



www.obartpumps.co.uk



CATALOGUE

No. 13 - 2022

LEADING BRANDS

TSURUMI

SPERONI

APP

HONDA

DRYMAX

FIT & FLOW

TREVITECH

ARVEN

FLOODMATE

CIMM

HYDROSACK

EZI-ACTION

FAES

UMBRA

LEADING BRANDS



QUALITY ASSURED



ISO 9001



ISO 14001



ISO 45001

QUALITY GUARANTEED



PROTECTING OUR ENVIRONMENT



Producer registration no: WEE/JH4179SR

Welcome to the Obart Pumps 2022 product catalogue.

This year we are celebrating 50 years of trading!

Formed in 1972, as builders merchants selling site materials, scaffolding and hand tools to builders from a mobile office and yard, in a back street of Peckham, South London. Our transformation into a large national distributor of pumps from a 20,000ft² warehouse in Maidstone, Kent, is remarkable in terms of product lines we now offer and the current scale.

After becoming distributors of pumps manufactured by Tsurumi of Japan in 1976, we grew steadily during the 1990s as small submersible pumps, which we were the first to introduce in the UK, became extremely popular among tool hire companies. From then we widened our range of Tsurumi pumps, which saw us grow significantly, then expanding more as we became the sole UK distributors for APP and Speroni.

On pages 192 and 193 you can read about more of our history, with pictures of some of our previous catalogues, old warehouses and Obart managing directors over the last 50 years.

In 2020 we became a subsidiary of Tsurumi (Europe) GmbH, so we are now a part of the global network of companies that belong to Tsurumi Manufacturing Company of Japan. With this, Tsurumi pumps are distributed exclusively by Obart Pumps in the UK and the complete range of European models are now included in this new catalogue.

We continue to be UK distributors for manufacturers APP and Speroni, and also Honda Power Equipment, Umbra and Faes. We now also have our own range of products: Obart Select pumps and accessories, DryMax diesel diaphragm and trash pumps, Fit & Flow hoses and pipe fittings.

We have a vast stock holding and virtually every item in this catalogue is in stock, or on very short lead times, with regular deliveries from all our key suppliers. We pride ourselves on our service and offer unrivalled technical expertise, which enables our customers to get the right pumping product at the right time. All our products are supported with good spare parts availability and technical information, which is available on all channels: digitally via email, on our web-site and on social media, over the phone and face-to-face.

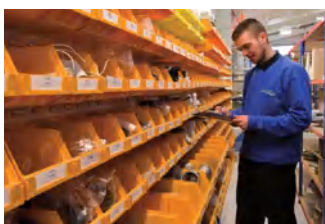
Prices are now in a separate price list, which accompanies this catalogue. If you require a copy, contact our sales department or download it from our website. Place your orders by email, telephone, fax, through our website or even come and see us in person. We look forward to hearing from you or seeing you.



20,000ft² warehouse



Excellent service and support



Spare parts backup



Servicing and repair



Large stock holding

INDEX

2C(M)	121	DRYMAX	152
50PNI2.....	17	DRYMAX-T	154
50TM.....	86	DSPK	72
80U2	60	EEM	161
ACUABIG	26	EGO 500	7
ACUASUB.....	24	ELBOWS (PUMP).....	85
ACUASYSTEM	27	ENM	106
ACUATEC.....	25	ENT.....	106
AKM60	110	EPT	155
AMAZON.....	159	EUROJET	23
ARVEX/S.....	14	EZI ACTION	164-165
B	64	FAMILY 12	6
BABY BATTERY	89	FL.....	105
BCV.....	58-59	FL-5	158
BER.....	82	FLANGES (PUMP).....	84
BRIO.....	97	FLOTATION DEVICES	54
BP	66-71	FLOATING TREE	20
BPS.....	9	FLOATS.....	54
BRAIDED HOSE.....	172	FLOAT SWITCHES.....	94-96
BRAIDED HOSE (PRESSURE).....	93	FLOODMATE.....	90
BUDGET HOSE	172	FSP	83
BY	66-71	GAM100.....	118
BZ	65	GC (32mm)	74
C	73	GC (2 1/2").....	83
CAM/25.....	142	GD-GDH.....	75
CAM/60.....	142	GP.....	78-79
CAM-X	144	GP90	109
CA(M) (CAST IRON).....	111	GPA90(S).....	143
CA(M) (DEEP SUCTION).....	115	GPN.....	52
CA(M) (STAINLESS STEEL)	114	GSD	53
CF(M).....	120	GSZ2	47
CM.....	117	GUIDE RAIL KITS	84-85
CMX.....	116	GUIDE HOOKS	85
CONGO	159	GY.....	78-79
CS	133-135	HD15.....	36
CTX.....	116	HG100.....	140
CX	136-138	HG(M)	139
CUTTY	76	HGMG.....	141
DCC	160	HIGH PRESSURE HOSE	172
DD	169	HP1000 BARREL PUMP	166
DIESEL FUEL METER.....	163	HS.....	32-33
DIESEL HOSES.....	163	HSD	34
DIESEL KITS.....	163	HYDROSACK.....	91
DIESEL NOZZLES	163	HYDROSLAKE	91
DINGHY BAILER.....	167	KF(M).....	107
DIVERTRON.....	22	KHL.....	37

INDEX

KP(M)	107	PRESSURE VESSELS	92
KPM50BR.....	108	PS	147
KRS	43	PU.....	57
KRS2.....	51	PVC PIPE	188
KRSU	46	PVC PIPE FITTINGS.....	188-190
KS1100/PA.....	113	PW.....	146
KS1101/22.....	143	RAM	123
KS801	112	RS32EA	8
KST	42	RSM.....	122
KTD	49	RVM.....	127
KTV	38	RSX(M)	124-126
KTV2.....	48	RYTON BARREL PUMP	166
KTVE.....	39	SA(M)	88
KTZ	40	SD45C	168
KTZE.....	41	SD60FM	168
LAYFLAT HOSE	171	SEDIMENT FILTER.....	157
LB	30-31	SFQ.....	87
LEVEL SWITCHES	96-97	SQ2-2	10
LH.....	45	SUCTION HOSE PVC.....	170
LH-W	44	SUCTION HOSE WIRE ARMoured....	170
LOGICFLOW	98-99	SV	55
LOGICPRESS.....	98-99	SWIMM	145
LOGICWALL.....	100-101	SXS	12
LSC1.4S.....	28-29	TD.....	151
MEMBRANES.....	92	TDS.....	154
MH	19	TE-H(A).....	149
MS BARREL PUMP	166	TED.....	155
MULTI 1	102	TE3-YD	150
MULTI 2	103	TEF	153
MULTIWAY FITTINGS	93	TEW.....	153
MVH-10A	21	TP	18
MIZAR/S.....	13	TRN	80
MIZAR	11	TRN-FL	81
MIZAR VOX.....	11	UP.....	62-63
NK	35	UT.....	56
NKZ	50	UY.....	62-63
OM4	15	UZ.....	61
PB.....	109	VALVES (QUICKSTOP).....	97
PE	108	VISCOMAT	162
PF	147	VS	128-132
PIPE FITTINGS	173-187	WATER METER.....	104
POLY	156	WB.....	148
POLY BARREL PUMP	166	WX.....	148
POMA4	16	WXM-A.....	119
PRESSURE GAUGES	93		
PRESSURE SWITCHES.....	93		

FAMILY 12

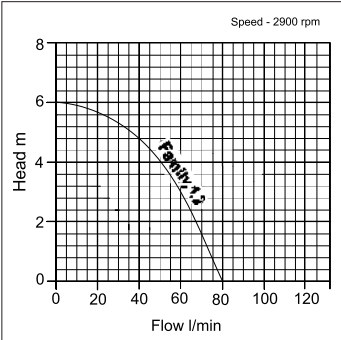
PUMPING DOWN TO 1mm



The **FAMILY 12** has a top discharge design for partial immersion applications and where space is limited. A residue adaptor is supplied as standard, which enables the pumping of water down to 1mm. For use in domestic and light industrial applications, but not recommended for ponds or water features. Available as manual operation only.

Fluid: Clean water | Temperature: 0 - 40°C

Application: Sprinkling | Horticulture | Water butts | Tanks | Transfer



FAMILY 12	Impeller	Shaft seal	Level switch	
	Vortex	Single mechanical	Manual control	

Pump	Outer cover & handle	Pump body & outlet	Pump casing	Impeller
	Resin AAS	Resin AAS	Resin AAS	Resin AAS
	Shaft	Shaft seal	Lubrication	Strainer
	S/S 420	Silicon carbide	Oil	Resin AAS

Motor	Poles, protection	Insulation	Thermal protection	Starting
	2 pole, IP68	Class E	Integral	Internal capacitor
	Motor casing	Power cable (10 mtr)		
	Aluminium	Rubber		



FAMILY 12

item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	dia x h (mm)	dry weight (kgs)
10-10-1262	FAMILY 12	M	15 & 25	0.10	230	80	6	6	Ø157x224	3.4

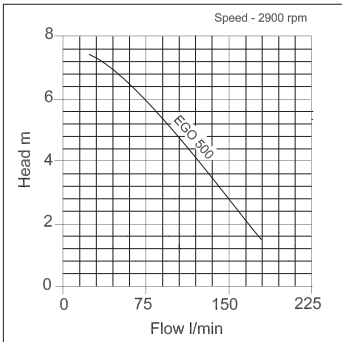


EGO 500
DUAL CONTROL SWITCH

The **EGO 500** has a top discharge design and a compact float switch for use in areas with limited space, which may be also shallow and/or contain low levels of water. It features dual control, which allows the float switch to be switched to “on” or “off” by the user, to enable automatic or manual level control. In the manual position it can pump water levels down to 10mm, from a priming depth of only 30mm. For use in domestic and light industrial applications, but not recommended for ponds or water features.

Fluid: Clean water | Temperature: 0 - 35°C

Application: Industry | Domestic | Lift shafts | Basements | Tanks | Shallow sumps



EGO 500	Impeller	Shaft seal	Level switch (automatic)
	Open	Lip seal	Integral float

Pump	Outer cover & handle	Pump casing	Impeller
	PPS thermoplastic	PPS thermoplastic	PPS thermoplastic
	Suction Cover	Shaft	Shaft seal
	PPS thermoplastic	S/S 304	NBR
	Lubrication	Strainer stand	Level switch
	Oil	PPS thermoplastic	PPS thermoplastic

Motor	Poles, protection	Insulation	Thermal protection
	2 pole, IP68	Class F	Integral
	Starting	Motor casing	Power cable (10 mtr)
	Internal capacitor	S/S 304	Rubber



EGO 500



'On' and 'Off'
Switch

item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	on level (mm)	off level (mm)	dry weight (kgs)
12-10-1008	EGO 500	Both	25	0.47	230	170	7.5	9	168x206x280	130	70	3.6

RS32EA

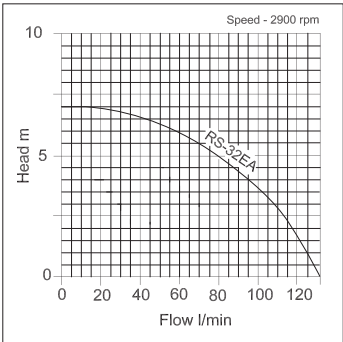
SHALLOW WATER CONTROL



The **RS32EA** is a compact, automatic submersible pump with a miniature float-switch designed to control very shallow water levels and in sumps with limited space. With the added feature of a narrow operating range (on at 50mm - off at 25mm) it is particularly suited to flat or awkward areas where there is not a sump e.g. lift shafts, concrete channels, pre-formed vessels etc. It is not recommended for ponds and water features.

Fluid: Clean water | Temperature: 0 - 40°C

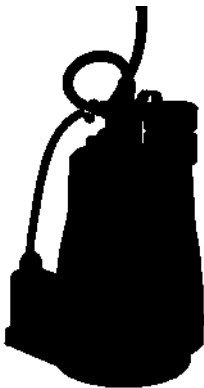
Application: Industry | Domestic | Lift shafts | Basements | Tanks | Shallow sumps



RS32EA	Impeller	Shaft seal	Level switch (automatic)
	Open	Lip seal	Integral float

Pump	Handle	Outlet	NRV	Outer cover
	S/S 304	Polypropylene & glass fibre	NBR	Polypropylene & glass fibre
	Pump casing	Impeller	Strainer	Shaft
	Polypropylene & glass fibre	Nylon & glass fibre	Polypropylene & glass fibre	S/S 410
	Shaft Seal	Level switch		
	NBR	Polypropylene & glass fibre		

Motor	Poles, protection	Enclosure	Insulation	Thermal protection
	2 pole, IP68	Oil	Class B	Integral
	Starting	Motor cover	Power cable (10mtr)	
	Capacitor	Aluminium	Rubber	



RS32EA

item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	on level (mm)	off level (mm)	dry weight (kgs)
15-10-1026	RS32EA	A	32	0.13	230	130	7.5	9	160x170x295	50	25	3.9



BPS
LIGHT DUTY

The **BPS** series have a water cooled, top discharge design for applications where space is limited, operating while partially submerged or during short periods of dry running. Available as manual or with a pendant float switch, for automatic operation. The **BPS-100A(V)** automatic model incorporates a tube type float switch for narrow sump applications. Manual versions of models **BPS-80** and **BPS-100** are fitted with residue strainers which enables the pumping of water down to 3mm. For use in domestic, trade and industrial applications, but not recommended for ponds or water features.

Fluid: Clean & dirty water | Temperature: 0 - 40°C

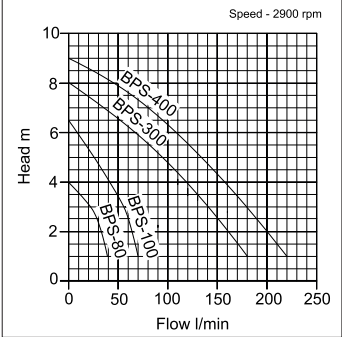
Application: Industry | Domestic | Sumps | Tanks | Water cooling



BPS	Impeller	Shaft seal	Level switch (automatic)
	Open	Single mechanical	Pendant & tube (optional)

Pump	Outlet	Outer cover & handle	Pump casing
	Polypropylene	Polypropylene & glass fibre	Polypropylene & glass fibre
	Impeller	Shaft	Shaft seal
	Nylon & glass fibre	S/S 410	Carbon ceramic & NBR
	Strainer	Level switch ("A" pendant)	Level switch ("V" tube)
	Polypropylene & glass fibre	Polypropylene & rubber	Polypropylene & PC

Motor	Poles, protection	Enclosure	Insulation	Thermal protection
	2 pole, IP68	Oil	Class B	Integral
	Starting	Motor cover	Power cable (10mtr) & switch cable	
	Internal capacitor	Aluminium	Rubber	



BPS-80A



BPS-100



BPS-100V



BPS-400A

item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	on level * (mm)	off level * (mm)	dry weight (kgs)
15-10-1096	BPS-80	M	19	0.08	230	40	4	2	136x136x255	-	-	1.95
15-10-1073	BPS-80A	A	19	0.08	230	40	4	2	136x136x255	290	90	2.20
15-10-1008	BPS-100	M	19 & 25	0.10	110	70	6.5	3	134x155x250	-	-	2.50
15-10-1095	BPS-100	M	19 & 25	0.10	230	70	6.5	3	134x155x250	-	-	2.50
15-10-1076	BPS-100A	A	19 & 25	0.10	110	70	6.5	3	134x155x250	300	150	2.70
15-10-1105	BPS-100A	A	19 & 25	0.10	230	70	6.5	3	134x155x250	300	150	2.70
15-10-1019	BPS-100V	A(V)	19 & 25	0.10	230	70	6.5	3	134x225x250	190	90	2.90
15-10-1056	BPS-300A	A	40	0.30	230	180	8	5	160x200x365	450	210	6.50
15-10-1047	BPS-400	M	50	0.40	230	220	9	5	160x200x365	-	-	7.35
15-10-1005	BPS-400A	A	50	0.40	110	220	9	5	160x200x365	450	210	7.50
15-10-1054	BPS-400A	A	50	0.40	230	220	9	5	160x200x365	450	210	7.50

* APPROXIMATE LIQUID LEVEL

MIZAR • MIZAR VOX

304 STAINLESS STEEL

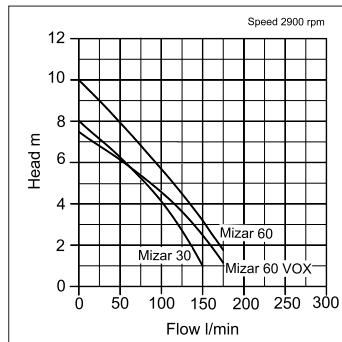


The **Mizar** series, in 304 stainless steel, have a water cooled, top discharge design for applications where space is limited, operating while partially submerged or during short periods of dry running. For environment protection, a vegetable oil based biodegradable hydraulic fluid is used for the lubrication oil. Available as manual or with a pendant float switch, for automatic operation. For use in domestic, trade and industrial applications, but not recommended for ponds.

** The selection of a pump must initially meet the basic corrosion resistant standards, however additional mechanical or physical properties in the duty may also need to be considered to achieve the overall service performance required. Please contact our sales department for guidance before selection.*

Fluid: Clean water | Dirty water & large soft solids (VOX) | Mild corrosive liquids * | Temp: 0 - 35°C

Application: Industry | Domestic | Processing | Sumps | Septic tanks | Final effluent



Mizar & Mizar (VOX)	Impeller	Shaft seal	Level switch (automatic)
	Open	Single mechanical	Pendant float (optional)

Pump	Handle	Outer cover & outlet	Seal holder	Impeller (Mizar)
	Technopolymer	S/S 304	S/S 304	Technopolymer
	Impeller (Mizar VOX)	Suction cover	Shaft	Shaft seal
	S/S 304	S/S 304	S/S 303	Silicon carbide & NBR
	Lubrication	Strainer	Level switch	
	Biodegradable oil	S/S 304	Polypropylene	

Motor	Poles, protection	Insulation	Thermal protection	Starting
	2 pole, IP68	Class F	Integral	Internal capacitor
	Motor bracket	Motor casing	Power cable (10mtr) & switch cable	
	Technopolymer	S/S 304	Rubber	



Mizar VOX auto



Mizar auto

item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	dia x h (mm)	on level * (mm)	off level * (mm)	dry weight (kgs)
24-10-1017	Mizar 30	M	32	0.25	110	150	8	10	Ø154x234	-	-	4.9
24-10-1010	Mizar 30	M	32	0.25	230	150	8	10	Ø154x234	-	-	4.9
24-10-1004	Mizar 30	A	32	0.25	110	150	8	10	Ø154x234	220	90	5.2
24-10-1012	Mizar 30	A	32	0.25	230	150	8	10	Ø154x234	220	90	5.2
24-10-1013	Mizar 60	M	32	0.45	110	175	10	10	Ø154x234	-	-	5.6
24-10-1006	Mizar 60	M	32	0.45	230	175	10	10	Ø154x234	-	-	5.6
24-10-1016	Mizar 60	A	32	0.45	110	175	10	10	Ø154x234	220	90	5.8
24-10-1018	Mizar 60	A	32	0.45	230	175	10	10	Ø154x234	220	90	5.8
24-10-1015	Mizar VOX	M	32	0.45	110	175	7	20	Ø154x264	-	-	5.9
24-10-1011	Mizar VOX	M	32	0.45	230	175	7	20	Ø154x264	-	-	5.9
24-10-1008	Mizar VOX	A	32	0.45	110	175	7	20	Ø154x264	290	125	6.1
24-10-1001	Mizar VOX	A	32	0.45	230	175	7	20	Ø154x264	290	125	6.1

* APPROXIMATE LIQUID LEVEL

SQ2-2

304 STAINLESS STEEL

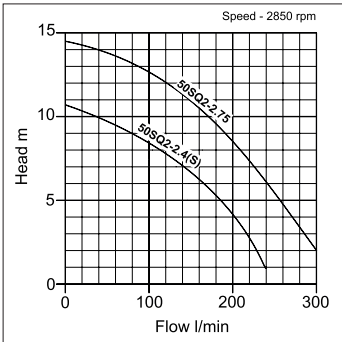
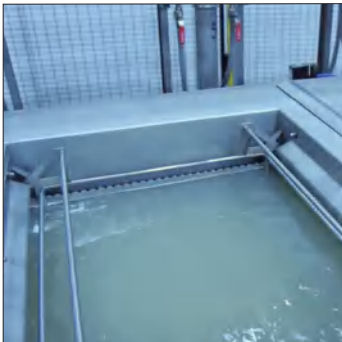


The **SQ2-2** series is constructed in 304 and 316 stainless steel and resin. Models have a water cooled, top discharge design for applications where space is limited, operating while partially submerged or during short periods of dry running. Liquid paraffin is used for the lubrication oil, which enables use in food processing and aquaculture, but they are suitable for use in applications where chemical and corrosion resistance is required at a higher head and greater volume than basic stainless-steel pumps. For use in domestic, trade and industrial applications, but not recommended for ponds or water features.

** The selection of a pump must initially meet the basic corrosion resistant standards, however additional mechanical or physical properties in the duty may also need to be considered to achieve the overall service performance required. Please contact our sales department for guidance before selection.*

Fluid: Clean & dirty water | Mild corrosive liquids * | Temperature: 0 - 40°C

Application: Industry | Food processing | Chemicals | Septic tanks | Final effluent



SQ2-2	Impeller	Shaft seal	Level switch
	Vortex	Double mechanical	Manual control

Pump	Handle	Outlet	Outer cover	Pump casing (upper)
	ABS	ABS	S/S 316	NBR
	Oil casing	Impeller	Pump casing (lower)	Shaft
	Polyphenylene	Polyphenylene	S/S 304	S/S 304
	Shaft seal	Lubrication	Strainer	
	Silicon carbide	Paraffin oil	S/S 304	

Motor	Poles, protection	Insulation	Thermal protection	Starting 1ph/3ph
	2 pole, IP68	Class E	Integral	Internal capacitor/D.O.L
	Motor casing	Head cover	Power cable (10mtr)	
	S/S 304	Polyphenylene	Rubber	



50SQ2-2.4

item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	dia x h (mm)	dry weight (kgs)
10-10-1263	50SQ2-2.4S	M	50	0.40	230	240	10.5	6	Ø180x366	10.5
10-10-1278	50SQ2-2.4	M	50	0.40	400	240	10.5	6	Ø180x366	10.5
10-10-1291	50SQ2-2.75	M	50	0.75	400	300	14.5	6	Ø180x388	12.0

SXS

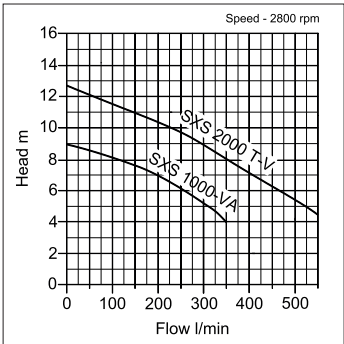
304 STAINLESS STEEL



SXS pumps, in 304 stainless steel and NBR, have a horizontal outlet and a wide pump casing for pumping waste containing fibrous material and suspended soft solids. With a removable stand, female BSP outlet and large free passage these pumps are suitable for drainage and sewage applications. They are not recommended for ponds or water features.

Fluid: Water, containing fibrous & suspended material | Temperature: 0 - 35°C

Application: Industry | Domestic | Processing | Septic tanks | Sewage



SXS	Impeller	Shaft seal	Level switch (automatic)
	Vortex	Single mechanical	Pendant (VA only)

Pump	Handle	Outlet	Pump casing	Impeller
	S/S 304 & technopolymer	S/S 304	S/S 304	S/S 304
	Suction cover	Shaft	Shaft seal	Lubrication
	S/S 304	S/S 304	Silicon carbide & NBR	Oil
	Stand	Level Switch		
	S/S 304	Polypropylene		

Motor	Poles, protection	Insulation	Thermal protection	Starting 1ph/3ph
	2 pole, IP68	Class F	Integral	Internal capacitor/D.O.L
	Motor casing		Power cable (10mtr) & switch cable	
	S/S 304		Rubber	



SXS 1000 auto



SXS 1000

item code	model	Manual or Auto	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	on level * (mm)	off level * (mm)	dry weight (kgs)
19-10-1003	SXS 1000-VA	A	2"	0.75	230	350	9	50	165x198x486	550	230	10.9
19-10-1001	SXS 2000 T-V	M	2"	1.5	400	550	12.5	50	165x198x486	-	-	12.6

* APPROXIMATE LIQUID LEVEL



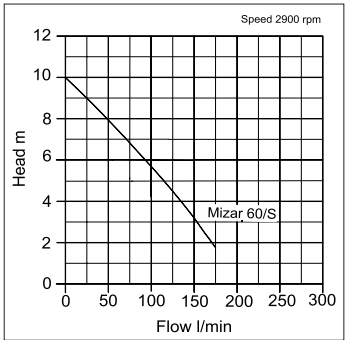
MIZAR/S
316 STAINLESS STEEL

Mizar 60/S pumps, in 316 stainless steel and Viton, have a water cooled, top discharge design for applications where space is limited, operating while partially submerged or during short periods of dry running. For environment protection, a vegetable oil based biodegradable hydraulic fluid is used for the lubrication oil. Available as manual or with a pendant float switch, for automatic operation. For use in applications where increased chemical and corrosion resistance over 304 stainless steel is required. They are not recommended for ponds or water features.

** The selection of a pump must initially meet the basic corrosion resistant standards, however additional mechanical or physical properties in the duty may also need to be considered to achieve the overall service performance required. Please contact our sales department for guidance before selection.*

Fluid: Clean & dirty water | Aggressive liquids* | Temperature: 0 - 35°C

Application: Industry | Processing | Chemicals | Septic tanks | Final effluent



Mizar/S	Impeller	Shaft seal	Level switch (automatic)
	Open	Double mechanical	Pendant float (optional)

Pump	Handle	Outer cover & outlet	Seal holder	Impeller
	Technopolymer	S/S 316	S/S 316	Technopolymer
	Suction cover	Shaft	Shaft seal	Lubrication
	S/S 316	S/S 316	Silicon carbide & Viton	Biodegradable oil
	Strainer	Level Switch		
	S/S 316	Polypropylene		

Motor	Poles, protection	Insulation	Thermal protection	Starting
	2 pole, IP68	Class F	Integral	Internal capacitor
	Motor casing	Head cover	Power cable (10mtr) & switch cable	
	Technopolymer	S/S 304	PVC	



Mizar 60/S



Mizar 60/S auto

item code	model	Manual or Auto	outlet (FBSP)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	dia x h (mm)	on level * (mm)	off level * (mm)	dry weight (kgs)
24-10-1003	Mizar 60/S	M	1¼"	0.45	110	175	10	10	Ø154x234	-	-	5.6
24-10-1005	Mizar 60/S	M	1¼"	0.45	230	175	10	10	Ø154x234	-	-	5.8
24-10-1009	Mizar 60/S	A	1¼"	0.45	110	175	10	10	Ø154x234	220	90	5.6
24-10-1007	Mizar 60/S	A	1¼"	0.45	230	175	10	10	Ø154x234	220	90	5.8

* APPROXIMATE LIQUID LEVEL

ARVEX/S

316 STAINLESS STEEL

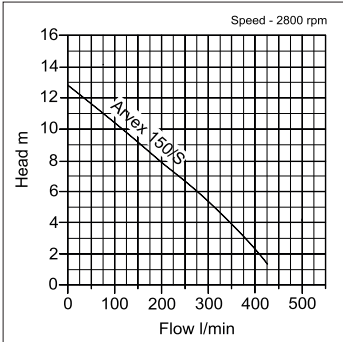


Arvex 150/S pumps, in 316 stainless steel and Viton, have a horizontal outlet and a wide pump casing for pumping waste containing fibrous material and suspended soft solids. For environment protection, a vegetable oil based biodegradable hydraulic fluid is used for the lubrication oil. Available as manual or with a pendant float switch, for automatic operation (230v only). For use in applications where increased chemical and corrosion resistance over 304 stainless steel is required. They are not recommended for ponds or water features.

** The selection of a pump must initially meet the basic corrosion resistant standards, however additional mechanical or physical properties in the duty may also need to be considered to achieve the overall service performance required. Please contact our sales department for guidance before selection.*

Fluid: Water, containing fibrous & suspended material | Aggressive liquids * | Temp: 0 - 35°C

Application: Industry | Processing | Chemicals | Septic tanks | Sewage



Arvex/S	Impeller	Shaft seal	Level switch (automatic)
	Open	Double mechanical	Pendant (optional)

Pump	Handle	Top cover	Pump casing & outlet
	S/S 316 & PVC	S/S 316	S/S 316
	Impeller	Shaft	Shaft seal
	S/S 316	S/S 316	Silicon carbide & Viton
	Lubrication	Strainer stand	Level switch
	Biogradable oil	S/S 316	Polypropylene

Motor	Poles, protection	Insulation	Thermal protection	Starting
	2 pole, IP68	Class F	Integral	Internal capacitor
	Motor bracket	Motor casing	Power cable (10mtr) & switch cable	
	S/S 304	S/S 316	PVC	



Arvex 150/S auto



Arvex 150/S

item code	model	Manual or Auto	outlet (FBSP)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	on level * (mm)	off level * (mm)	dry weight (kgs)
24-10-1014	Arvex 150/S	M	2"	1.1	230	425	13	50	214x180x358	-	-	12.2
24-10-1002	Arvex 150/S	M	2"	1.1	400	425	13	50	214x180x358	-	-	12.2
24-10-1000	Arvex 150/S	A	2"	1.1	230	425	13	50	214x180x358	440	180	12.4

* APPROXIMATE LIQUID LEVEL



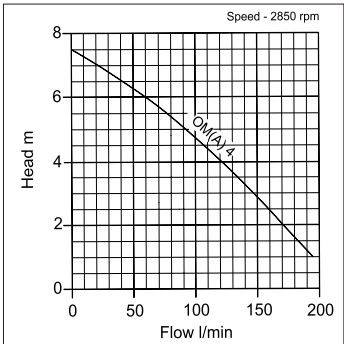
OM(A)4
COMPACT FLOAT

The **OM(A)4** pumps are light, compact, have energy efficient motors and integral anti-airlock valves. Available as manual or with a tube type float switch, for automatic operation in areas with limited space or where precise level control is required. Liquid paraffin is used for the lubrication oil, which enables use in food processing and aquaculture. They are not recommended for ponds or water features.

Fluid: Clean & dirty water | Temperature: 0 - 40°C

Application: Industry | Domestic | Utilities | Basements | Processing | Sumps

Special models: "Domestic": supplied with a hose tail, a hose clip and a 3 pin plug



OM(A)4	Impeller	Shaft seal	Level switch (automatic)
	Vortex	Double mechanical	Tube float (optional)

Pump	Top cover & handle	Pump casing & outlet	Impeller
	GFRP	GFRP	GFRP
	Shaft	Shaft seal	Lubrication
	S/S 410S	Silicon carbide	Paraffin oil
	Strainer	Level switch	
	GFRP	GFRP & S/S 304	

Motor	Poles, protection	Insulation	Thermal protection
	2 pole, IP68	Class E	Integral
	Starting	Motor casing	Power cable (10mtr)
	Internal capacitor	S/S 304	Rubber



OMA4
(domestic)



OM4
(domestic)



OMA4
(industrial)

item code	model	Manual or Auto	outlet (BSPF/mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	on level (mm)	off level (mm)	dry weight (kgs)
10-10-1201	OM4 industrial	M	1¼"	0.15	110	195	7.5	10	140x203x316	-	-	5.9
10-10-1051	OM4 industrial	M	1¼"	0.15	230	195	7.5	10	140x203x316	-	-	5.9
10-10-1173	OMA4 industrial	A	1¼"	0.15	110	195	7.5	10	177x203x319	251	81	6.1
10-10-1202	OMA4 industrial	A	1¼"	0.15	230	195	7.5	10	177x203x319	251	81	6.1
10-10-1183	OM4 domestic	M	32	0.15	230	195	7.5	10	140x203x316	-	-	5.9
10-10-1241	OMA4 domestic	A	32	0.15	230	195	7.5	10	177x203x319	251	81	6.1

POMA4
COMPACT FLOAT

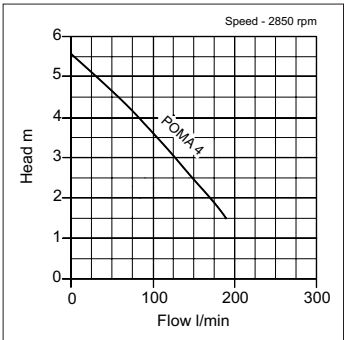


The **POMA4** pump is light, compact, has an energy efficient motor and integral anti-airlock valve. It can pump waste containing fibrous material and suspended soft solids. With a tube type float switch, for automatic operation in areas with limited space or where precise level control is required. Liquid paraffin is used for the lubrication oil, which enables use in food processing and aquaculture. It is not recommended for ponds or water features.

Fluid: Clean and dirty water | Temperature: 0 - 40°C

Application: Industry | Domestic | Utilities | Basements | Processing | Sumps

Special models: "Domestic": supplied with a hose tail, a hose clip and a 3 pin plug



POMA	Impeller	Shaft seal	Level switch (automatic)
	Vortex	Double mechanical	Tube float (optional)

Pump	Top cover & handle	Pump casing & outlet	Impeller
	GFRP	GFRP	GFRP
	Shaft	Shaft seal	Lubrication
	S/S 410S	Silicon carbide	Paraffin oil
	Strainer	Level switch	
	GFRP	GFRP & S/S 304	

Motor	Poles, protection	Insulation	Thermal protection
	2 pole, IP68	Class E	Integral
	Starting	Motor casing	Power cable (10mtr)
	Internal capacitor	S/S 304	Rubber



POMA (domestic)



POMA (industrial)

item code	model	Manual or Auto	outlet (BSPF/mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	on level (mm)	off level (mm)	dry weight (kgs)
10-10-1257	POMA4 industrial	A	2"	0.15	110	190	5.7	35	183x225x354	285	100	6.6
10-10-1072	POMA4 industrial	A	2"	0.15	230	190	5.7	35	183x225x354	285	100	6.6
10-10-1179	POMA4 domestic	A	50	0.15	230	190	5.7	35	183x225x354	285	100	6.6

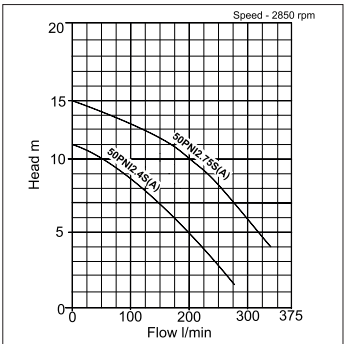


50PNI2
ADJUSTABLE FLOAT

The 50PNI2 series are light and compact, automatic pumps with energy efficient motors and integral anti-airlock valves. They feature a dual control float-switch which enables manual and automatic operation. This switch is also adjustable to enable individual setting of on and off levels. The floats are bell shaped and small, which make these pumps suited to applications where a sump is narrow, that require precise level control or where a traditional pendant type float's operation could be fouled. Liquid paraffin is used for the lubrication oil, which enables use in food processing and aquaculture. An auto-coupling set is available as an optional extra to allow the fitting of guide rails on each model. (See page 85). They are not recommended for ponds or water features.

Fluid: Clean and dirty water | Temperature: 0 - 40°C

Application: Industry | Domestic | Utilities | Basements | Processing | Sumps



50PNI2	Impeller	Shaft seal	Level switch (automatic)	
	Vortex	Double mechanical	Bell float	

Pump	Top cover & handle	Pump casing & outlet	Impeller	Shaft
	GFRP	GFRP	GFRP	S/S 403
	Shaft seal	Lubrication	Strainer stand	Level switch
	Silicon carbide	Paraffin oil	ABS	GFRP

Motor	Poles, protection	Insulation	Thermal protection
	2 pole, IP68	Class E	Integral
	Starting	Motor casing	Power cable (10mtr)
	Internal capacitor	S/S 304	Rubber



50PNI2.75 Auto

item code	model	Manual or Auto	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	on level (mm)	off level (mm)	dry weight (kgs)
10-10-1292	50PNI2.45(A)	A	2"	0.40	230	280	12	10	246x241x380	325	110	7.4
10-10-1300	50PNI2.75S(A)	A	2"	0.75	230	340	15.5	10	246x241x380	345	110	9.5
10-85-1017	Optional item: auto-coupling TOK4-P (motor sizes 0.40kW to 0.75kW)											

SUBMERSIBLE POND & WATER FEATURES

TP

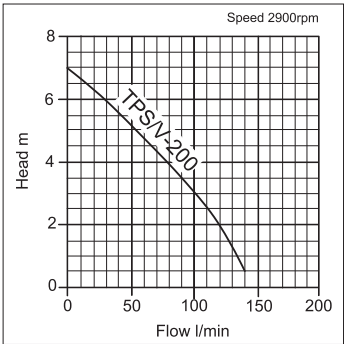
24 HOUR RUNNING



The **TP** series are designed for continuous operation in water features and fish-ponds, but also for sump and transfer applications. Available as manual or with a pendant float switch, for automatic operation. All models are lubricated and cooled by non-toxic oil. Available in two formats: **TPS** will handle fish waste, dead plants and other suspended solids up to 5mm, while **TPV** can handle up to 19mm.

Fluid: Clean & dirty water | Pond water | Water with large soft solids (TPV) | Temperature: 0 - 40°C

Application: Ponds | Water features | Fountains | Water walls | Sumps



TP	Impeller	Shaft seal	Level switch (automatic)
	Open	Single mechanical & lip seal	Pendant (optional)

Pump	Handle	Pump casing & outlet	Impeller	Shaft
	Polypropylene & glass fibre	Polypropylene & glass fibre	Nylon & glass fibre	S/S 316
	Shaft seal	Strainer	Level Switch	
	Carbon ceramic & NBR	Polypropylene & glass fibre	Polypropylene	

Motor	Poles, protection	Enclosure	Insulation	Thermal protection
	2 pole, IP68	Non toxic oil	Class B	Integral
	Starting	Motor casing	Power cable (10 mtr) & switch cable	
	Internal capacitor	Polypropylene & glass fibre	Rubber	



TPV-200SA



TPS-200S

item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	on level * (mm)	off level * (mm)	dry weight (kgs)
15-10-1091	TPS-200S	M	32	0.2	230	140	7	5	146x170x330	-	-	3.9
15-10-1009	TPS-200SA	A	32	0.2	230	140	7	5	146x170x330	430	190	4.1
15-10-1092	TPV-200S	M	32	0.2	230	140	7	19	146x170x330	-	-	3.9
15-10-1086	TPV-200SA	A	32	0.2	230	140	7	19	146x170x330	430	190	4.1

* APPROXIMATE LIQUID LEVEL

MH

24 HOUR RUNNING



The **MH** pumps are designed for circulation in ponds and lakes, feeding waterfalls and creating water features. All models are lubricated and cooled by non-toxic oil and can deal easily with fish waste, vegetation, soft solids etc up to a size of 6mm. They can be fitted horizontally or vertically. A hose connector is supplied as standard, but the female BSP outlet enables a simple connection for fountain attachments, pipe fittings and gate valves. Optional extras include a choice of three fountain attachments, to suit the **MH-150** and **MH-250**, and a telescopic nozzle extension pipe (extending from 278mm to 508mm), enable correct positioning above the water level. A gate valve is recommended for adjusting the flow to create the perfect water feature.

Fluid: Water in ponds and lakes | Temperature: 0 - 40°C

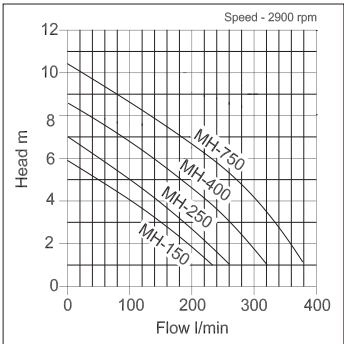
Application: Ponds | Water features | Fountains | Water walls | Special effects



MH	Impeller	Shaft seal	Level switch
	Vortex	Double mechanical	Manual control

Pump	Top cover & handle	Pump casing & outlet	Bearing housing	Impeller
	Nylon & glass fibre	Nylon & glass fibre	Nylon & glass fibre	Nylon & glass fibre
	Shaft	Shaft seal	Strainer stand	
	S/S 410	Silicon carbide/CE & NBR	Nylon & glass fibre	

Motor	Poles, protection	Enclosure	Insulation	Thermal protection
	2 pole, IP68	Non toxic oil	Class B	Integral
	Starting	Motor casing	Power cable (10 mtr)	
	Internal capacitor	S/S 304	Rubber	

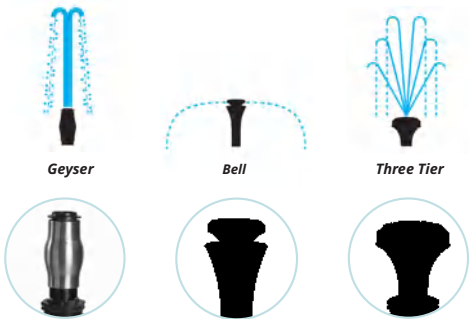


MH-250



MH-400

item code	fountain head/type (suitable for MH-150 & MH-250)	net weight (kgs)
12-85-1048	Bell	0.13
12-85-1006	Three tier	0.11
12-85-1024	Geyser	0.45
12-85-1050	Extension tube	0.11
26-85-1002	1" gate valve c/w reducing nipple	0.4



item code	model	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
15-10-1074	MH-150	50	0.15	230	230	6	162x175x376	6.90
15-10-1004	MH-250	50	0.25	230	260	7	162x175x376	7.30
15-10-1000	MH-400	50	0.4	230	320	8.5	162x175x396	8.55
15-10-1012	MH-750	50	0.75	230	380	10.5	162x175x411	10.15

FLOATING TREE

24 HOUR RUNNING



Floating Tree creates a stunning water display in any large pond or lake. Powered by a powerful submersible pump, coupled to the underside of three ballast tanks, the clearer water near the surface is pumped through an integral nozzle, creating a decorative fountain of up to 150cm high and 450cm wide. A minimum clear water depth of 60cm above damaging mud, silt, sediment and debris should maintained during use, as it floats on the surface. It is simple to assemble, install and has three anchoring points.

Fluid: Water in ponds & lakes | Temperature: 0 - 40°C

Application: Ponds | Water features | Oxygenation | Decorative displays | Elegant centre-pieces

Floating Tree	Ballast tanks	Nozzle	Pump bracket
	Polypropylene & glass fibre	Polypropylene & glass fibre	Polypropylene & glass fibre

Pump	Impeller	Shaft seal	Outlet
	Open	Single Mechanical	Polypropylene
	Outer cover & handle	Pump casing	Impeller
	Polypropylene & glass fibre	Polypropylene & glass fibre	Nylon & glass fibre
	Shaft	Shaft seal	Strainer
	S/S 410	Silicon carbide & Viton	Polypropylene & glass fibre

Motor	Poles, protection	Enclosure	Insulation
	2 pole, IP68	Oil	Class B
	Thermal protection	Starting	Motor cover
	Integral	Internal capacitor	Aluminium



Integral nozzle



Floating Tree

item code	model	kW	volt	dia x h (mm)	fountain height (cm)	fountain width (cm)	dry weight (kgs)
15-10-1034	Floating Tree	0.45	230	Ø750 x 510	50-150	100-450	11.4

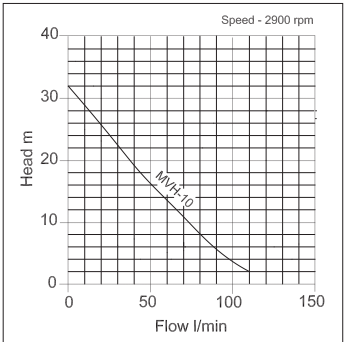


MVH-10A
HIGH PRESSURE

The **MVH-10A** is a multi-stage pump with a level control float switch for high pressure pumping. It has an integral starting capacitor. It is lubricated and cooled by non-toxic oil. It is not recommended for operation against the closed valve of a tap or a nozzle, nor suitable for ponds or water features.

Fluid: Clean water | Maximum depth of submersion: 8 mtr | Temperature: 0 - 40°C

Application: Water butts | Industry | Irrigation | Potable water | Spraying | Rainwater harvesting



MVH-10A	Impellers	Shaft seal	Level switch (automatic)
	Closed	Double mechanical	Pendant

Pump	Top cover & handle	Pump casing & outlet	Bearing housing	Impellers
	Nylon & glass fibre	Nylon & glass fibre	Nylon & glass fibre	Nylon & glass fibre
	Diffusers	Shaft	Shaft seal	Strainer
	Nylon & glass fibre	S/S 410	Silicon carbide/CE & NBR	S/S 304
	Bottom plate	Level switch		
	Nylon & glass fibre	Polypropylene		

Motor	Poles, protection	Enclosure	Insulation	Thermal protection
	2 pole, IP68	Non toxic oil	Class B	Integral
	Starting	Motor cover	Power cable (10mtr) & switch cable	
	Internal capacitor	S/S 304	Rubber	



MVH-10A

item code	model	Manual or Auto	outlet (FBSP)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	well size (mm)	dry weight (kgs)
15-10-1038	MVH-10A	A	1"	0.55	230	110	32	162x171x461	435+	9.3

DIVERTRON

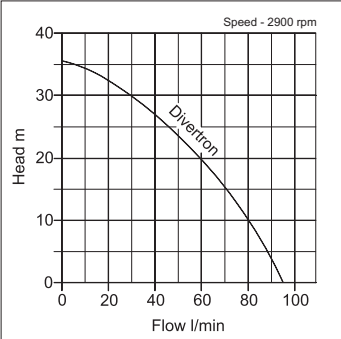
ELECTRONIC PRESSURE CONTROL



Divertron is a compact, multi-stage pump with integral electronic flow control for high pressure, high head pumping. With an internal starting capacitor and a non-return valve, it is programmed to automatically start and stop when a valve or tap is opened or closed and it will stop in the event of dry running. It is not recommended for ponds or water features.

Fluid: Clean water | Maximum depth of submersion: 12 mtr | Temperature: 0 - 40°C

Application: Rainwater harvesting | Industry | Irrigation | Agriculture | Spraying | Dust suppression



DIVERTRON	Impellers	Shaft seal	Level switch (automatic)
	Closed	Single mechanical	Electronic

Pump	Outlet	Top cover	Pump casing
	S/S 304	Polypropylene & glass fibre	Polypropylene & glass fibre
	Impellers	Diffusers	Shaft seal
	Noryl	Noryl	Carbon ceramic & NBR
	Lubrication	Strainer	Bottom plate
	Oil	S/S 304	Polypropylene & glass fibre

Motor	Poles, protection	Insulation	Thermal protection
	2 pole, IP68	Class B	Integral
	Starting	Motor casing	Power cable (15mtr)
	Internal capacitor	Polypropylene & glass fibre	Rubber



Divertron

item code	model	Manual or Auto	outlet (FBSP)	kW	volt	flow (l/min)	head (mtrs)	dia x h (mm)	dry weight (kgs)
22-10-1018	Divertron	A	1"	0.9	230	95	36	Ø150x450	11.0



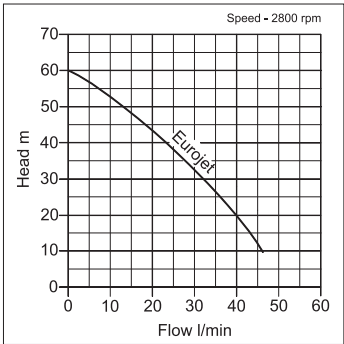
EUROJET
4" BOREHOLES

The **Eurojet** is a multi-stage pump for high pressure, high head pumping in domestic, agricultural and industrial applications, including potable water. It is lubricated and cooled by non-toxic oil. Available as manual or with a pendant float switch, for automatic operation, flow on the manual version can be controlled by including a pressure controller in the delivery line (see pages 98 and 99). Both models have integral starting capacitors.

A stainless steel sand filter, with a mesh size of 80 microns, is available as an optional extra to prevent damage to the pump from abrasive solids.

Fluid: Clean water, max 60 g/m³ particles | Maximum depth of submersion: 17 mtr | Temp: 0 - 35°C

Application: Garden | Industry | Agriculture | Irrigation | Potable water | Spraying



EUROJET	Impellers	Shaft seal	Level switch (automatic)
	Closed	Single mechanical	Pendant (optional)

Pump	Handle	Pump body & outlet	Impellers
	S/S 304	S/S 304	Noryl
	Diffusers	Shaft	Shaft seal
	Noryl	S/S 420	Carbon ceramic & NBR
	Lubrication	Strainer	Level switch
	Non toxic oil	S/S 304	Polypropylene

Motor	Poles, protection	Casing	Insulation	Thermal protection
	2 pole, IP68	S/S 304	Class F	Integral
	Starting	Motor cover	Power cable (20mtr) & switch cable	
	Internal capacitor	S/S 304	Rubber	



Eurojet
auto



Eurojet
manual



Optional
sand filter

item code	model	Manual or Auto	outlet (FBSP)	kW	volt	flow (l/min)	head (mtrs)	dia x h (mm)	bore hole (size)	dry weight (kgs)
22-10-1039	Eurojet	M	1"	0.55	230	46	60	Ø99 x 560	4"	8.0
22-10-1008	Eurojet	A	1"	0.55	230	46	60	Ø99 x 560	4"	8.3
22-85-1000	Optional extra: sand filter									

ACUASUB
4" BOREHOLES

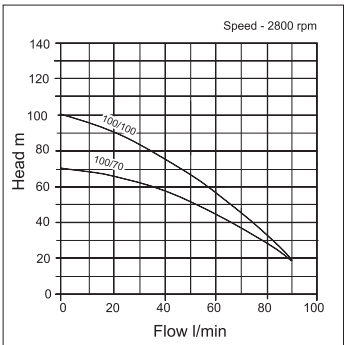
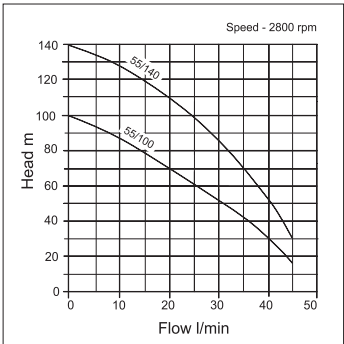


The **Acuasub** series are multi-stage pumps for high pressure, high head pumping in agricultural and industrial applications. They are lubricated and cooled by non-toxic oil. Suitable for pumping potable water and water containing up to 60 g/m³ of suspended solids. Supplied with an external, inline starter and thermal protection box. Flow can be controlled by including a pressure switch in the delivery line (see pages 98 and 99).

A stainless steel sand filter, with a mesh size of 80 microns, is available as an optional extra to prevent damage to the pump from abrasive solids.

Fluid: Clean water, max 60 g/m³ particles | Maximum depth of submersion: 17 mtr | Temperature: 0 - 35°C

Application: Industry | Agriculture | Processing | Irrigation | Potable water | Spraying



ACUASUB	Impellers	Shaft seal	Level switch
	Closed	Single mechanical	Manual control

Pump	Handle	Pump body & outlet	Impellers	Diffusers
	S/S 304	S/S 304	Noryl	Noryl
	Shaft	Shaft seal	Lubrication	Strainer
	S/S 420	Carbon ceramic & NBR	Non toxic oil	S/S 304

Motor	Poles, protection	Casing	Insulation	Thermal protection
	2 pole, IP68	S/S 304	Class F	External
	Starting	Motor casing	Power cable (20mtr) & switch cable	
	External capacitor	S/S 304	Rubber	



Optional sand filter



Acuasub

item code	model	Manual or Auto	outlet (FBSP)	kW	volt	flow (l/min)	head (mtrs)	dia x h (mm)	bore hole (size)	dry weight (kgs)
22-10-1030	Acuasub 55/100	M	1¼"	0.75	230	45	100	Ø99x672	4"	13.0
22-10-1005	Acuasub 55/140	M	1¼"	1.1	230	45	140	Ø99x830	4"	14.0
22-10-1029	Acuasub 100/70	M	1¼"	0.75	230	90	70	Ø99x565	4"	13.0
22-10-1010	Acuasub 100/100	M	1¼"	1.1	230	90	100	Ø99x680	4"	15.0
22-85-1000	Optional extra: sand filter									



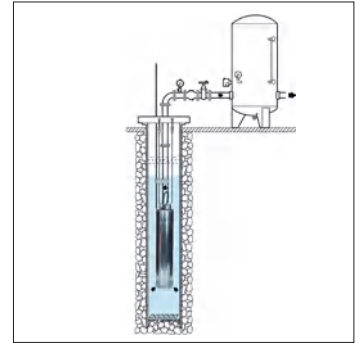
ACUATEC

5" BOREHOLES

The **Acuatec** series are multi-stage pumps for high pressure, high head pumping in agricultural and industrial applications. They are lubricated and cooled by non-toxic oil. Suitable for pumping potable water and water containing up to 60 g/m³ of suspended solids. All models have integral starting capacitors. Available as manual or with a pendant float switch, for automatic operation, flow on the manual version can be controlled by including a pressure controller in the delivery line (see pages 98 and 99).

Fluid: Clean water, max 60 g/m³ particles | Maximum depth of submersion: 17 mtr | Temp: 0 - 35°C

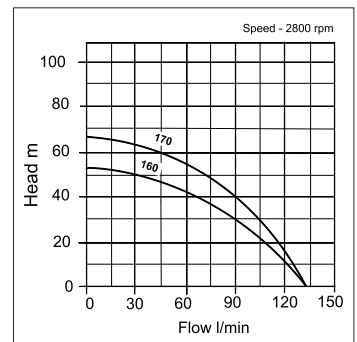
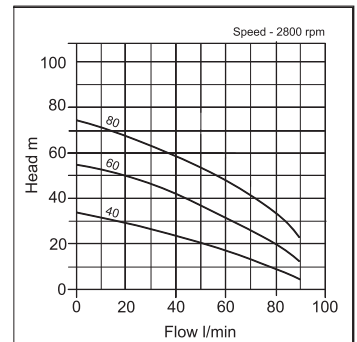
Application: Industry | Agriculture | Processing | Irrigation | Potable water | Spraying



ACUATEC	Impellers	Shaft seal	Level switch (automatic)
	Closed	Single mechanical	Pendant (optional)

Pump	Handle	Pump body & outlet	Impellers
	S/S 304	S/S 304	Noryl
	Diffusers	Shaft	Shaft seal
	Noryl	S/S 420	Carbon ceramic & NBR
	Lubrication	Strainer	Level switch
	Non toxic oil	S/S 304	Polypropylene

Motor	Poles, protection	Casing	Insulation	Thermal protection
	2 pole, IP68	S/S 304	Class F	Integral
	Starting	Motor casing	Power cable (20mtr) & switch cable	
	Internal capacitor	S/S 304	Rubber	



Acuatec manual



Acuatec auto

item code	model	Manual or Auto	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	dia x h (mm)	bore hole (size)	dry weight (kgs)
22-10-1031	Acuatec 40	M	1 1/4"	0.6	230	90	33	Ø127x420	5"	12.0
22-10-1004	Acuatec 40	A	1 1/4"	0.6	230	90	33	Ø127x420	5"	12.3
22-10-1015	Acuatec 60	M	1 1/4"	0.9	230	90	55	Ø127x490	5"	13.0
22-10-1019	Acuatec 60	A	1 1/4"	0.9	230	90	55	Ø127x490	5"	13.3
22-10-1034	Acuatec 80	M	1 1/4"	1.2	230	90	75	Ø127x570	5"	15.0
22-10-1021	Acuatec 80	A	1 1/4"	1.2	230	90	75	Ø127x570	5"	15.3
22-10-1041	Acuatec 160	M	1 1/4"	0.9	230	135	53	Ø127x605	5"	14.0
22-10-1043	Acuatec 160	A	1 1/4"	0.9	230	135	53	Ø127x605	5"	14.3
22-10-1042	Acuatec 170	M	1 1/4"	1.2	230	135	68	Ø127x649	5"	15.0
22-10-1044	Acuatec 170	A	1 1/4"	1.2	230	135	68	Ø127x649	5"	15.3

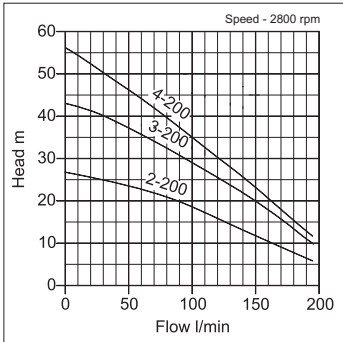
ACUABIG
5" BOREHOLES



The **Acuabig** series are multi-stage pumps for pumping large volumes of water at high pressure, high head in agricultural and industrial applications. They are lubricated and cooled by non-toxic oil. Suitable for pumping potable water and water containing up to 60 g/m³ of suspended solids. All models have integral starting capacitors. Available as manual or with a pendant float switch, for automatic operation, flow on the manual version can be controlled by including a pressure controller in the delivery line (see pages 98 and 99).

Fluid: Clean water, max 60 g/m³ particles | Maximum depth of submersion: 17 mtr | Temp: 0 - 35°C

Application: Industry | Agriculture | Processing | Irrigation | Potable water | Spraying



ACUABIG	Impellers	Shaft seal	Level switch (automatic)
	Closed	Single mechanical	Pendant (optional)

Pump	Handle	Pump body & outlet	Impellers
	S/S 304	S/S 304	Noryl
	Diffusers	Shaft	Shaft seal
	Noryl	S/S 420	Carbon ceramic & NBR
	Lubrication	Strainer	Level switch
	Non toxic oil	S/S 304	Polypropylene

Motor	Poles, protection	Casing	Insulation	Thermal protection
	2 pole, IP68	S/S 304	Class F	Integral
	Starting	Motor casing	Power cable (20mtr) & switch cable	
	Internal capacitor	S/S 304	Rubber	



Acuabig manual



Acuabig auto

item code	model	Manual or Auto	outlet (FBSP)	kW	volt	flow (l/min)	head (mtrs)	dia x h (mm)	bore hole (size)	dry weight (kgs)
22-10-1027	Acuabig 2-200	M	2"	0.75	230	195	27	Ø127x455	5"	12.0
22-10-1002	Acuabig 2-200	A	2"	0.75	230	195	27	Ø127x455	5"	12.3
22-10-1013	Acuabig 3-200	M	2"	1.1	230	195	43	Ø127x525	5"	13.0
22-10-1024	Acuabig 3-200	A	2"	1.1	230	195	43	Ø127x525	5"	13.3
22-10-1016	Acuabig 4-200	M	2"	1.5	230	195	57	Ø127x600	5"	15.0
22-10-1001	Acuabig 4-200	A	2"	1.5	230	195	57	Ø127x600	5"	15.3



ACUASYSTEM

HARVESTING & WET AREAS

Acuasystem are multi stage pumps that can be used as submersibles in rainwater harvesting systems and wells, and also on the surface, or “dry mounted” in unventilated areas and rooms with moist atmospheres or liable to flooding. For operation in dry applications, they are designed to be virtually silent. They are suitable for potable water and water containing up to 60 g/m³ of suspended solids.

All models have integral starting capacitors. Available as manual or with a pendant float switch, for automatic operation, flow on the manual version can be controlled by including a pressure controller in the delivery line (see pages 98 and 99).

For submersible applications, a floating suction set enables draining water from a tank without sucking in debris from the bottom.

Fluid: Clean water, max 60 g/m³ particles | Maximum depth of submersion: 17 mtr | Temp: 0 - 35°C

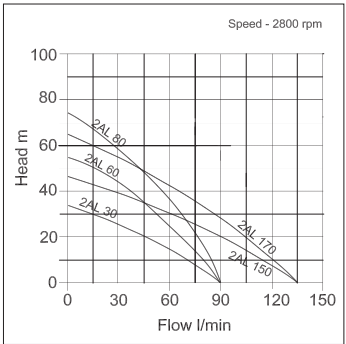
Application: Industry | Agriculture | Processing | Irrigation | Potable water | Rainwater harvesting



ACUASYSTEM	Impellers	Shaft seal	Level switch (automatic)
	Closed	Single mechanical	Pendant (optional)

Pump	Handle	Pump body & outlet	Impellers
	S/S 304	S/S 304	Noryl
	Diffusers	Shaft	Shaft seal
	Noryl	S/S 420	Carbon ceramic & NBR
	Lubrication	Stand & inlets	Level switch
	Non toxic oil	S/S 304	Polypropylene

Motor	Poles, protection	Casing	Insulation	Thermal protection
	2 pole, IP68	S/S 304	Class F	Integral
	Starting	Motor casing	Power cable (20mtr) & switch cable	
	Internal capacitor	S/S 304	Rubber	



Acuasystem 2AL 30



Floating suction set

item code	model	Manual or Auto	outlet (FBSP)	kW	volt	flow (l/min)	head (mtrs)	base dia x h (mm)	case diameter (mm)	dry weight (kgs)
22-10-1007	Acuasystem 2AL 30	M	1"	0.55	230	90	33	Ø190x528	127-175	12.0
22-10-1040	Acuasystem 2AL 30	A	1"	0.55	230	90	33	Ø190x528	127-175	12.3
22-10-1003	Acuasystem 2AL 60	M	1"	0.75	230	90	55	Ø190x607	127-175	13.0
22-10-1014	Acuasystem 2AL 60	A	1"	0.75	230	90	55	Ø190x607	127-175	13.3
22-10-1020	Acuasystem 2AL 80	M	1"	1.2	230	90	75	Ø190x727	127-175	15.0
22-10-1028	Acuasystem 2AL 80	A	1"	1.2	230	90	75	Ø190x727	127-175	15.3
22-10-1023	Acuasystem 2AL 150	M	1"	0.75	230	130	45	Ø190x607	127-175	13.1
22-10-1035	Acuasystem 2AL 150	A	1"	0.75	230	130	45	Ø190x607	127-175	13.4
22-10-1009	Acuasystem 2AL 170	M	1"	1.2	230	130	65	Ø190x727	127-175	15.1
22-10-1006	Acuasystem 2AL 170	A	1"	1.2	230	130	65	Ø190x727	127-175	15.4
12-85-1035	Optional extra: Floating suction set (6 bar) c/w 2 metres of 25mm hose									

SUBMERSIBLE SITE DRAINAGE

LSC1.4S (MANUAL)

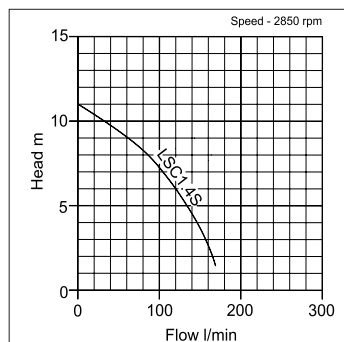
PUDDLE SUCKING



The **LSC1.4S** is a lightweight and robust single-phase contractors' pump used widely by tool rental companies, utilities, construction companies and in flood defence. It is often referred to as a "puddle sucker", as it can pump water levels down to 1mm. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position, with rubber and urethane components that give excellent wear resistance in site water applications that contain sand and silt in suspension. The top discharge design forms a water and air-cooling channel and this, combined with a high-performance motor, enables long periods of operation in seepage conditions. This discharge can be fixed in horizontal or vertical positions to enable the user to position the outlet in the required direction and prevent obstructions from a kinked hose. An additional feature is an integral check valve which will prevent backflow of water from the discharge hose, retaining priming water for pumping to begin quickly.

Fluid: Rain water | Ground water | Standing water | Dirty water | Temperature: 0 - 40°C

Application: Hire fleets | Construction | Utilities | Lift shafts | Fixed installations | Flood defence



LSC1.4S	Impeller	Shaft seal	Level switch (automatic)
	Semi-vortex	Double mechanical	Sensor or SwitchH20 (optional)

Pump	Handle (110v)/(230v)	Outlet (50mm/25mm)	Outer cover	Bearing housing
	Resin/Steel & rubber	Cast aluminium/ & steel	Steel	Cast aluminium
	Stand	Pump casing	Impeller	Suction cover
	Cast aluminium	Rubber	Urethane	Steel & Urethane
	Wear ring	Shaft	Shaft seal	Lubrication
	Steel & Urethane	S/S 410S	Silicon carbide	Oil
	NRV	Strainer-bottom plate	Level switch (sensor)	
	Rubber	S/S 304 & rubber	Rubber & S/S 304	

Motor	Poles, protection	Insulation	Thermal protection
	2 pole, IP68	Class E	Integral
	Starting	Motor frame & head	Power cable (10mtr)
	Internal capacitor	S/S 304	Rubber



LSC1.4S
25mm outlet



LSC1.4S
50mm outlet

item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	dia x h (mm)	dry weight (kgs)
10-10-1186	LSC1.4S	M	25	0.48	110	170	11	Ø196x316	12.0
10-10-1233	LSC1.4S	M	25	0.48	230	170	11	Ø196x385	12.0
10-10-1024	LSC1.4S	M	50	0.48	110	170	11	Ø196x316	12.0
10-10-1256	LSC1.4S	M	50	0.48	230	170	11	Ø196x385	12.0

COMING SOON: LSC2.75S 230 VOLT (0.75KW-310 L/MIN-15 MTRS) AVAILABLE SUMMER 2022



LSC1.4S (AUTOMATIC)

SHALLOW WATER CONTROL

For the automatic control of water levels, **LSC1.4S** are available with sensor switches:

The **Switch₂O** has three 304 stainless steel probes (on, off and common), which are set in an epoxy-resin filled holder and it is designed for fixed installations. It is supplied with a **Multi 1-P** control panel (see page 102) and 10 metres of low voltage, PVC power cable.

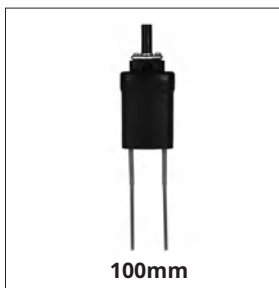
The **Sensor** has two 304 stainless steel probes (with detachable extensions), which are encapsulated in moulded rubber and it is designed for portable applications. The compact design and precise water level control also makes it suitable for fixed installations and narrow or shallow sumps. During use, when both probes touch water, the pump will start and continue to operate for one minute after the water level drops. However, if the water touches both probes again within this time, the pump continues pumping for another minute and will continue like this on demand, so keeping the water level constantly below the level of the probes at all times. The off level can be as low as 1mm, depending on the sump size or area being drained. Probes can be lengthened (by a further 100mm) with optional extensions, to enable a lower "on level".



Sensor



**Switch₂O
with Control Panel**



Sensor probe extension

item code	model	auto (type)	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	on level (mm)	off level (mm)	dry weight (kgs)
10-10-1144	LSC1.4S	Sensor	25	0.48	110	170	11	227x196x316	85	1	12.7
10-10-1222	LSC1.4S	Sensor	25	0.48	230	170	11	227x196x385	85	1	12.7
10-10-1057	LSC1.4S	Sensor	50	0.48	110	170	11	227x196x316	85	1	12.7
10-10-1157	LSC1.4S	Sensor	50	0.48	230	170	11	227x196x385	85	1	12.7
10-10-1252	LSC1.4S	Switch ₂ O	25	0.48	110	170	11	221x196x316	15 - 50	5 - 40	12.1
10-10-1224	LSC1.4S	Switch ₂ O	25	0.48	230	170	11	221x196x385	15 - 50	5 - 40	12.1
10-10-1171	LSC1.4S	Switch ₂ O	50	0.48	110	170	11	221x196x316	15 - 50	5 - 40	12.1
10-10-1071	LSC1.4S	Switch ₂ O	50	0.48	230	170	11	221x196x385	15 - 50	5 - 40	12.1
10-40-1004	100mm Sensor probe extensions x 2										0.05

SUBMERSIBLE SITE DRAINAGE

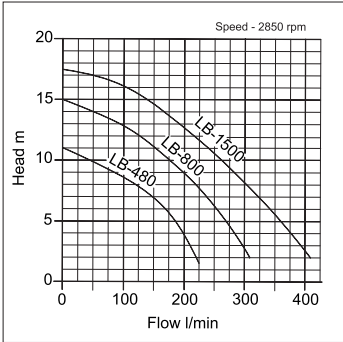
LB (MANUAL) SINGLE PHASE



The **LB** series is a lightweight and robust range of single-phase contractors' pumps used widely by tool rental companies, utilities and in the construction industry. Considered the "hire industry standard", early models have been used since the 1970's. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position, with rubber and urethane components that give excellent wear resistance in site water applications that contain sand and silt in suspension. The top discharge design forms a water and air-cooling channel and this, combined with a high-performance motor, enables long periods of operation in seepage conditions. On the **LB-480** and **LB-800** models, the discharge can be fixed in horizontal or vertical positions to enable the user to position the outlet in the required direction and prevent obstructions from a kinked hose.

Fluid: Rainwater | Ground water | Standing water | Dirty water | Temperature: 0 - 35°C

Application: Hire fleets | Construction | Utilities | Lift shafts | Fixed installations | Flood defence



LB	Impeller	Shaft seal	Level switch (automatic)
	Semi-vortex	Double mechanical	Pendant, Agma or Sensor (optional)

Pump	Handle (110v)/(230v)	Outlet (LB-480/800)	Outlet (LB-1500)
	Resin/Steel & rubber	Cast aluminium	Cast-iron
	Outer cover	Bearing housing	Pump casing
	Steel	Cast aluminium	Rubber
	Impeller (LB-480/800)	Impeller (LB-1500)	Suction cover (LB-480/800)
	Urethane	Chromium iron	Steel & Urethane
	Wear ring (LB-480/800)	Wear ring (LB-1500)	Shaft
	Steel & Urethane	Rubber	S/S 410S
	Shaft seal	Lubrication	Strainer
	Silicon carbide	Oil	Steel
	Level switch (Pendant)	Level switch (Agma)	Level switch (Sensor)
	Polypropylene	Polypropylene	Rubber & S/S 304

Motor	Poles, protection	Insulation	Thermal protection	Starting
	2 pole, IP68	Class E	Integral	Internal capacitor
	Motor frame & head cover		Power cable (10mtr) & switch cable	
	Cast aluminium		Rubber	



LB-480



LB-800



LB-1500

item code	model	Manual or Auto	outlet (mm/BSPM)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	dia x h (mm)	dry weight (kgs)
10-10-1115	LB-480	M	50	0.48	110	225	11	6	Ø187x285	10.4
10-10-1118	LB-480	M	50	0.48	230	225	11	6	Ø187x353	10.4
10-10-1129	LB-800	M	50	0.75	110	310	15	6	Ø187x408	13.0
10-10-1094	LB-800	M	50	0.75	230	310	15	6	Ø187x408	13.0
10-10-1087	LB-1500	M	2"	1.5	230	420	17.5	6	Ø187x600	32.5



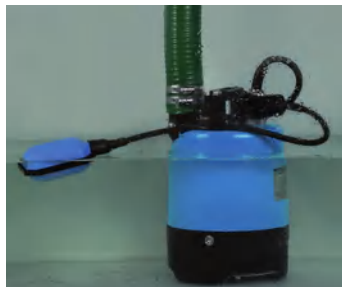
LB (AUTOMATIC) LEVEL CONTROL

For the automatic control of water levels, **LB480** and **LB800** are available with sensor and float switches:

The **Sensor** switch has two 304 stainless steel probes that are encapsulated in moulded rubber and it is designed for portable applications. The compact design and precise water level control also makes it suitable for fixed installations and narrow or shallow sumps. During use, when both probes touch water, the pump will start and continue to operate for one minute after the water level drops. However, if the water touches both probes again within this time, the pump continues pumping for another minute and will continue like this on demand, so keeping the water level constantly below the level of the probes at all times. The off level can be as low as the suction cover at 20mm, depending on the sump size or area being drained. Probes can be lengthened by 70mm or 170mm, with optional extensions, to enable a lower "on" and "off" level.

The **Pendant** float-switch has a power cable connected to a waterproof case that contains a ball bearing actuated switch and is designed for portable and fixed installations. The cable is clamped to the pump, with a small amount of adjustment to alter the "on" and "off" level.

The **AGMA** float-switch has a switch actuated by a floating cylinder, housed within a tube. Compact, with fixed "on" and "off" levels for precise level control, it is intended for narrow sumps and fixed installations.



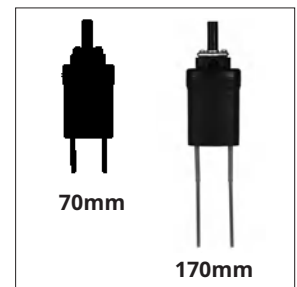
Pendant



AGMA



Sensor



Sensor probe extensions

item code	model	auto (type)	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	on level (mm)	off level (mm)	dry weight (kgs)
10-10-1178	LB-480	Pendant	50	0.48	110	225	11	6	227x187x285	300 *	80 *	10.8
10-10-1203	LB-480	Pendant	50	0.48	230	225	11	6	227x187x353	300 *	80 *	10.8
10-10-1050	LB-480	AGMA	50	0.48	230	225	11	6	246x187x353	210	110	10.7
10-10-1345	LB-480	Sensor	50	0.48	110	225	11	6	223x187x285	115	114 - 20	11.0
10-10-1259	LB-480	Sensor	50	0.48	230	225	11	6	223x187x353	115	114 - 20	11.0
10-10-1130	LB-800	Pendant	50	0.75	110	310	15	6	227x187x408	300 *	60 *	13.4
10-10-1022	LB-800	Pendant	50	0.75	230	310	15	6	227x187x408	300 *	60 *	13.4
10-10-1346	LB-800	AGMA	50	0.75	230	310	15	6	246x187x408	265	165	13.3
10-10-1324	LB-800	Sensor	50	0.75	110	310	15	6	223x187x408	170	169 - 20	13.6
10-10-1347	LB-800	Sensor	50	0.75	230	310	15	6	223x187x409	170	169 - 20	13.6
10-40-1002	70mm Sensor probe extensions x 2											0.02
10-40-1000	170mm Sensor probe extensions x 2											0.07

* APPROXIMATE LIQUID LEVEL

HS (MANUAL)
SINGLE PHASE

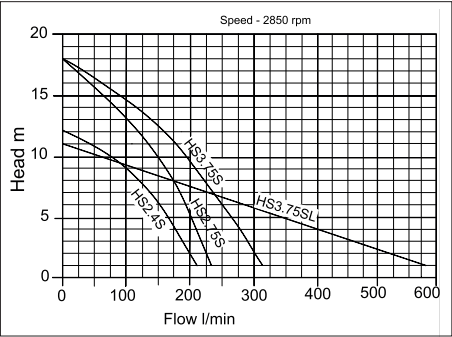


The **HS** series is a lightweight and robust range of single-phase contractors' pumps used widely by tool rental companies, utilities and in the construction industry. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position; the spiral shape minimizes clogging. These combine with a urethane impeller, stirrer and cast iron pump chamber to give excellent wear and blockage resistance in water that contains sand and silt. The high-performance motor enables long periods of operation while partially submerged.

The puddle pump adaptor kit is an optional extra that will convert the **HS2.4S** manual to a puddle sucker. It will enable the pumping of water levels down to 10mm, maximize utilisation and is very simple to fit. The kit comprises a rubber coated steel bottom plate, stainless steel bolts, nuts and washers.

Fluid: Rain water | Ground water | Sand carrying water | Temperature: 0 - 40°C

Application: Hire fleets | Construction | Utilities | Dewatering | Fixed installations | Processing



HS	Impeller	Shaft seal	Level switch (automatic)
	Semi-vortex	Double mechanical	Pendant, Agma or Sensor (optional)
Pump	Handle	Outlet	Pump casing
	Steel & rubber	Cast aluminium	Ductile iron
	Impeller	Shaft seal	Lubrication
	Urethane	Silicon carbide	Oil
	Shaft	S/S 410S	Stirrer
	Strainer	PVC	Sintered alloy
	Level switch (Pendant)	Level switch (Agma)	Level switch (Sensor)
	Polypropylene	Polypropylene & PC	Rubber & S/S 304

PUDDLE PUMP ADAPTOR

Convert the HS2.4S by fitting a residue plate.



Rubber coated steel plate



Pumps down to 10mm

Motor	Poles, protection	Insulation	Thermal protection	Starting
	2 pole, IP68	Class E	Integral	Internal capacitor
	Motor frame & head cover		Power cable (10mtr) & switch cable	
	Cast aluminium		Rubber	



item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1163	HS2.4S	M	50	0.4	110	205	12	7	185x241x328	11.3
10-10-1181	HS2.4S	M	50	0.4	230	205	12	7	185x241x328	11.3
10-10-1020	HS2.75S	M	50	0.75	110	230	18	7	185x290x385	16.9
10-10-1095	HS2.75S	M	50	0.75	230	230	18	7	185x290x385	16.9
10-10-1147	HS3.75S	M	75	0.75	110	310	18	7	184x290x385	16.9
10-10-1159	HS3.75S	M	75	0.75	230	310	18	7	184x290x385	16.9
10-10-1102	HS3.75SL	M	75	0.75	110	580	10.8	7	184x290x425	19.6
10-10-1108	HS3.75SL	M	75	0.75	230	580	10.8	7	184x290x425	19.6
10-85-1016	Puddle pump adaptor kit for HS2.4S									0.55



HS (AUTOMATIC) LEVEL CONTROL

For the automatic control of water levels, the **HS** series is available with sensor and float switches:

The **Sensor** switch has two 304 stainless steel probes that are encapsulated in moulded rubber and it is designed for portable applications. The compact design and precise water level control also makes it suitable for fixed installations and narrow or shallow sumps. During use, when both probes touch water, the pump will start and continue to operate for one minute after the water level drops. However, if the water touches both probes again within this time, the pump continues pumping for another minute and will continue like this on demand, so keeping the water level constantly below the level of the probes at all times. The off level can be as low as the level of the water entry of the volute at 50mm, depending on the sump size or area being drained. Probes can be lengthened by 70mm or 170mm, with optional extensions, to enable a lower “on” and “off” level.

The **Pendant** float-switch has a power cable connected to a waterproof case that contains a ball bearing actuated switch and is designed for portable and fixed installations. The cable is clamped to the pump, with a small amount of adjustment to alter the “on” and “off” level.

The **AGMA** float-switch has a switch actuated by a floating cylinder, housed within a tube. Compact, with fixed “on” and “off” levels for precise level control, it is intended for narrow sumps and fixed installations.



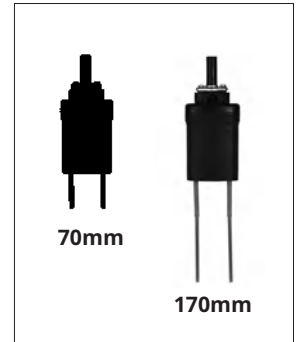
Pendant



AGMA



Sensor



Sensor probe extensions

item code	model	auto (type)	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	on level (mm)	off level (mm)	dry weight (kgs)
10-10-1195	HS2.4S	Pendant	50	0.4	110	205	12	7	210x241x358	360 *	100 *	11.7
10-10-1154	HS2.4S	Pendant	50	0.4	230	205	12	7	210x241x358	360 *	100 *	11.7
10-10-1013	HS2.4S	AGMA	50	0.4	230	205	12	7	230x241x358	265	165	11.6
10-10-1000	HS2.4S	Sensor	50	0.4	110	205	12	7	207x241x358	175	174 - 50	11.9
10-10-1002	HS2.4S	Sensor	50	0.4	230	205	12	7	207x241x358	175	174 - 50	17.2
10-10-1058	HS2.75S	Pendant	50	0.75	110	230	18	7	210x285x424	430 *	50 *	17.5
10-10-1328	HS2.75S	Sensor	50	0.75	110	230	18	7	207x285x424	430	50	17.5
10-10-1237	HS2.75S	Pendant	50	0.75	230	230	18	7	210x285x424	430 *	50 *	17.3
10-10-1014	HS2.75S	AGMA	50	0.75	230	230	18	7	230x285x424	330	230	17.2
10-10-1033	HS2.75S	Sensor	50	0.75	230	230	18	7	207x285x424	240	239 - 50	17.5
10-10-1003	HS3.75S	Pendant	75	0.75	110	310	18	7	210x285x424	430 *	50 *	17.3
10-10-1326	HS3.75S	Sensor	75	0.75	110	230	18	7	207x285x424	430	50	17.5
10-10-1145	HS3.75S	Pendant	75	0.75	230	310	18	7	210x285x424	430 *	50 *	17.3
10-10-1040	HS3.75S	AGMA	75	0.75	230	310	18	7	230x285x424	330	230	17.2
10-10-1049	HS3.75S	Sensor	75	0.75	230	310	18	7	207x285x424	240	239 - 50	17.5
10-10-1244	HS3.75SL	Pendant	75	0.75	110	580	10.8	7	210x285x454	470 *	90 *	20.0
10-10-1330	HS3.75SL	Sensor	75	0.75	110	580	10.8	7	207x285x424	470	90	20.2
10-10-1258	HS3.75SL	Pendant	75	0.75	230	580	10.8	7	210x285x454	470 *	90 *	20.0
10-10-1044	HS3.75SL	AGMA	75	0.75	230	580	10.8	7	230x285x454	370	270	20.3
10-10-1062	HS3.75SL	Sensor	75	0.75	230	580	10.8	7	207x285x454	280	279 - 50	20.6
10-40-1002	70mm Sensor probe extensions x 2											0.02
10-40-1000	170mm Sensor probe extensions x 2											0.07

* APPROXIMATE LIQUID LEVEL

HSD2.55S

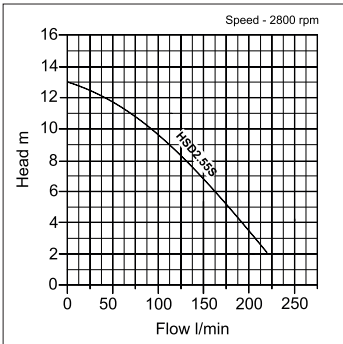
AGITATOR



The **HSD2.55S** is a lightweight and robust single-phase drainage pump, with an agitator and impeller in chromium iron to minimize clogging and increase wear resistance when pumping sand carrying water, sludge and bentonite. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position. The high-performance motor enables long periods of operation while partially submerged. Available as manual or with a pendant float switch, for automatic operation.

Fluid: Ground water | Sludge & water carrying bentonite | Temperature: 0 - 40°C

Application: Quarries | Processing | Utilities | Dewatering | Fixed installations



HSD2.55S	Impeller	Shaft seal	Level switch (automatic)
	Semi-vortex	Double mechanical	Pendant float (optional)

Pump	Handle	Outlet	Pump casing	Impeller
	Steel & rubber	Cast aluminium	Ductile iron	Chromium Iron
	Agitator	Shaft seal	Lubrication	Shaft
	Chromium Iron	Silicon carbide	Oil	S/S 410S
	Strainer	Stand	Level switch	
	Steel	PVC	Polypropylene	

Motor	Poles, protection	Insulation	Thermal protection	Starting
	2 pole, IP68	Class E	Integral	Internal capacitor
	Motor frame & head cover		Power cable (10mtr) & switch cable	
	Cast aluminium		Rubber	



HSD2.55S auto



HSD2.55S manual

item code	model	Manual or Auto	outlet (BSPM/mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1280	HSD2.55S	M	2"/50	0.55	230	220	13.2	10	186x241x391	14.0
10-10-1301	HSD2.55S	A	2"/50	0.55	230	220	13.2	10	186x241x391	14.3

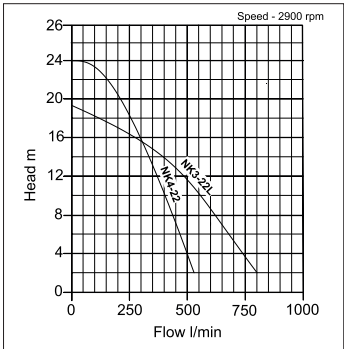
COMING SOON: 110 VOLT AVAILABLE AUTUMN 2022



NK are single phase drainage pumps capable of large flows at high heads. Constructed in superior grade materials throughout they give exceptional performance in harsh operating conditions. The hydraulic area features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position. The top discharge design forms a water and air-cooling channel and this, combined with a high-performance motor, enables long periods of operation in seepage conditions. Each model has an integral starting capacitor.

Fluid: Rain water | Ground water | Sand carrying water | Temperature: 0 - 40°C

Application: Hire fleets | Construction | Utilities | Tunnelling | Processing



NK	Impeller	Shaft seal	Level switch
	Semi-vortex	Double mechanical	Manual control

Pump	Handle	Outlet (NK4-22)	Outlet (NK3-22L)
	Steel & rubber	Cast aluminium	Cast iron
	Oil casing (NK4-22)	Wear ring (NK4-22)	Impeller (NK4-22)
	Cast aluminium	Rubber	Ductile iron
	Impeller (NK3-22L)	Pump casing (NK4-22)	Pump casing (NK3-22L)
	Chromium iron	Rubber	Ductile iron
	Suction cover (NK3-22L)	Shaft (NK4-22)	Shaft (NK3-22L)
	Ductile iron	S/S 403	S/S 420J2
	Shaft seal	Lubrication	Strainer
	Silicon carbide	Oil	Steel

Motor	Poles, protection	Insulation	Thermal protection
	2 pole, IP68	Class B	Integral
	Starting	Motor frame & head cover	Power cable (20mtr)
	Internal capacitor	Cast aluminium	Rubber



NK3-15

item code	model	Manual or Auto	outlet (BSPM)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1266	NK4-22	M	2"	2.2	230	525	24	6	194x243x614	29
10-10-1281	NK3-22L	M	3"	2.2	230	800	18	6	216x235x669	40

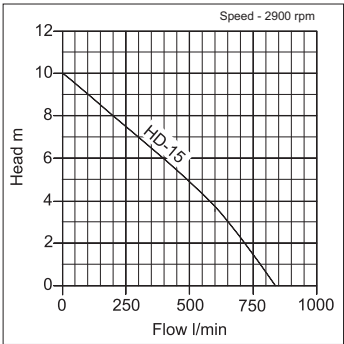
HD-15
HIGH FLOW



The **HD-15** is a single phase contractors' pump capable of very large flows from a relatively small, single phase motor. 110 volt models are designed primarily for use in site drainage applications, where the water contains sand and silt. Motors are continuously rated which enables the 230 volt models to be suitable for constant running applications in large ponds, water features and flood defence. It has an integral starting capacitor, hard-faced mechanical seals and is available as manual or with a pendant float switch, for automatic operation.

Fluid: Ground water | Sand carrying water | Pond water | Temperature: 0 - 40°C

Application: Hire fleets | Construction | Utilities | Dewatering | Water features | Processing



HD-15	Impeller	Shaft seal	Level switch (automatic)
	Semi-open	Double mechanical	Pendant float (optional)

Pump	Handle	Outlet	Pump body c/w flange	Impeller
	Steel & rubber	Polypropylene	Ductile iron	Ductile iron
	Suction cover	Shaft seal	Lubrication	Shaft
	Ductile iron	Silicon carbide	Oil	S/S 410S
	Strainer	Level switch		
	S/S 304	Polypropylene & rubber		

Motor	Poles, protection	Insulation	Thermal protection	Starting
	2 pole, IP68	Class B	Integral	Internal capacitor
	Motor frame	Head cover	Power cable (10mtr) & switch cable	
	S/S 304	Grey cast iron	Rubber	



HD-15 automatic



HD-15 manual

item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
15-10-1062	HD-15	M	75	1.15	110	830	10	9	190x310x505	25.45
15-10-1097	HD-15	M	75	1.15	230	830	10	9	190x310x505	25.45
15-10-1099	HD-15	A	75	1.15	110	830	10	9	190x310x505	26.10
15-10-1036	HD-15	A	75	1.15	230	830	10	9	190x310x505	26.10
15-85-1005	Optional extra: 50mm outlet									

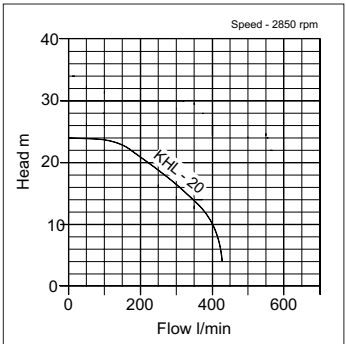


KHL-20
HIGH HEAD

The **KHL-20** is a single phase drainage pump capable of pumping a large flow at a high head. It has an integral starting capacitor and is available as manual or with a pendant float switch, for automatic operation (230v only).

Fluid: Clean and dirty water | Temperature: 0 - 40°C

Application: Dewatering | Fixed installations | Irrigation | Water features | Processing



KHL-20	Impeller	Shaft seal	Level switch (automatic)
	Vortex	Double mechanical	Pendant float (optional)

Pump	Handle	Outlet	Pump body c/w flange	Impeller
	Steel & rubber	Polypropylene	Grey cast-iron	Ductile iron
	Shaft seal	Lubrication	Shaft	Strainer
	Silicon carbide/CE	Oil	S/S 410	S/S 304
	Bottom plate	Level switch		
	Grey cast-iron	Polypropylene & rubber		

Motor	Poles, protection	Insulation	Thermal protection	Starting
	2 pole, IP68	Class B	Integral	Internal capacitor
	Motor frame	Head cover	Power cable (10mtr) & switch cable	
	S/S 304	Grey cast iron	Rubber	



KHL-20 manual



KHL-20 automatic

item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
15-10-1108	KHL-20	M	50	1.5	230	425	24	12	208x375x590	36
15-10-1109	KHL-20	A	50	1.5	230	425	24	12	208x375x590	36
15-10-1107	KHL-20	M	50	1.5	400	425	24	12	208x375x590	38

SUBMERSIBLE DEWATERING

KTV (MANUAL)

3 PHASE

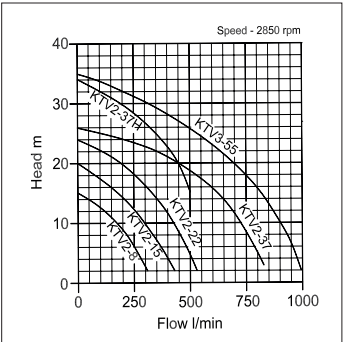


The **KTV** series is a range of lightweight, three phase, contractors' pumps, which are constructed in superior grade materials throughout to give exceptional performance in harsh operating conditions. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position. The top discharge design forms a water and air-cooling channel and this, combined with a high-performance motor, enables long periods of operation in seepage conditions. Maintenance is straightforward, with simple replacement of parts, without the need for special tools. High-performance motors feature thermal protection, enabling simple installation and direct connection to the power supply.

Special use option: IDS (individually screened cable) on 3.7kW and 5.5kW models. (Please request a quotation)

Fluid: Rain water | Ground water | Sand carrying water | Temperature: 0 - 40°C

Application: Hire fleets | Construction | Utilities | Dewatering | Tunnelling | Processing



KTV(E)	Impeller	Shaft seal	Level switch (automatic)
	Semi-vortex	Double mechanical	Sensor (optional)

Pump	Handle	Outlet	Oil casing	Pump casing
	Steel & rubber	Cast iron/cast aluminium	Cast aluminium	Rubber
	Wear ring	Impeller (KTV2-8)	Impeller	Shaft (KTV2-8)
	Rubber	Urethane	Ductile iron	S/S 420J2
	Shaft	Shaft seal	Lubrication	Strainer
	S/S 403	Silicon carbide	Oil	Steel
	Level switch (Sensor)			
	Rubber & S/S 304			

Motor	Poles, protection	Insulation	Thermal protection	Starting
	2 pole, IP68	Class E	Integral	D.O.L.
	Motor head cover	Motor casing	Power cable, 20mtr (KTV2-8, 10mtr)	
	Cast aluminium	Cast aluminium	Rubber	



KTV2-8



KTV2-37

item code	model	Manual or Auto	outlet (BSPM/mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	dia x h (mm)	dry weight (kgs)
10-10-1167	KTV2-8	M	2" & 50	0.75	400	320	15	6	Ø200x369	11.5
10-10-1236	KTV2-15	M	2" & 50	1.5	400	425	20	8.5	Ø240x396	19.5
10-10-1029	KTV2-22	M	2" & 50	2.2	400	525	24	8.5	Ø240x416	23.0
10-10-1134	KTV2-37	M	3" & 75	3.7	400	830	26	8.5	Ø285x510	34.0
10-10-1200	KTV2-37H	M	2" & 50	3.7	400	500	34	8.5	Ø285x510	34.0
10-10-1137	KTV3-55	M	3" & 75	5.5	400	980	35	8.5	Ø300x545	46.5

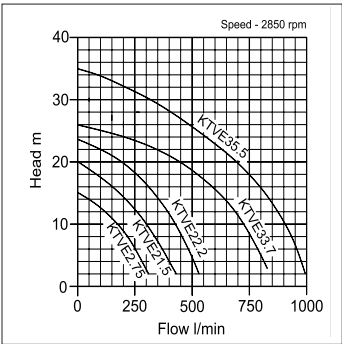


KTVE (AUTOMATIC)

3 PHASE LEVEL CONTROL

The **KTVE** pumps offer an automatic option to the **KTV** series, without the need for external control panels and cumbersome float switches. A sensor probe is mounted in a durable, moulded rubber bracket and, for added protection, it is positioned within the footprint of the pump base. Once the water level reaches the probe, the pump will start and continue to operate for one minute after the water falls below it. However, if the water level touches the probe within this time, the “stop” signal is cancelled and the pump continues to run until the water is cleared. To enable a lower “on level” (by a further 90mm), the sensor probe can be lengthened by fitting the electrode extender, which is an optional extra.

Special use option: IDS (individually screened cable) on 3.7kW and 5.5kW models. (Please request a quotation)



KTVE22.2



KTVE33.7

item code	model	Manual or Auto	outlet (BSPM/mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	dia x h (mm)	on level (mm)	off level (mm)	dry weight (kgs)
10-10-1069	KTVE2.75	A	2" & 50	0.75	400	320	15	6	Ø200x417	204	65	12.7
10-10-1204	KTVE21.5	A	2" & 50	1.5	400	425	20	8.5	Ø240x486	235	80	22.0
10-10-1037	KTVE22.2	A	2" & 50	2.2	400	525	24	8.5	Ø240x486	235	80	25.0
10-10-1098	KTVE33.7	A	3" & 75	3.7	400	830	26	8.5	Ø285x585	297	90	40.0
10-10-1185	KTVE35.5	A	3" & 75	5.5	400	980	35	8.5	Ø300x620	327	90	52.0
090-126-15	Electrode extender											0.2

KTZ (MANUAL)

3 PHASE

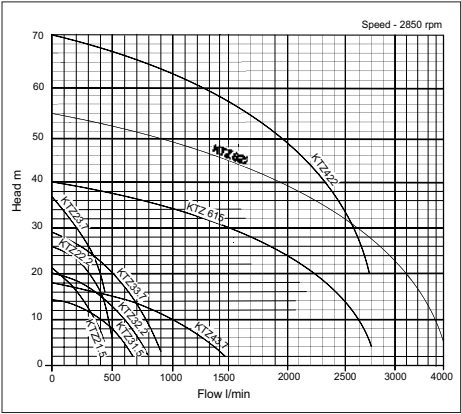
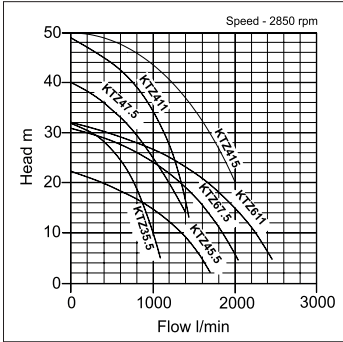


The **KTZ** series is a range of three phase, contractors' pumps which are constructed in superior grade materials throughout to give exceptional performance in harsh operating conditions. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position. The top discharge design forms a water and air-cooling channel and this, combined with a high-performance motor, enables long periods of operation in seepage conditions. The discharge can be fixed in horizontal or vertical positions to enable the user to position the outlet in the required direction and prevent obstructions from a twisted hose. Maintenance and altering the performance of a pump is straightforward, with simple replacement, or changing of parts, without the need for special tools and a workshop. High-performance motors feature thermal protection, enabling simple installation and direct connection to the power supply.

Special use options: *IDS (individually screened cable) and sacrificial anodes (Please request a quotation)*

Fluid: Rain water | Ground water | Sand carrying water | Temperature: 0 - 40°C

Application: Hire fleets | Construction | Utilities | Tunnelling | Processing



KTZ(E)	Impeller	Shaft seal	Level switch (automatic)
	Open	Double mechanical	Sensor (optional)

Pump	Handle	Outlet (1.5kW-5.5kW)	Outlet (7.5kW-22kW)	Pump casing
	Steel & rubber	Cast iron/cast aluminium	Cast iron	Grey cast iron
	Impeller	Suction cover	Shaft	Shaft seal
	Chromium iron	Ductile iron	S/S 420J2	Silicon carbide
	Lubrication	Strainer	Level switch (Sensor)	
	Oil	Steel	Rubber & S/S 304	

Motor	Poles, protection	Insulation	Thermal protection	Starting
	2 pole, IP68	Class F	Integral	D.O.L.
	Motor head cover	Motor casing	Power cable (20mtr)	
	Grey cast-iron	Grey cast-iron	Rubber	



KTZ23.7



KTZ47.5



BSPM outlet

item code	model	Manual or Auto	outlet (BSPM/mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	dia x h (mm)	dry weight (kgs)
10-10-1052	KTZ21.5	M	2" & 50	1.5	400	425	21	8.5	216x235x478	35
10-10-1006	KTZ31.5	M	3" & 75	1.5	400	670	14	8.5	216x235x478	35
10-10-1136	KTZ22.2	M	2" & 50	2.2	400	500	26	8.5	216x235x498	36
10-10-1192	KTZ32.2	M	3" & 75	2.2	400	800	20	8.5	216x235x498	35
10-10-1162	KTZ23.7	M	2" & 50	3.7	400	440	37	8.5	252x283x637	62
10-10-1253	KTZ33.7	M	3" & 75	3.7	400	900	29	8.5	252x283x637	62
10-10-1238	KTZ43.7	M	4" & 100	3.7	400	1430	18	8.5	252x283x637	62
10-10-1093	KTZ35.5	M	3" & 75	5.5	400	1100	32	10	259x306x688	76
10-10-1097	KTZ45.5	M	4" & 100	5.5	400	1700	22	10	259x306x688	77
10-10-1026	KTZ47.5	M	4"	7.5	400	1400	40	12	314x330x687	100
10-10-1007	KTZ67.5	M	6"	7.5	400	2040	31	20	314x330x687	99
10-10-1065	KTZ41.1	M	4"	11	400	1450	49	12	350x373x740	130
10-10-1149	KTZ61.1	M	6"	11	400	2440	32	20	350x373x740	131
10-10-1267	KTZ41.5	M	4"	15	400	1980	55	10	350x374x906	146
10-10-1282	KTZ61.5	M	6"	15	400	2800	40	20	350x438x926	146
10-10-1017	KTZ42.2	M	4"	22	400	2750	71	8.5	413x528x1200	296
10-10-1031	KTZ62.2	M	6"	22	400	4000	55	12	413x558x1220	296

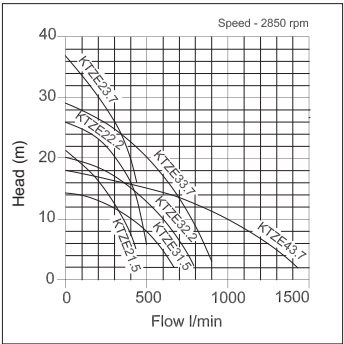


KTZE (AUTOMATIC)

3 PHASE LEVEL CONTROL

The **KTZE** pumps offer an automatic option to the **KTZ** series, without the need for external control panels and cumbersome float switches. A sensor probe is mounted in a durable, moulded rubber bracket and, for added protection, it is positioned within the footprint of the pump base. Once the water level reaches the probe, the pump will start and continue to operate for one minute after the water falls below it. However, if the water level touches the probe within this time, the “stop” signal is cancelled and the pump continues to run until the water is cleared. To enable a lower “on level” (by a further 90mm), the sensor probe can be lengthened by fitting the electrode extender, which is an optional extra.

Special use options: IDS (individually screened cable) (Please request a quotation)



KTZE Series



BSPM outlet

item code	model	Manual or Auto	outlet (BSPM/mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	dia x h (mm)	on level (mm)	off level (mm)	dry weight (kgs)
10-10-1068	KTZE21.5	A	2" & 50	1.5	400	425	21	8.5	216x235x609	345	120	40
10-10-1010	KTZE31.5	A	3" & 75	1.5	400	670	14	8.5	216x235x609	345	120	39
10-10-1109	KTZE22.2	A	2" & 50	2.2	400	500	26	8.5	216x235x629	355	120	42
10-10-1226	KTZE32.2	A	3" & 75	2.2	400	800	20	8.5	216x235x629	355	120	41
10-10-1119	KTZE23.7	A	2" & 50	3.7	400	440	37	8.5	252x283x747	435	150	71
10-10-1122	KTZE33.7	A	3" & 75	3.7	400	900	29	8.5	252x283x757	435	150	71
10-10-1101	KTZE43.7	A	4" & 100	3.7	400	1430	18	8.5	252x283x767	435	150	71
090-126-15	Electrode extender											0.2

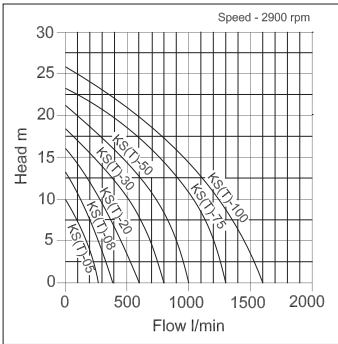
KST
3 PHASE



The **KST** series is a range of three phase drainage pumps for commercial and industrial applications.

Fluid: Rain water | Ground water | Sand carrying water | Temperature: 0 - 40°C

Application: Hire fleets | Construction | Utilities | Tunnelling | Processing



KST	Impeller	Shaft seal	Level switch	
	Open	Double mechanical	Manual control	
Pump	Handle	Outlet	Pump body c/w flange	Impeller
	S/S 410	Polypropylene	Grey cast iron	Grey cast iron
	Suction cover	Shaft seal	Lubrication	Shaft
	Grey cast iron	Carbon ceramic	Oil	S/S 410
	Strainer (KST-05 & 08)	Strainer (KST-20 to 100)		
	S/S 304	Grey cast iron		
Motor	Poles, protection	Insulation	Thermal protection	Starting
	2 pole, IP68	Class B	Integral	D.O.L.
	Motor frame	Head cover	Power cable, 20mtr (KST-05 & 08, 10mtr)	
	S/S 304	Grey cast iron	Rubber	



KST-08



KST-50

item code	model	Manual or Auto	outlet (mm/BSPM)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
15-10-1065	KST-05	M	50	0.4	400	260	10	5	156x226x340	14.5
15-10-1061	KST-08	M	50	0.75	400	380	13	6	175x285x457	21.2
15-10-1020	KST-20	M	75	1.5	400	600	16	9	205x375x530	31.0
15-10-1010	KST-30	M	75	2.2	400	800	18	11	255x465x535	42.5
15-10-1011	KST-50	M	4"	3.7	400	1000	21	11	255x465x565	48.3
15-10-1103	KST-75	M	4"	5.5	400	1300	23	11	330x570x700	60.1
15-10-1079	KST-100	M	6"	7.5	400	1600	25	11	330x570x720	70.4



The **KRS** series is a range of three phase, contractors' pumps which are constructed in superior grade materials throughout to give exceptional performance in harsh operating conditions. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position. The top discharge design forms a water and air-cooling channel and this, combined with a high-performance motor, enables long periods of operation in seepage conditions. 4 pole motors provide excellent solids handling and wear resistance in water containing sand and silt. They also feature thermal protection, enabling simple installation and direct connection to the power supply.

Special use options: IDS (individually screened cable) and sacrificial anodes (Please request a quotation)

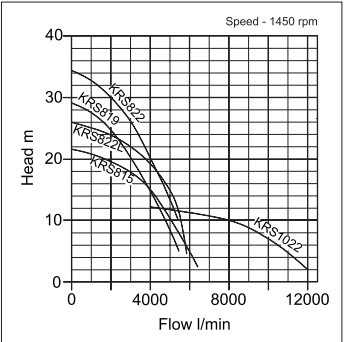
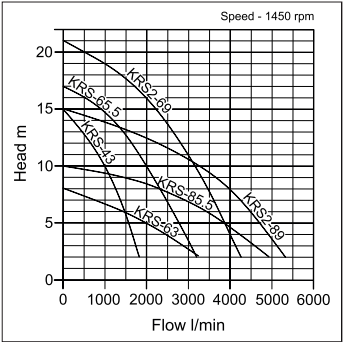
Fluid: Rain water | Ground water | Sand carrying water | Temperature: 0 - 40°C

Application: Hire fleets | Construction | Utilities | Tunnelling | Processing

KRS	Impeller	Impeller (KRS1022)	Shaft seal
	Open	Closed	Double mechanical

Pump	Handle	Lifting eyes	Outlet	Pump casing
	Steel	Grey cast iron	Cast iron	Grey cast iron
	Impeller	Suction cover	Shaft	Shaft seal
	Ductile iron	Grey cast iron	S/S 420J2	Silicon carbide
	Lubrication	Strainer		
	Oil	Steel		

Motor	Poles, protection	Insulation (KRS-43-85.5)	Insulation (KRS-69/89,1022)
	4 pole, IP68	Class E	Class B
	Insulation (KRS815-822)	Thermal protection	Starting
	Class F	Integral	D.O.L.
	Motor head cover	Motor casing	Power cable (20mtr)
	Grey cast iron	Grey cast iron	Rubber



KRS2-89

item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1128	KRS-43	M	100	3	400	1820	15	12	347x378x651	95
10-10-1168	KRS-63	M	150	3	400	3250	8	15	365x385x777	95
10-10-1116	KRS-65.5	M	150	5.5	400	3200	17	20	369x423x698	115
10-10-1015	KRS2-69	M	150	9	400	4250	21	20	424x487x743	155
10-10-1060	KRS-85.5	M	200	5.5	400	4900	10	20	413x445x800	125
10-10-1063	KRS2-89	M	200	9	400	5300	15	30	403x470x814	175
10-10-1054	KRS815	M	200	15	400	6400	21	25	440x481x949	235
10-10-1079	KRS822	M	200	22	400	5300	34	25	530x572x1156	390
10-10-1194	KRS822L	M	200	22	400	5850	26	25	530x572x1156	390
10-10-1228	KRS1022	M	250	22	400	12000	12	25	Ø520x1439	450

LH-W
HIGH HEAD

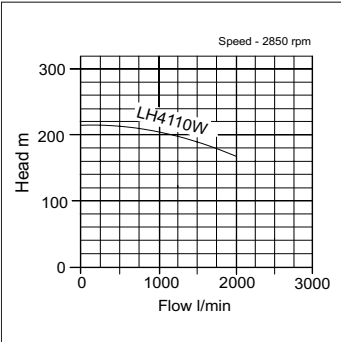
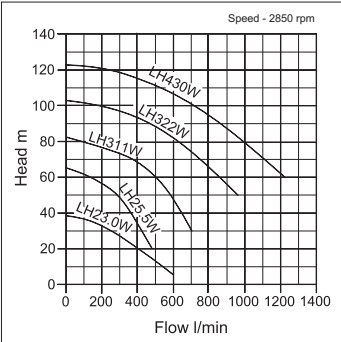


The **LH-W** series are three phase contractors' pumps capable of very high heads. Constructed in superior grade materials throughout to give exceptional performance in harsh operating conditions. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position. The top discharge design forms a water and air-cooling channel and this, combined with a high-performance motor, enables long periods of operation in seepage conditions. With this design the base is small, which enables good positioning in confined spaces. Maintenance is straightforward, with simple replacement of parts, without the need for special tools. High-performance motors feature thermal protection, enabling simple installation and direct connection to the power supply.

Special use options: IDS (individually screened cable) is available on most models (Please request a quotation)

Fluid: Rain water | Ground water | Water carrying sand | Temperature: 0 - 40°C

Application: Mines & quarries | Construction | Hire fleets | Tunnelling | Deep excavations



LH-W	Impellers	Shaft seal
	Closed	Double mechanical

Pump	Outer cover	Pump casings (23.0W)	Pump casings
	Steel	Ductile iron	Grey cast iron
	Oil casing	Impellers	Shaft
	Grey cast iron	Chromium iron	S/S 420J2
	Shaft seal	Lubrication	Strainer
	Silicon carbide	Oil	Steel

Motor	Poles, protection	Insulation(25.5/311-322W)	Insulation
	2 pole, IP68	Class B	Class F
	Thermal protection	Starting	Starting (430W/4110W)
	Integral	D.O.L.	Star-delta
	Motor cover	Motor frame	Power cable (20mtr)
	Grey cast iron	Grey cast iron	Rubber



LH23.0W

item code	model	Manual or Auto	outlet (BSPM/flange)	kW	volt	flow (l/min)	head (mtrs)	max. water depth (mtrs)	free passage (mm)	dia x h (mm)	dry weight (kgs)
10-10-1142	LH23.0W	M	2"	3	400	600	39	25	6	Ø185x630	46
10-10-1221	LH25.5W	M	2"	5.5	400	480	65	25	6	Ø240x750	80
10-10-1217	LH311W	M	80mm	11	400	700	82	30	8.5	Ø270x1024	130
10-10-1039	LH322W	M	80mm	22	400	940	102	30	8.5	Ø330x1235	304
10-10-1012	LH430W	M	100mm	30	400	1230	123	30	8.5	Ø330x1375	324
10-10-1030	LH4110W	M	100mm	110	400	2000	216	30	8.5	Ø616x1825	1270

LH
HIGH HEAD



The **LH** series are 3 phase contractors' pumps capable of very high heads. Constructed in superior grade materials throughout to give exceptional performance in harsh operating conditions. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any position. The top discharge design forms a water and air-cooling channel and with the high-performance motor, enables long periods of operation in seepage conditions. With this design the base is small, which enables good positioning in confined spaces. Maintenance is straightforward, with simple replacement of parts, without the need for special tools. High-performance motors feature thermal protection, enabling simple installation and direct connection to the power supply.

Special use options: IDS (individually screened cable) is available on most models (Please request a quotation)

Fluid: Rain water | Ground water | Water carrying sand | Temperature: 0 - 40°C

Application: Mines & quarries | Construction | Hire fleets | Tunnelling | Deep excavations

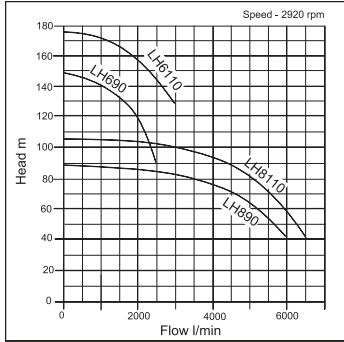
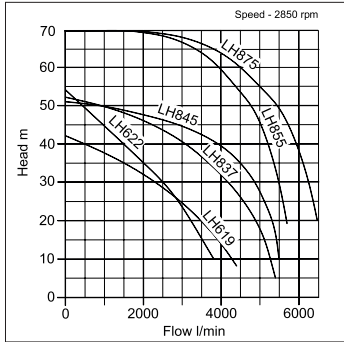
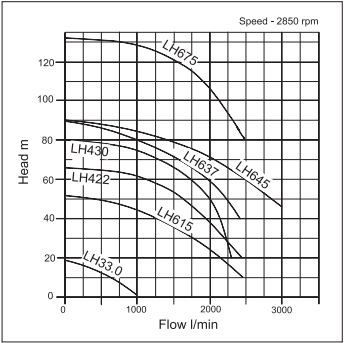
LH	Impeller	Shaft seal
	Closed	Double mechanical

Pump	Outer cover	Pump casings (33.0 - 622)	Pump casings
	Steel	Ductile iron	Grey cast iron
	Oil casing	Impeller	Shaft
	Grey cast iron	Chromium iron	S/S 420J2
	Shaft seal	Lubrication	Strainer
	Silicon carbide	Oil	Steel

Motor	Poles, protection	Insulation	Insulation (430 - 8110)	Thermal protection
	2 pole, IP68	Class B	Class F	Integral
	Starting	Starting (430 - 8110)	Motor cover	Power cable (20mtr)
	D.O.L.	Star-delta	Grey cast iron	Rubber

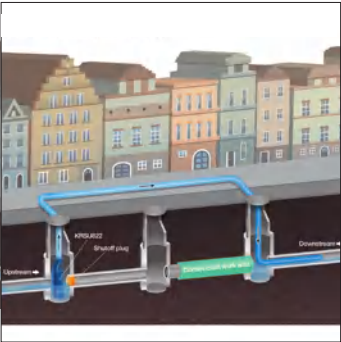


LH622



item code	model	Manual or Auto	outlet (BSPM/flange)	kW	volt	flow (l/min)	head (mtrs)	max. water depth (mtrs)	free passage (mm)	dia x h (mm)	dry weight (kgs)
10-10-1182	LH33.0	M	3"	3	400	1000	18	30	6	Ø185x645	42
10-10-1021	LH615	M	150mm	15	400	2400	52	30	6	Ø330x1014	213
10-10-1043	LH619	M	150mm	19	400	4400	42	30	12	Ø420x1352	350
10-10-1112	LH422	M	100mm	22	400	2400	66	30	6	Ø420x1352	350
10-10-1155	LH622	M	150mm	22	400	3800	54	30	12	Ø420x1352	360
10-10-1076	LH430	M	100mm	30	400	2300	80	30	6	Ø420x1352	355
10-10-1174	LH637	M	150mm	37	400	2375	90	30	6	Ø530x1448	495
10-10-1123	LH837	M	200mm	37	400	5400	52	30	20	Ø530x1488	495
10-10-1151	LH645	M	150mm	45	400	3000	90	30	6	Ø530x1448	510
10-10-1061	LH845	M	200mm	45	400	5500	52	30	20	Ø530x1488	510
10-10-1180	LH855	M	200mm	55	400	5670	70	30	20	Ø550x1716	820
10-10-1114	LH675	M	150mm	75	400	2440	132	30	6	Ø550x1676	865
10-10-1011	LH875	M	200mm	75	400	6500	70	30	20	Ø550x1716	865
10-10-1140	LH690	M	150mm	90	400	2455	149	30	6	Ø595x1787	1100
10-10-1103	LH890	M	200mm	90	400	6000	89	30	20	Ø595x1787	1150
10-10-1106	LH6110	M	150mm	110	400	2960	178	30	6	Ø595x1787	1200
10-10-1197	LH8110	M	200mm	110	400	6460	106	30	20	Ø595x1787	1250

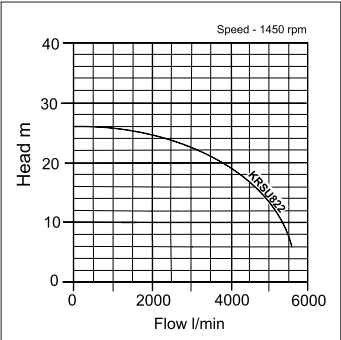
KRSU
LARGE SOLIDS



The **KRSU822** is a three phase drainage pump with a large solids passage capacity, designed specifically for temporary over-pumping during sewer refurbishment. Constructed in superior grade materials throughout to give exceptional performance in harsh operating conditions, its narrow shape and top discharge enables it to be fitted within a manhole. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position. It has a generous solids capacity. The high-performance motor features thermal protection and is cooled by a water jacket that assures efficient motor cooling even when exposed to air.

Fluid: Rain water | Ground water | Sewage | Temperature: 0 - 40°C

Application: Hire fleets | Construction | Utilities | By-pass projects | Processing



KRSU822	Impeller	Shaft seal
	Vortex	Double mechanical

Pump	Handle	Outlet	Pump casing
	Steel	Steel	Grey cast iron
	Impeller	Suction cover	Shaft
	Grey cast iron	Grey cast iron	S/S 420J2
	Shaft seal	Lubrication	Strainer stand
	Silicon carbide	Oil	Steel

Motor	Poles, protection	Insulation (KRS815-822)	Thermal protection
	4 pole, IP68	Class F	Integral
	Starting	Motor head cover	Motor casing
	D.O.L.	Grey cast iron	Grey cast iron
	Power cable (20mtr)		
	Rubber		



KRSU822

item code	model	Manual or Auto	outlet (flange/mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1268	KRSU822	M	200	22	400	5700	26.5	56	500x546x1486	380



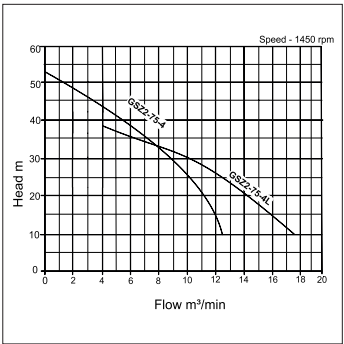
GSZ2

LARGE FLOW

GSZ2-75 are three phase contractors’ pumps for pumping large volumes of water at a high head. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position. The spiral shape of the pump casing, an air and water channel around the motor and the air-release valve, all combine to provide smooth, anti-clog pumping. They have a generous solids capacity. Constructed in superior grade materials throughout, with high-performance motors, which give exceptional performance in harsh operating conditions.

Fluid: Rain water | Ground water | Water carrying sand | Temperature: 0 - 40°C

Application: Mines & quarries | Construction | Hire fleets | Tunnelling | Deep excavations



GSZ2-75	Impeller	Shaft seal
	Closed	Double mechanical

Pump	Outlet	Outer cover	Pump casing
	Steel	Steel	Grey cast iron
	Oil casing	Impeller	Shaft
	Grey cast iron	Chromium iron	S/S 420J2
	Shaft seal	Lubrication	Strainer
	Silicon carbide	Oil	Steel

Motor	Poles, protection	Insulation	Thermal protection	Starting
	4 pole, IP68	Class E	Integral	Star-delta
	Motor cover	Motor frame	Power cable (20mtr)	
	Grey cast iron	Grey cast iron	Rubber	



GSZ2-75-4

item code	model	Manual or Auto	outlet (flange/mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1283	GSZ2-75-4L	M	250	75	400	12500	52	25	708x1050x1733	1200
10-10-1269	GSZ2-75-4	M	250	75	400	17500	38	25	739x1050x1778	1140

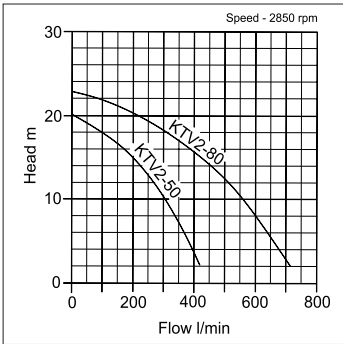
KTV2
AGITATOR



The **KTV2** pumps are portable three phase slurry pumps, in lightweight aluminium, with a built-in agitator to stir sand, silt and pulverized solids into suspension for pumping. Constructed in superior grade materials throughout, they give exceptional performance in harsh operating conditions. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position. The top discharge design forms a water and air-cooling channel and this, combined with a high-performance motor, enables long periods of operation in seepage conditions. Maintenance is straightforward, with simple replacement of parts, without the need for special tools. High-performance motors feature thermal protection, enabling simple installation and direct connection to the power supply.

Fluid: Sand & silt carrying water | Ground water | Pulverised solids | Temperature: 0 - 40°C

Application: Mines & quarries | Construction | Hire fleets | Industry | Processing



KTV2	Impeller	Shaft seal
	Semi-vortex	Double mechanical

Pump	Handle	Outlet	Pump casing	Oil casing
	Steel & rubber	Cast iron	Rubber	Cast aluminium
	Wear ring	Impeller	Agitator	Shaft
	Rubber	Chromium iron	Ductile iron	S/S 410S
	Shaft seal	Lubrication	Strainer stand	
		Silicon carbide	Oil	Steel

Motor	Poles, protection	Insulation	Thermal protection	Starting
	2 pole, IP68	Class E	Integral	D.O.L.
	Motor head cover	Motor casing	Power cable (20mtr)	
	Cast aluminium	Cast aluminium	Rubber	



KTV2-50

item code	model	Manual or Auto	outlet (BSPM/mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1227	KTV2-50	M	2" & 50	2	400	425	20	10	250x250x454	24
10-10-1146	KTV2-80	M	3" & 75	3	400	725	23	10	295x295x550	37

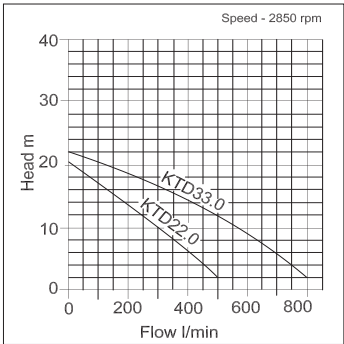
KTD
AGITATOR



KTD are three phase slurry pumps, in cast iron, with a built-in agitator to stir sand, silt and pulverized solids into suspension for pumping. Constructed in superior grade materials throughout, they give exceptional performance in harsh operating conditions. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position. The top discharge design forms a water and air-cooling channel and this, combined with a high-performance motor, enables long periods of operation in seepage conditions. Maintenance is straightforward, with simple replacement of parts, without the need for special tools. High-performance motors feature thermal protection, enabling simple installation and direct connection to the power supply.

Fluid: Sand & silt carrying water | Ground water | Bentonite | Pulverised solids | Temp: 0 - 40°C

Application: Mines & quarries | Construction | Hire fleets | Industry | Processing



KTD	Impeller	Shaft seal
	Open	Double mechanical

Pump	Handle	Outlet	Pump casing	Impeller
	Steel & rubber	Cast iron	Grey cast iron	Chromium iron
	Agitator	Suction cover	Shaft	Shaft seal
	Ductile iron	Ductile iron	S/S 420J2	Silicon carbide
	Lubrication	Strainer stand		
	Oil	Steel		

Motor	Poles, protection	Insulation	Thermal protection	Starting
	2 pole, IP68	Class E	Integral	D.O.L.
	Motor head cover	Motor casing	Power cable (20mtr)	
	Grey cast iron	Grey cast iron	Rubber	



KTD22.0

item code	model	Manual or Auto	outlet (BSPM/mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1199	KTD22.0	M	2" & 50	2	400	500	20	8.5	235x221x519	38
10-10-1229	KTD33.0	M	3" & 75	3	400	800	22	8.5	297x266x654	65

NKZ
AGITATOR

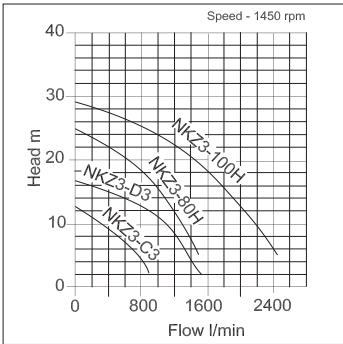


NKZ models are three phase slurry pumps, in cast iron, with a built-in agitator to stir sand, bentonite and pulverized solids into suspension for pumping. Capable of pumping large volumes at high heads, motors are 4 pole for increased wear resistance, they have a generous solids capacity. Constructed in superior grade materials throughout, they give exceptional performance in harsh operating conditions. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position. The spiral shape of the pump casing, an air and water channel around the motor and the air-release valve, all combine to provide smooth, anti-clog pumping. Maintenance is straightforward, with simple replacement of parts, without the need for special tools. High-performance motors feature thermal protection, enabling simple installation and direct connection to the power supply.

Special use options: IDS (individually screened cable) is available on most models (Please request a quotation)

Fluid: Sand & silt carrying water | Ground water | Bentonite | Pulverised solids | Temp: 0 - 40°C

Application: Mines & quarries | Construction | Hire fleets | Industry | Processing



NKZ	Impeller		Shaft seal	
	Open		Double mechanical	
Pump	Handle	Outlet	Pump casing	Oil casing
	Steel	Cast iron	Grey cast iron	Grey cast iron
	Impeller	Impeller(80H & 100H)	Agitator	Suction cover
	Ductile iron	Chromium iron	Ductile iron	Grey cast iron
	Suction cover(80H & 100H)	Shaft	Shaft seal	Lubrication
	Ductile iron	S/S 420J2	Silicon carbide	Oil
	Strainer			
	Steel			
Motor	Poles, protection	Insulation (100H)	Insulation	Thermal protection
	4 pole, IP68	Class B	Class E	Integral
	Starting	Motor head cover	Motor casing	Power cable (20mtr)
	D.O.L.	Grey cast iron	Grey cast iron	Rubber



NKZ3-C3

item code	model	Manual or Auto	outlet (BSPM)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1209	NKZ3-C3	M	3"	2.2	400	930	12.6	30	467x370x664	91
10-10-1009	NKZ3-D3	M	3"	3.7	400	1540	17	30	467x370x664	100
10-10-1018	NKZ3-80H	M	3"	5.5	400	1530	24.9	20	491x401x754	132
10-10-1205	NKZ3-100H	M	4"	11	400	2440	28.8	20	547x414x841	196

KRS2
AGITATOR



KRS2 models are three phase slurry pumps, in cast iron, with a built-in agitator to stir sand, bentonite and pulverized solids into suspension for pumping. Capable of pumping large volumes, motors are 4 pole for increased wear resistance, they have a generous solids capacity. Constructed in superior grade materials throughout, they give exceptional performance in harsh operating conditions. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position. The top discharge design forms a water and air-cooling channel and this, combined with a high-performance motor, enables long periods of operation in seepage conditions. Maintenance is straightforward, with simple replacement of parts, without the need for special tools. High-performance motors feature thermal protection, enabling simple installation and direct connection to the power supply.

Special use options: IDS (individually screened cable) is available on most models (Please request a quotation)



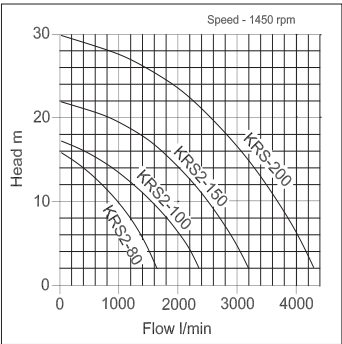
Fluid: Sand & silt carrying water | Ground water | Bentonite | Pulverised solids | Temp: 0 - 40°C

Application: Mines & quarries | Construction | Hire fleets | Industry | Processing

KRS2	Impeller	Shaft seal
	Open	Double mechanical

Pump	Handle	Outlet	Pump casing	Impeller
	Steel	Cast iron	Grey cast iron	Chromium iron
	Agitator	Suction cover	Shaft	Shaft seal
	Chromium iron	Chromium iron	S/S 420J2	Silicon carbide
	Lubrication	Strainer stand		
	Oil	Steel		

Motor	Poles, protection	Insulation	Insulation (KRS2-80)
	4 pole, IP68	Class B	Class E
	Thermal protection	Starting	Motor head cover
	Integral	D.O.L.	Grey cast iron
	Motor casing	Power cable (20mtr)	
	Grey cast iron	Rubber	



KRS2-100

item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1212	KRS2-80	M	75	4	400	1670	16	30	326x350x780	105
10-10-1001	KRS2-100	M	100	6	400	2350	17	30	373x415x773	145
10-10-1240	KRS2-150	M	150	9	400	3250	22	30	407x433x830	170
10-10-1239	KRS-200	M	200	18	400	4300	31	30	530x576x1181	395

GPN
AGITATOR



GPN models are three phase slurry pumps, in cast iron, with a built-in agitator to stir sand, bentonite and pulverized solids into suspension for pumping. Capable of pumping large volumes, motors are 4 pole or 6 pole for increased wear resistance and they have large solids capacity. Constructed in superior grade materials throughout, they give exceptional performance in harsh operating conditions. The hydraulic design features a double mechanical seal for maximum reliability. The spiral shape of the pump casing, the air and water channel around the motor and the air-release valve, all combine to provide smooth, anti-clog pumping. Maintenance is straightforward, with simple replacement of parts, without the need for special tools. High-performance motors feature thermal protection, enabling simple installation and direct connection to the power supply.

Special use options: IDS (individually screened cable) is available on most models (Please request a quotation)

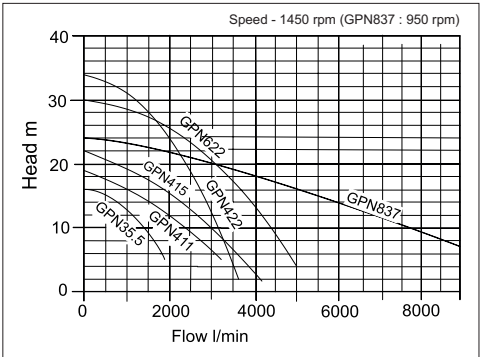
Fluid: Sand & silt carrying water | Ground water | Bentonite | Pulverised solids | Temp: 0 - 40°C

Application: Mines & quarries | Construction | Hire fleets | Industry | Processing

GPN	Impeller	Shaft seal
	Open	Double mechanical

Pump	Pump casing & outlet	Impeller	Agitator	Suction cover
	Grey cast iron	Chromium iron	Chromium iron	Grey cast-iron
	Shaft	Shaft seal	Lubrication	Strainer stand
	Chromoly steel	Silicon carbide	Oil	Steel

Motor	Poles, protection	Poles, protection (GPN837)	Insulation (GPN411-415)	Insulation (GPN35.5)
	4 pole, IP68	6 pole, IP68	Class B	Class E
	Insulation (GPN422-837)	Thermal protection	Starting	Starting
	Class F	Integral	D.O.L.	Star-delta
	Motor head cover	Motor casing	Power cable (20mtr)	
	Grey cast iron	Grey cast iron	Rubber	



GPN35.5

GPN622

item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1248	GPN35.5	M	75	5.5	400	1900	16	30	487x390x777	145
10-10-1107	GPN411	M	100	11	400	3250	19	30	617x450x860	217
10-10-1152	GPN415	M	100	15	400	4110	22	30	617x451x860	220
10-10-1008	GPN422	M	100	22	400	3700	34	30	725x572x1102	415
10-10-1165	GPN622	M	150	22	400	5000	30	30	725x572x1102	415
10-10-1340	GPN837	M	200	37	400	9010	24	30	749x1015x1606	815

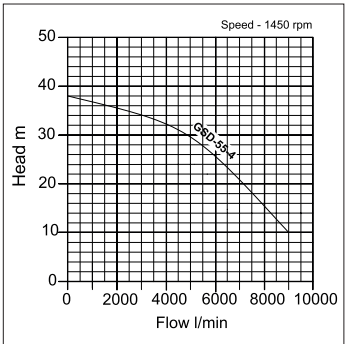
GSD
AGITATOR



The **GSD-55-4** is a three phase slurry pump, in cast iron, with a built-in agitator to stir sand, bentonite and pulverized solids into suspension for pumping. Generous solids capacity with a 4 pole motor, for increased wear resistance, it is also capable of pumping large volumes at a high head. Constructed in superior grade materials throughout, with high-performance motors, which give exceptional performance in harsh operating conditions. The hydraulic design features a double mechanical seal, with a patented oil lifter, for positive seal lubrication in any operating position. The spiral shape of the pump casing, the air and water channel around the motor and the air-release valve, all combine to provide smooth, anti-clog pumping. Maintenance is straightforward, with simple replacement of parts, without the need for special tools.

Fluid: Sand & silt carrying water | Ground water | Bentonite | Pulverised solids | Temp: 0 - 40°C

Application: Mines & quarries | Construction | Hire fleets | Industry | Processing



GSD-55-4	Impeller	Shaft seal
	Closed	Double mechanical

Pump	Outer cover	Pump casing & outlet	Impeller
	Steel	Grey cast iron	Chromium iron
	Agitator	Suction cover	Shaft
	Chromium iron	Grey cast iron	S/S 4202J2
	Shaft seal	Lubrication	Strainer stand
	Silicon carbide	Oil	Steel

Motor	Poles, protection	Insulation	Thermal protection	Starting
	4 pole, IP68	Class F	Integral	Star-delta
	Motor head cover	Motor casing	Power cable (20mtr)	
	Grey cast iron	Grey cast iron	Rubber	



GSD-55-4

item code	model	Manual or Auto	outlet (flange)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1341	GSD-55-4	M	250	55	400	9000	38	25	708x1050x1927	1215

STINGRAY • PONTOON

SUBMERSIBLE & SURFACE PUMPS



Stingray is a floatation system which offers a safe solution for the installation and retrieval of submersible pumps in deep water. Pumps are suspended from one or more foam filled floats, which are unsinkable when used within the specified weight limits and buoyancy rating. A pump is securely fixed to the float and can be installed by a crane or with a mobile cradle, with the alkathene pipe assisting entry, positioning and removal. There are three versions available, which are designed for Tsurumi pumps weighing from 20 to 50kgs, 50 to 150kgs and 150 to 1,200kgs.

Designed to keep water levels down during flooding incidents, supply large volumes of water during forest fires, aeration, irrigation and for pumping above sludge and agitated sediment in rivers, lakes and quarries.

Contact our sales department for more information and prices.



Pontoon is a floatation device for engine driven pumps, submersible pumps and surface pumps which weigh up to 100kg. A special insert can also be supplied, as an optional extra, to increase the buoyancy by another 80kg to support pumps up to 180kg. To increase buoyancy further, additional pontoons can be stacked, or linked together, to suspend heavier submersible pumps.

The body is manufactured in 7mm thick polyethylene and filled with solid foam to make it unsinkable when used within the specified weight limits. It is resistant to many chemicals and oils and resistant to ultraviolet light. Supplied with metal inserts to mount surface pumps or to suspend submersibles.

Designed to keep water levels down during flooding incidents, supply large volumes of water during forest fires, aeration, irrigation and for pumping above sludge and agitated sediment in rivers, lakes and quarries.



Pontoon



Insert



Foam filled body

item code	model	l x w x h (mm)	dry weight (kgs)
12-85-1020	Pontoon	1100x900x300	10.0
12-85-1036	Insert	800x800x260	2.8



SV

SOLIDS: 27mm to 37mm

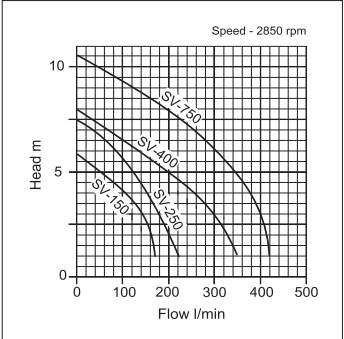
The **SV** series have vortex impellers and large pump casings for pumping light effluent, sewage and waste containing fibrous material, submerged debris and solids. Due to impeller material, **SV-150(A/V)** and **SV-250(A/V)** are suited to pumping soft and floating solids, but the **SV-400(A)** and **SV-750(A)** can pump hard solids and have base plates for portable use. For **SV-750** models, a 89mm lever lock connection kit with a galvanised iron extension pipe, is an optional extra. Available as manual or with a pendant float switch, for automatic operation. **SV-150(V)** and **SV-250(V)** have a tube type float switch for narrow sump applications. **SV** pumps are not recommended for ponds or water features.

Fluid: Water | Dirty water | Sewage | Water with suspended material | Temperature: 0 - 40°C

Application: Cellars | Sumps | Hire fleet | Effluent | Sewage

SV	Impeller	Shaft seal	Level switch (automatic)
	Vortex	Double mechanical	Pendant & tube (optional)

Pump	Handle (150-400)	Handle (750)	Outlet
	Nylon & glass fibre	Steel & rubber	Polypropylene
	Outlet flange (150 & 250)	Outlet flange (400 & 750)	Bearing housing (150-400)
	Polypropylene	Grey cast iron	Nylon & glass fibre
	Bearing housing (750)	Pump casing	Impeller (150 & 250)
	Grey cast iron	Grey cast iron	Nylon & glass fibre
	Impeller (400 & 750)	Shaft	Shaft seal
	Grey cast iron	S/S 410	Carbon ceramic & NBR
	Lubrication	Base plate (400 & 750)	Switch (automatic)
	Oil	Grey cast iron	Polypropylene



Motor	Poles, protection	Insulation	Thermal protection
	2 pole, IP68	Class B	Integral
	Starting	Head cover (150-400)	Head cover (750)
	Capacitor	Nylon & glass fibre	Grey cast iron
	Motor casing	Power cable (10mtr) & switch cable	
	S/S 304	rubber	



SV-150A



SV-150V



SV-400



Lever lock kit

item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	on level (mm)	off level (mm)	dry weight (kgs)
15-10-1050	SV-150A	A	32	0.15	230	170	5.7	27	145x205x390	345	100	8.00
15-10-1048	SV-150V	A(V)	32	0.15	230	170	5.7	27	200x205x390	230	130	8.00
15-10-1043	SV-250	M	32	0.25	230	220	7.5	27	145x205x390	-	-	9.20
15-10-1057	SV-250A	A	32	0.25	230	220	7.5	27	145x205x390	345 *	100 *	9.45
15-10-1110	SV-250V	A(V)	32	0.25	230	220	7.5	27	200x205x390	230	130	9.45
15-10-1018	SV-400	M	50	0.4	110	350	9	35	160x215x420	-	-	11.30
15-10-1028	SV-400	M	50	0.4	230	350	9	35	160x215x420	-	-	11.30
15-10-1070	SV-400A	A	50	0.4	110	350	9	35	160x215x420	385 *	150 *	11.55
15-10-1023	SV-400A	A	50	0.4	230	350	9	35	160x215x420	385 *	150 *	11.55
15-10-1081	SV-750	M	75	0.75	110	420	11	37	165x265x440	-	-	17.15
15-10-1016	SV-750	M	75	0.75	230	420	11	37	165x265x440	-	-	17.15
15-10-1031	SV-750A	A	75	0.75	110	420	11	37	165x265x440	415 *	170 *	17.40
15-10-1083	SV-750A	A	75	0.75	230	420	11	37	165x265x440	415 *	170 *	17.40
26-85-1000	SV750 3"/89mm Lever lock connection kit (male c/w male BSP lever lock coupling, galvanised pipe nipple, galvanised socket (pt no:130080-LLK)											

* APPROXIMATE LIQUID LEVEL

SUBMERSIBLE DRAINAGE & SEWAGE

UT

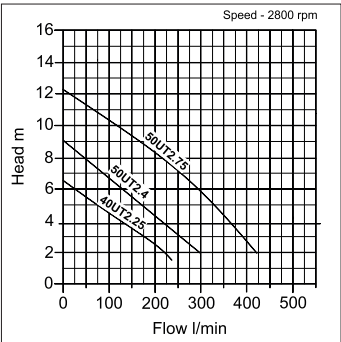
SOLIDS: 35mm



The **UT** series have vortex impellers and large pump casings, for pumping sewage and waste containing fibrous material, submerged debris and large solids. Construction is in cast iron and they are fitted with high-performance motors. Available as manual or with a pendant float switch, for automatic operation (230v only). An auto-coupling set is available as an optional extra to allow the fitting of guide rails on all models (see page 85). They are not recommended for ponds or water features.

Fluid: Water | Dirty water | Sewage | Water with suspended material | Temperature: 0 - 40°C

Application: Industry | Processing | Sewage | Final effluent | Fixed installations | Water features



UT	Impeller	Shaft seal	Level switch (automatic)	
	Vortex	Double mechanical	Pendant & tube (optional)	
Pump	Handle	Outlet	Pump casing & stand	Impeller
	Resin	Grey cast iron	Grey cast iron	GFRP
	Shaft	Shaft seal	Lubrication	Level switch
	S/S 403	Silicon carbide	Oil	Polypropylene
Motor	Poles, protection	Insulation	Thermal protection	Starting 1ph/3ph
	2 pole, IP68	Class E	Integral	Capacitor/D.O.L.
	Head cover	Motor casing	Power cable (10mtr) & switch cable	
	Grey cast iron	Grey cast iron	Rubber	



50UT2.4S Auto



50UT2.75



Auto Coupling

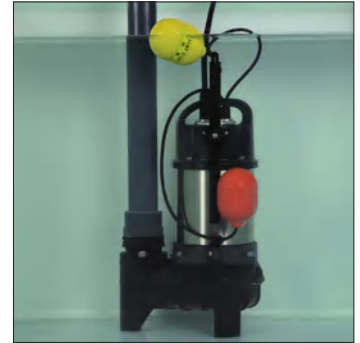
item code	model	Manual or Auto	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1270	40UT2.25S	M	1½"	0.25	230	230	6.5	35	161x239x350	14.0
10-10-1342	40UT2.25S	A	1½"	0.25	230	230	6.5	35	161x239x350	14.4
10-10-1302	40UT2.25	M	1½"	0.25	400	230	6.5	35	161x239x350	13.5
10-10-1284	50UT2.4S	M	2"	0.40	230	300	9.0	35	161x242x350	14.0
10-10-1343	50UT2.4S	A	2"	0.40	230	300	9.0	35	161x242x350	14.4
10-10-1307	50UT2.4	M	2"	0.40	400	300	9.0	35	161x242x350	13.5
10-10-1294	50UT2.75S	M	2"	0.75	230	440	12.5	35	161x242x406	17.0
10-10-1344	50UT2.75S	A	2"	0.75	230	440	12.5	35	161x242x406	17.4
10-10-1312	50UT2.75	M	2"	0.75	400	440	12.5	35	161x242x406	16.0
10-85-1043	Optional item: auto-coupling TOK4-A									3.5

**PU****SOLIDS: 35mm**

The **PU** series have vortex impellers and large pump casings, for pumping sewage and waste containing fibrous material, submerged debris and large solids. Construction is in stainless steel and thermoplastic and they are fitted with high-performance motors. Available as manual or with a twin ball float switch, for automatic operation, it is adjustable and features an integral transformer to give a safe low voltage of 24 volts at the float end. The floats have a rounded shape to minimise false starting of the motor caused by water turbulence. An auto-coupling set is available as an optional extra to allow the fitting of guide rails on all models. (See page 85)

Fluid: Water | Dirty water | Sewage | Water with suspended material | Temperature: 0 - 40°C

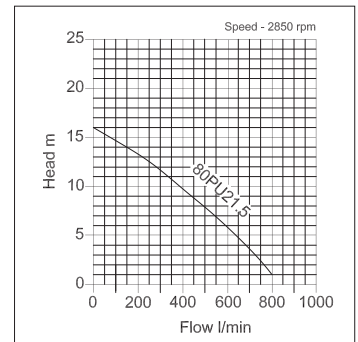
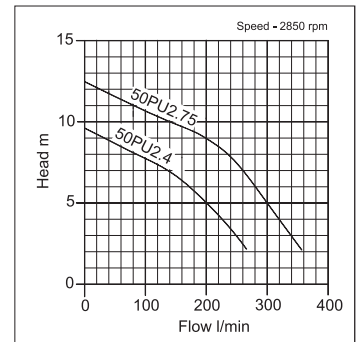
Application: Industry | Processing | Sewage | Final effluent | Fixed installations | Water features



PU	Impeller	Shaft seal	Level switch (automatic)
	Vortex	Double mechanical	Ball type float (optional)

Pump	Top cover & handle	Pump casing & outlet	Impeller	Shaft
	GFRP	GFRP	GFRP	Stainless steel 410S
	Shaft seal	Lubrication	Pump casing & stand	Level switch
	Silicon carbide	Oil	GFRP	ABS, PVC & Rubber

Motor	Poles, protection	Insulation	Thermal protection
	2 pole, IP68	Class E	Integral
	Starting 1ph/3ph	Motor casing	Power cable (10mtr) & switch cable
	Capacitor/D.O.L.	S/S 304	Rubber

**50PU2.4S****50PUA2.4S**

item code	model	Manual or Auto	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	on level (mm)	off level (mm)	dry weight (kgs)
10-10-1005	50PU2.4S	M	2"	0.4	110	270	9.5	35	162x236x360	-	-	9.5
10-10-1070	50PU2.4S	M	2"	0.4	230	270	9.5	35	162x236x360	-	-	9.5
10-10-1086	50PUA2.4S	A	2"	0.4	110	270	9.5	35	173x236x374	607	115	9.9
10-10-1120	50PUA2.4S	A	2"	0.4	230	270	9.5	35	173x236x374	607	115	9.9
10-10-1156	50PU2.4	M	2"	0.4	400	270	9.5	35	162x236x360	-	-	9.4
10-10-1164	50PUA2.4	A	2"	0.4	400	270	9.5	35	173x236x374	607	115	9.8
10-10-1189	50PU2.75S	M	2"	0.75	230	355	12.5	35	162x236x380	-	-	11.4
10-10-1139	50PUA2.75S	A	2"	0.75	230	355	12.5	35	173x236x394	627	115	11.9
10-10-1153	50PU2.75	M	2"	0.75	400	355	12.5	35	162x236x374	-	-	11.3
10-10-1111	50PUA2.75	A	2"	0.75	400	355	12.5	35	173x236x388	621	115	11.8
10-10-1235	80PU21.5	M	3"	1.5	400	800	16	35	295x196x475	-	-	18.8
10-85-1017	Optional item: auto-coupling TOK4-P (motor sizes 0.40kW to 0.75kW)											3.5
10-85-1019	Optional item: auto-coupling TOK2-65 (motor size 1.50kW)											4.9

SUBMERSIBLE SEWAGE

BCV (50mm)

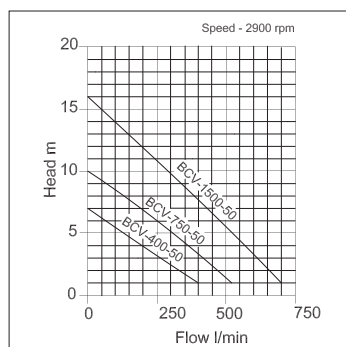
SOLIDS: 50mm



The **BCV** series with 50mm/2" outlet have vortex impellers and large pump casings, for pumping sewage and waste containing fibrous material, submerged debris and solids. Construction is in cast iron and stainless steel. High flow and large solids capacity are major features of these pumps. Standard discharge is 2" BSPF, with a 50mm hose tail, however **BCV-750-50** is also available with a round, horizontal flange to enable connection to other manufacturer's guide rail systems. Available as manual or with a pendant float switch, for automatic operation (230v only). They are not recommended for ponds or water features.

Fluid: Water | Dirty water | Sewage | Water with suspended material | Temperature: 0 - 40°C

Application: Industry | Agriculture | Sewage | Septic tanks



BCV (50mm)	Impeller	Shaft seal	Level switch (automatic)
	Vortex	Double mechanical	Pendant (optional)

Pump	Handle (400)	Handle (750)	Outlet	Bearing housing
	Nylon & glass fibre	Steel & rubber	Polypropylene	Grey cast iron
	Pump casing	Impeller	Shaft	Shaft seal
	Grey cast iron	Grey cast iron	S/S 410	Silicon carbide & NBR
	Lubrication		Switch (automatic)	
	Oil		Polypropylene	

Motor	Poles, protection	Insulation	Thermal protection
	2 pole, IP68	Class B	Integral
	Starting 1ph/3ph	Head cover (400)	Head cover (750)
	Capacitor/D.O.L.	Nylon & glass fibre	Grey cast iron
	Motor casing	Power cable (10mtr) & switch cable	
	S/S 304	Rubber	



BCV-400-50A



BCV-750-50



BCV-750-50-R

item code	model	Manual or Auto	outlet (mm/conn)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)	optional item 1 (auto-coupling)
15-10-1003	BCV-400-50	M	50	0.40	230	380	7.5	50	146x222x430	11.7	TOS-50H
15-10-1088	BCV-400-50	M	50	0.40	400	380	7.5	50	146x222x430	11.7	TOS-50H
15-10-1071	BCV-400-50A	A	50	0.40	110	380	7.5	50	146x222x430	11.8	TOS-50H
15-10-1102	BCV-400-50A	A	50	0.40	230	380	7.5	50	146x222x430	11.8	TOS-50H
15-10-1025	BCV-750-50	M	50	0.75	110	520	10	50	170x270x510	17.9	TOS-50H
15-10-1100	BCV-750-50	M	50	0.75	230	520	10	50	170x270x510	17.9	TOS-50H
15-10-1111	BCV-750-50-R	M	FLANGE	0.75	230	520	10	50	195x230x510	17.5	n/a
15-10-1017	BCV-750-50	M	50	0.75	400	520	10	50	170x270x510	17.9	TOS-50H
15-10-1115	BCV-750-50-R	M	FLANGE	0.75	400	520	10	50	195x230x510	17.5	n/a
15-10-1024	BCV-750-50A	A	50	0.75	110	520	10	50	170x270x510	18.2	TOS-50H
15-10-1080	BCV-750-50A	A	50	0.75	230	520	10	50	170x270x510	18.2	TOS-50H
15-10-1113	BCV-750-50A-R	A	FLANGE	0.75	230	520	10	50	195x230x510	17.7	n/a



BCV (3")

SOLIDS: 50mm - 80mm

The **BCV** series with 75mm/3" outlet have vortex impellers and large pump casings, for pumping sewage and waste containing fibrous material, submerged debris and solids. Construction is in cast iron and stainless steel. High flow and large solids capacity are major features of these pumps. Standard discharge is a square flange with a separate 3" BSPF elbow and a 75mm hose tail (both supplied) however **BCV-1500-50** is also available with a round, horizontal flange to enable connection to other manufacturer's guide rail systems. An auto-coupling set is available as an optional extra to allow the fitting of guide rails on all models. (See page 84). Available as manual or with a pendant float switch, for automatic operation (230v only). They are not recommended for ponds or water features.

Fluid: Water | Dirty water | Sewage | Water with suspended material | Temperature: 0 - 40°C

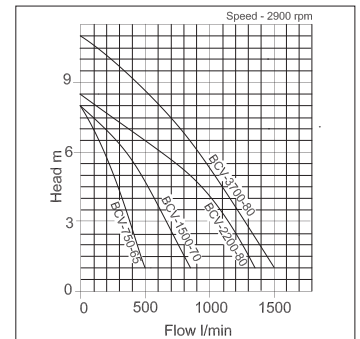
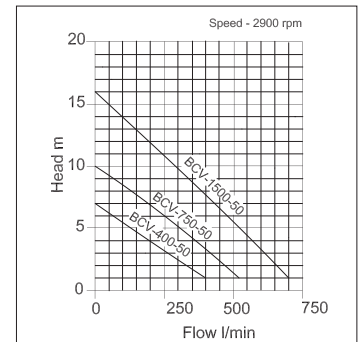
Application: Industry | Agriculture | Sewage treatment | Pumping stations



BCV (3")	Impeller	Shaft seal	Level switch (automatic)
	Vortex	Double mechanical	Pendant (optional)

Pump	Handle	Bearing housing	Pump case & outlet flange	Impeller
	Steel & rubber	Grey cast iron	Grey cast iron	Grey cast iron
	Shaft	Shaft seal	Lubrication	Switch (automatic)
	S/S 410	Silicon carbide & NBR	Oil	Polypropylene

Motor	Poles, protection	Insulation	Thermal protection	Starting 1ph/3ph
	2 pole, IP68	Class B	Integral	Capacitor/D.O.L.
	Head cover	Motor casing	Power cable (10mtr) & switch cable	
	Grey cast iron	S/S 304	Rubber	



BCV-2200-80A



BCV-1500-50-R



Auto Coupling

item code	model	Manual or Auto	outlet (BSPF/conn)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm) *inc elbow	dry weight (kgs)	optional item 1 (auto-coupling)
15-10-1014	BCV-750-65	M	3"	0.75	230	590	6	65	200x370x550	23.6	TOS-S3
15-10-1045	BCV-750-65	M	3"	0.75	400	590	6	65	200x370x550	23.6	TOS-S3
15-10-1035	BCV-750-65A	A	3"	0.75	230	590	6	65	152x274x480	24.6	TOS-S3
15-10-1087	BCV-1500-50	M	3"	1.50	230	700	16	50	210x387x560	33.3	TOS-S3
15-10-1112	BCV-1500-50-R	M	FLANGE	1.50	230	700	16	50	210x250x560	32.8	n/a
15-10-1072	BCV-1500-50	M	3"	1.50	400	700	16	50	210x387x560	33.3	TOS-S3
15-10-1116	BCV-1500-50-R	M	FLANGE	1.50	400	700	16	50	210x250x560	32.8	n/a
15-10-1002	BCV-1500-50A	A	3"	1.50	230	700	16	50	210x387x560	34.2	TOS-S3
15-10-1114	BCV-1500-50A-R	A	FLANGE	1.50	230	700	16	50	210x250x560	33.7	n/a
15-10-1052	BCV-1500-70	M	3"	1.50	230	850	8	70	220x390x620	33.3	TOS-L3 & TOS-L4
15-10-1059	BCV-1500-70	M	3"	1.50	400	850	8	70	220x390x620	33.3	TOS-L3 & TOS-L4
15-10-1033	BCV-1500-70A	A	3"	1.50	230	850	8	70	220x390x620	34.2	TOS-L3 & TOS-L4
15-10-1075	BCV-2200-80	M	3"	2.20	230	1350	8.5	80	245x490x690	71.1	TOS-L3 & TOS-L4
15-10-1089	BCV-2200-80	M	3"	2.20	400	1350	8.5	80	245x490x690	71.1	TOS-L3 & TOS-L4
15-10-1037	BCV-3700-80	M	3"	3.70	400	1500	11	80	245x490x690	81.4	TOS-L3 & TOS-L4

80U2

SOLIDS: 46mm to 56mm

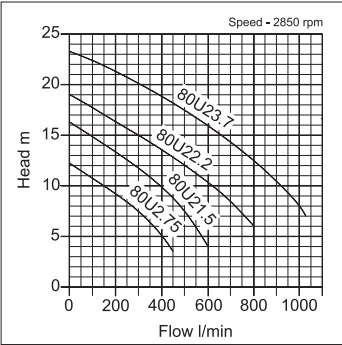


The **80U2** series have vortex impellers and wide pump casings, for pumping sewage and waste containing fibrous material, submerged debris and large solids. Construction is in cast iron and they are fitted with high-performance motors. Available in three-phase only. They are supplied with a bare delivery flange; elbows (for free-standing use) and auto-coupling sets (for guide rail applications), are optional extras (see page 85).

When a Tsurumi sewage pump is being selected as a replacement for an existing Flygt pump installation, a guide hook adaptor is available as an optional extra (see page 85). This is suitable for use with all 3" and 4" sewage pumps and permits retro-fitting a Tsurumi to existing Flygt guide rail installations.

Fluid: Water | Sewage | Water with suspended material | Temperature: 0 - 40°C

Application: Agriculture | Industry | Pumping stations | Sewage treatment



80U2	Impeller	Shaft seal
	Vortex	Double mechanical

Pump	Lifting eyes	Bearing housing	Impeller	Shaft (80U2.75)
	S/S 304	Grey cast iron	Grey cast iron	S/S 403
	Shaft	Shaft seal	Lubrication	Pump casing & stand
	S/S 4202J2	Silicon carbide	Oil	Grey cast iron

Motor	Poles, protection	Insulation (80U2.75)	Insulation	Thermal protection
	2 pole, IP68	Class E	Class F	Integral
	Starting	Motor casing	Power cable (10mtr)	
	D.O.L.	Grey cast iron	Rubber	



**Flygt guide
hook adaptor
(optional extra)**



**80U21.5
free-standing
(elbow is an optional extra)**

item code	model	bore (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm) *inc elbow	dry weight (kgs)	optional item 1 (elbow)	optional item 2 (auto-coupling)
10-10-1085	80U2.75	80	0.75	400	450	12	46	173x383x419	29	BEND 80	TOS3-65-80
10-10-1135	80U21.5	80	1.5	400	600	16	46	200x420x501	40	BEND 80	TOS3-65-80
10-10-1088	80U22.2	80	2.2	400	800	19	56	240x502x562	55	BEND 80	TOS3-65-80
10-10-1175	80U23.7	80	3.7	400	1025	23.5	56	234x502x565	62	BEND 80	TOS3-65-80

**UZ****SOLIDS: 50mm to 100mm**

The **UZ** series have vortex impellers and wide pump casings, for pumping large volumes of sewage and waste which contains fibrous material, submerged debris and very large solids. Construction is in cast iron and they are fitted with high-performance, 4 pole motors, to give improved longevity and wear resistance. Available in three-phase only. They are supplied with a bare delivery flange; elbows (for free-standing use) and auto-coupling sets (for guide rail applications), are optional extras (see page 85).

When a Tsurumi sewage pump is being selected as a replacement for an existing Flygt pump installation, a guide hook adaptor is available as an optional extra (see page 85). This is suitable for use with all 3" and 4" sewage pumps and permits retro-fitting a Tsurumi to existing Flygt guide rail installations.

Fluid: Water | Sewage | Water with suspended material | Temperature: 0 - 40°C

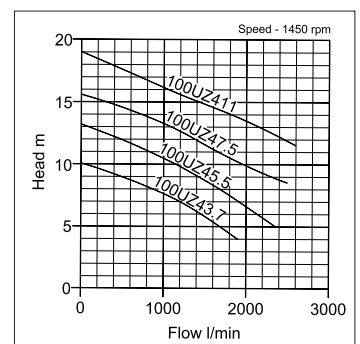
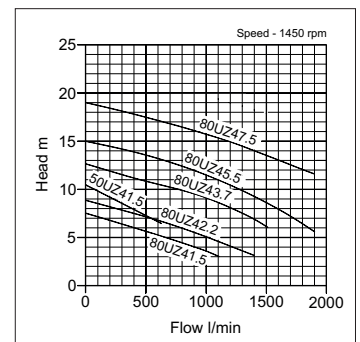
Application: Agriculture | Industry | Pumping stations | Sewage treatment



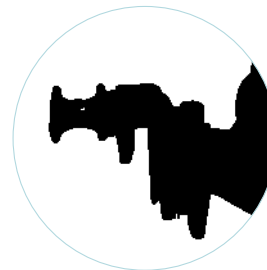
UZ	Impeller	Shaft seal
	Vortex	Double mechanical

Pump	Lifting eyes	Bearing housing	Impeller	Shaft
	S/S 304	Grey cast iron	Grey cast iron	S/S 4202J2
	Shaft seal	Lubrication	Pump casing & stand	
	Silicon carbide	Oil	Grey cast iron	

Motor	Poles, protection	Insulation (80U2.75)	Insulation	Thermal protection
	2 pole, IP68	Class E	Class F	Integral
	Starting	Starting (11kW)	Motor casing	Power cable (10mtr)
	D.O.L.	Star-delta	Grey cast iron	Rubber



100UZ43.7
free-standing
(elbow is an optional extra)



Flygt guide hook adaptor
(optional extra)

item code	model	bore (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm) *inc elbow	dry weight (kgs)	optional item 1 (elbow)	optional item 2 (auto-coupling)
10-10-1271	50UZ41.5	50	1.5	400	640	10.2	50	250x405x566	52	BEND 50	TOS3-50
10-10-1190	80UZ41.5	80	1.5	400	1100	7.5	80	261x531x637	66	BEND 80 80	TOS3-80-80
10-10-1251	80UZ42.2	80	2.2	400	1400	9	80	261x531x637	66	BEND 80 80	TOS3-80-80
10-10-1198	80UZ43.7	80	3.7	400	1500	12.5	80	291x557x688	72	BEND 80 80	TOS3-80-80
10-10-1023	100UZ43.7	100	3.7	400	1900	10	100	314x628x737	79	BEND 100 100	TOS3-100-100
10-10-1034	80UZ45.5	80	5.5	400	1900	15	80	358x595x899	129	BEND 80 80	TOS3-80-80
10-10-1045	100UZ45.5	100	5.5	400	2350	13	100	358x652x939	145	BEND 100 100	TOS3-100-100
10-10-1099	80UZ47.5	80	7.5	400	1900	19	80	358x595x920	142	BEND 80 80	TOS3-80-80
10-10-1075	100UZ47.5	100	7.5	400	2500	15.5	100	358x652x960	158	BEND 100 100	TOS3-100-100
10-10-1048	100UZ411	100	11	400	2600	19	100	358x660x1021	178	BEND 100 100	TOS3-100-100

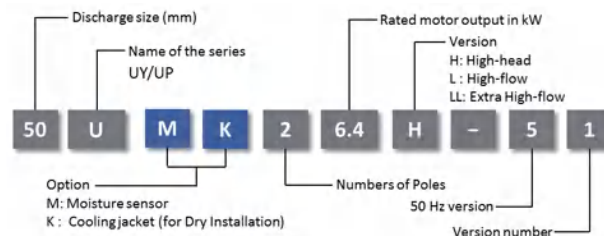
UY & UP

SOLIDS: 80mm to 100mm



The **UY & UP** series are vortex impeller pumps from Tsurumi Manufacturing of Japan which are part of a wastewater range of pumps with DIN flanges and motor sizes from 0.15kW up to 160kW. The series comprises submersible pumps constructed in grey cast iron that can be installed free-standing or for guide rails. The vortex impeller ensures that the wastewater can flow without clogging while pumping large or stringy material. Depending on their output, the motors are equipped with direct or star-delta starters. They have double slide ring seals on the inside, encapsulated ball bearings, thermal protection and individually cast electrical conductors. Available options are dry mounting, oil chamber sensors, ATEX and auto-coupling kits for guide rail mounting. They can also be combined with frequency converters to adapt to the mains supply. **UP** models have highly energy efficient motors that are comparable to the IE3 standards for motors of surface mounted pumps.

The range is summarised on the following pages. Please contact our sales department with details of your pumping application and we will offer our quotation accordingly.

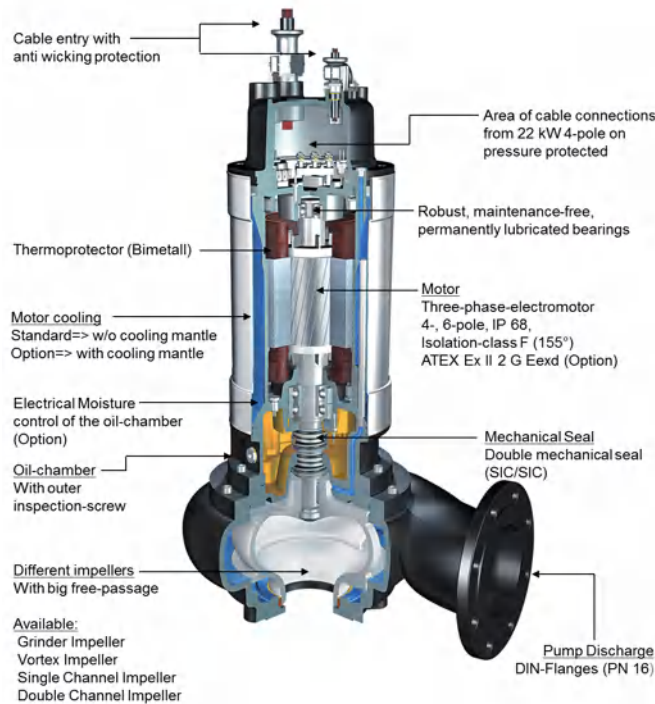


model	outlet (mm)	kW	poles	starting method	flow (l/min)	head (mtrs)	free passage (mm)
80UPZM42.9LL -51	80	2.9	4	Direct on Line	1005	8.4	80
80UPZXM42.9LL -51	80	2.9	4	Direct on Line	1005	8.4	80
80UYZM41.3 -51	80	1.3	4	Direct on Line	1005	8.4	80
80UYZXM41.3 -51	80	1.3	4	Direct on Line	1005	8.4	80
100UYXM43.7H -51	100	3.7	4	Direct on Line	1173	14.6	80
100UYZXM43.7H -51	100	3.7	4	Star-Delta	1173	14.6	80
80UPZXM42.9L -51	80	2.9	4	Direct on Line	1333	10.8	80
80UYZM42.6L -51	80	2.6	4	Direct on Line	1333	10.8	80
80UYZXM42.6L -51	80	2.6	4	Direct on Line	1333	10.8	80
80UPZM43.7H -51	80	3.7	4	Direct on Line	1413	14.7	80
80UPZXM43.7H -51	80	3.7	4	Star-Delta	1413	14.7	80
80UPZXM43.7H -51	80	3.7	4	Direct on Line	1413	14.7	80
80UPZXM43.7H -51 4	80	3.7	4	Star-Delta	1413	14.7	80
80UYZM43.7H -51	80	3.7	4	Direct on Line	1413	14.7	80
80UYZXM43.7H -51	80	3.7	4	Star-Delta	1413	14.7	80
80UYZXM43.7H -51	80	3.7	4	Direct on Line	1413	14.7	80
80UYZXM43.7H -51	80	3.7	4	Star-Delta	1413	14.7	80
80UYZXM43.7H -51	80	3.7	4	Direct on Line	1413	14.7	80
80UYZXM43.7H -51	80	3.7	4	Star-Delta	1413	14.7	80
80UYZM211.5 -51	80	11.5	2	Star-Delta	1464	35.5	80
80UPZM211.5 -51	80	11.5	2	Star-Delta	1464	35.5	80
80UPZM42.9 -51	80	2.9	4	Direct on Line	1550	12.8	80
80UYZM42.6 -51	80	2.6	4	Direct on Line	1550	12.8	80
80UYZXM42.6 -51	80	2.6	4	Direct on Line	1550	12.8	80
80UPZM45.0 -51	80	5.0	4	Star-Delta	1967	14.7	80
80UPZXM45.0 -51 4	80	5.0	4	Star-Delta	1967	14.7	80
80UYZM45.0 -51	80	5.0	4	Star-Delta	1967	14.7	80
80UYZXM45.0 -51	80	5.0	4	Star-Delta	1967	14.7	80
100UYXM45.0 -51	100	5.0	4	Star-Delta	1967	14.6	80
100UPZM43.7 -51	100	3.7	4	Direct on Line	2000	10.8	100
100UPZXM43.7 -51	100	3.7	4	Star-Delta	2000	10.8	100
100UPZXM43.7 -51	100	3.7	4	Direct on Line	2000	10.8	100



UY & UP

SOLIDS: 80mm to 100mm



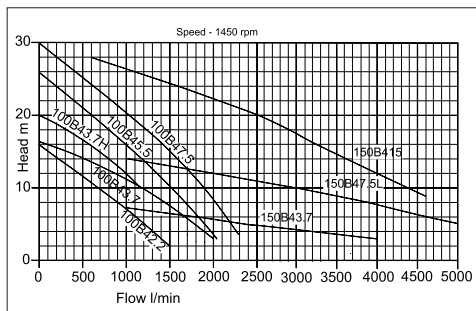
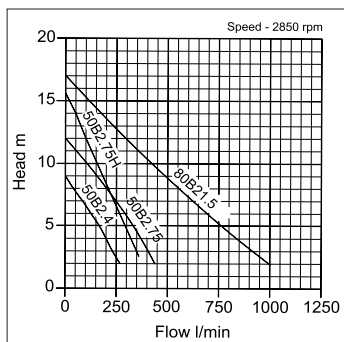
model	outlet (mm)	kW	poles	starting method	flow (l/min)	head (mtrs)	free passage (mm)
100UPZXM43.7 -51	100	3.7	4	Star-Delta	2000	10.8	100
100UYZM43.2 -51	100	3.2	4	Direct on Line	2000	10.8	100
100UYZM43.2 -51	100	3.2	4	Star-Delta	2000	10.8	100
100UYZXM43.2 -51	100	3.2	4	Direct on Line	2000	10.8	100
100UYZXM43.2 -51	100	3.2	4	Star-Delta	2000	10.8	100
80UPZM46.5 -51	80	6.5	4	Star-Delta	2217	17.2	80
100UPM46.5 -51	100	6.5	4	Star-Delta	2217	16.3	80
80UPZXM46.5 -51	80	6.5	4	Star-Delta	2217	17.2	80
80UYZM46.5 -51	80	6.5	4	Star-Delta	2217	17.2	80
80UYZXM46.5 -51	80	6.5	4	Star-Delta	2217	17.2	80
100UPZM45.0 -51	100	5.0	4	Star-Delta	2433	12.2	100
100UPZXM45.0 -51	100	5.0	4	Star-Delta	2433	12.2	100
100UYZM45.0 -51	100	5.0	4	Star-Delta	2433	12.2	100
100UYZXM45.0 -51	100	5.0	4	Star-Delta	2433	12.2	100
100UPZM46.5 -51	100	6.5	4	Star-Delta	2833	13.8	100
100UPZXM46.5 -51	100	6.5	4	Star-Delta	2833	13.8	100
100UYZM46.5 -51	100	6.5	4	Star-Delta	2833	13.8	100
100UYZXM46.5 -51	100	6.5	4	Star-Delta	2833	13.8	100
100UPZM48.5 -51	100	8.5	4	Star-Delta	3033	16.0	100
100UPZXM48.5 -51	100	8.5	4	Star-Delta	3033	16.0	100
100UYZM412.2 -51	100	12.2	4	Star-Delta	3333	20.8	100
100UYZXM412.2 -51	100	12.2	4	Star-Delta	3333	20.8	100
100UYZXM412.2 -51	100	12.2	4	Star-Delta	3333	20.8	100
100UYZXM412.2 -51	100	12.2	4	Star-Delta	3333	20.8	100
100UYZM414.6 -51	100	14.6	4	Star-Delta	3500	22.7	100
100UYZXM414.6 -51	100	14.6	4	Star-Delta	3500	22.7	100
100UYZXM414.6 -51	100	14.6	4	Star-Delta	3500	22.7	100
100UYZXM414.6 -51	100	14.6	4	Star-Delta	3500	22.7	100
100UYZM419.3 -51	100	19.3	4	Star-Delta	3800	26.8	100
100UYZXM419.3 -51	100	19.3	4	Star-Delta	3800	26.8	100
100UYZXM419.3 -51	100	19.3	4	Star-Delta	3800	26.8	100
100UYZXM419.3 -51	100	19.3	4	Star-Delta	3800	26.8	100

SOLIDS: 19mm to 75mm



When a Tsurumi sewage pump is being selected as a replacement for an existing Flygt pump installation, a guide hook adaptor is available as an optional extra (see page 85). This is suitable for use with all 3" and 4" sewage pumps and permits retro-fitting a Tsurumi to existing Flygt guide rail installations.

Application: Industry | Pumping stations | Sewage treatment | Food processing



B	Impeller	Shaft seal
	Single channel (Dual channel: 5.5 - 15kW)	Double mechanical

Pump	Lifting eyes	Bearing housing	Impeller	Suction cover
	S/S 304	Grey cast iron	Grey cast iron	Ductile iron
	Suction cover (0.75-15kW)	Shaft	Shaft (1.5 - 3.7kW)	Shaft seal
	Grey cast iron	S/S 403	S/S 4202j2	Silicon carbide
	Lubrication	Stand (0.75-1.5kW + 5.5-15kW)		Stand (2.2-3.7kW)
	Oil	Ductile iron		Steel

Motor	Poles, protection (0.75 - 1.5)	Poles, protection	Insulation	Insulation (1.5, 5.5 - 15kW)
	2 pole, IP68	4 pole, IP68	Class E	Class F
	Thermal protection	Starting	Starting (11kW)	Motor casing
	Integral	D.O.L.	Star-delta	Grey cast iron
	Power cable (10mtr)			
	Rubber			



Flygt guide hook adaptor
(optional extra)



80B21.5 free-standing
(elbow is an optional extra)

item code	model	bore (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm) *inc elbow	dry weight (kgs)	optional item 1 (elbow)	optional item 2 (auto-coupling)
10-10-1285	50B2.4	50	0.4	400	265	9	19	224x347x443	23	BEND 50	TOS3-50
10-10-1295	50B2.75H	50	0.75	400	365	15.5	20	250x405x415	25	BEND 50	TOS3-50
10-10-1121	50B2.75	50	0.75	400	440	12	20	250x405x436	25	BEND 50	TOS3-50
10-10-1117	80B21.5	80	1.5	400	1000	17	40	250x446x536	36	BEND 80	TOS3-80-80
10-10-1230	100B42.2	100	2.2	400	1500	16	45	331x569x616	70	BEND 80-100	TOS3-80-100
10-10-1211	100B43.7	100	3.7	400	2000	16	53	339x575x690	86	BEND 80-100	TOS3-80-100
10-10-1090	100B43.7H	100	3.7	400	1150	20	35	331x569x666	84	BEND 80-100	TOS3-80-100
10-10-1303	150B43.7	150	3.7	400	4000	7	53	486x871x875	145	BEND 150-150	TOS-150A
10-10-1036	100B45.5	100	5.5	400	2050	26	40	400x687x824	147	BEND 100-100	TOS3-100-100
10-10-1025	100B47.5	100	7.5	400	2260	30	40	400x687x814	169	BEND 100-100	TOS3-100-100
10-10-1308	150B47.5L	150	7.5	400	5000	14	60	486x871x1085	200	BEND 150-150	TOS-150A
10-10-1313	150B415	150	15	400	4500	28	75	490x895x1168	270	BEND 150-150	TOS-150A

**BZ****SOLIDS: 80mm**

The **BZ** series have shrouded channel impellers and wide pump casings, for pumping large volumes of sewage and waste which contains fibrous material, submerged debris and very large solids. Construction is in cast iron and they are fitted with high-performance, 4 pole motors, to give improved longevity and wear resistance. Available in three-phase only. They are supplied with a bare delivery flange; elbows (for free-standing use) and auto-coupling sets (for guide rail applications), are optional extras (see page 85).

When a Tsurumi sewage pump is being selected as a replacement for an existing Flygt pump installation, a guide hook adaptor is available as an optional extra (see page 85). This is suitable for use with all 3" and 4" sewage pumps and permits retro-fitting a Tsurumi to existing Flygt guide rail installations.

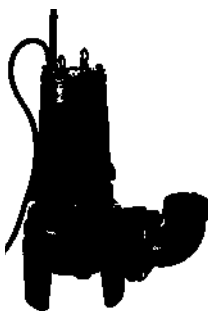
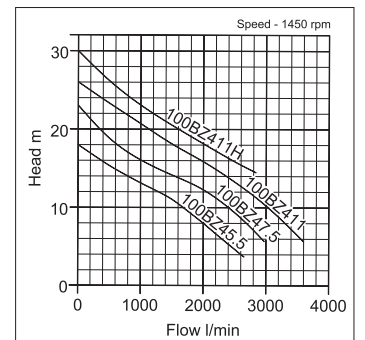
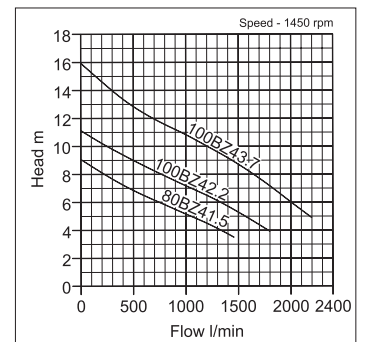
Fluid: Water | Sewage | Water with suspended material | Temperature: 0 - 40°C

Application: Industry | Pumping stations | Sewage treatment | Food processing

BZ	Impeller	Shaft seal
	Single channel	Double mechanical

Pump	Lifting eyes	Bearing housing	Impeller
	S/S 304	Grey cast iron	Grey cast iron
	Suction cover (5.5 - 11kW)	Shaft	Shaft seal
	Grey cast iron	S/S 4202J2	Silicon carbide
	Lubrication	Pump casing & stand	Stand (5.5 - 11kW)
	Oil	Grey cast iron	Grey cast iron

Motor	Poles, protection	Insulation	Thermal protection	Starting
	4 pole, IP68	Class F	Integral	D.O.L.
	Starting (11kW)	Motor casing	Power cable (10mtr)	
	Star-delta	Grey cast iron	Rubber	



80BZ41.5
free-standing
(elbow is an optional extra)



Flygt guide
hook adaptor
(optional extra)

item code	model	bore (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm) *inc elbow	dry weight (kgs)	optional item 1 (elbow)	optional item 2 (auto-coupling)
10-10-1169	80BZ41.5	80mm	1.5	400	1450	9	80	273x523x631	78	BEND 80	TOS3-80-80
10-10-1207	100BZ42.2	100mm	2.2	400	1800	11	80	273x551x631	80	BEND 80-100	TOS3-80-100
10-10-1082	100BZ43.7	100mm	3.7	400	2200	16	80	289x584x681	100	BEND 80-100	TOS3-80-100
10-10-1004	100BZ45.5	100mm	5.5	400	2650	18	80	421x716x925	175	BEND 100-100	TOS3-100-100
10-10-1187	100BZ47.5	100mm	7.5	400	2950	23	80	421x716x946	194	BEND 100-100	TOS3-100-100
10-10-1254	100BZ411H	100mm	11	400	2850	30	80	431x727x1023	219	BEND 100-100	TOS3-100-100
10-10-1032	100BZ411	100mm	11	400	3600	27	80	431x727x1023	219	BEND 100-100	TOS3-100-100

BY & BP

SOLIDS: 80mm



The **BY & BP** series are channel impeller pumps from Tsurumi Manufacturing of Japan which are part of a wastewater range of pumps with DIN flanges and motor sizes from 0.15kW up to 160kW. The series comprises submersible pumps constructed in grey cast iron that can be installed free-standing or for guide rails. The channel impeller gives substantial flows and heads while ensuring that the wastewater can flow without clogging. Depending on their output, the motors are equipped with direct or star-delta starters. They have double slide ring seals on the inside, encapsulated ball bearings, thermal protection and individually cast electrical conductors. Available options are dry mounting, oil chamber sensors, ATEX and auto-coupling kits for guide rail mounting. They can also be combined with frequency converters to adapt to the mains supply. **BP** models have highly energy efficient motors that are comparable to the IE3 standards for motors of surface mounted pumps.

The range is summarised on the following pages. Please contact our sales department with details of your pumping application and we will offer our quotation accordingly.



BPM & BP2M



BY & BYM



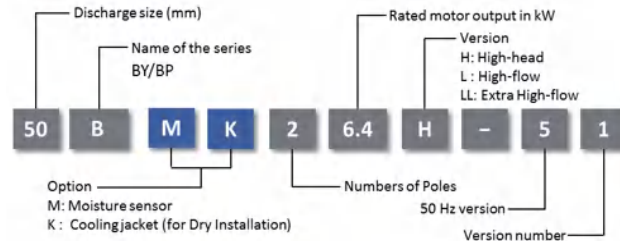
BY & BYM

model	outlet (mm)	kW	starting method	flow (l/min)	head (mtrs)	free passage (mm)	dry mounted
100BYM41.3 -51	100	1.3	Direct on Line	1387	7.0	80	-
100BYXM41.3 -51	100	1.3	Direct on Line	1387	7.0	80	-
80BYZM43.7H -51	80	3.7	Direct on Line	1444	16.1	80	-
80BYZM43.7H -51	80	3.7	Star-Delta	1444	16.1	80	-
80BPM43.7H -51	80	3.7	Direct on Line	1444	16.1	80	•
80BPM43.7H -51	80	3.7	Star-Delta	1444	16.1	80	•
100BYM43.7H -51	100	3.7	Direct on Line	1444	16.1	80	-
100BYM43.7H -51	100	3.7	Star-Delta	1444	16.1	80	-
100BPM43.7H -51	100	3.7	Direct on Line	1444	16.1	80	•
100BPM43.7H -51	100	3.7	Star-Delta	1444	16.1	80	•
80BYZXM43.7H -51	80	3.7	Direct on Line	1444	16.1	80	-
80BYZXM43.7H -51	80	3.7	Star-Delta	1444	16.1	80	-
80BPZXM43.7H -51	80	3.7	Direct on Line	1444	16.1	80	•
80BPZXM43.7H -51	80	3.7	Star-Delta	1444	16.1	80	•
100BYXM43.7H -51	100	3.7	Direct on Line	1444	16.1	80	-
100BYXM43.7H -51	100	3.7	Star-Delta	1444	16.1	80	-
100BPM43.7H -51	100	3.7	Direct on Line	1444	16.1	80	•
100BPM43.7H -51	100	3.7	Star-Delta	1444	16.1	80	•



BY & BP

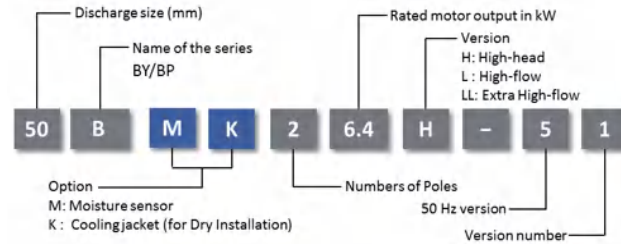
SOLIDS: 80mm - 100mm



model	outlet (mm)	kW	starting method	flow (l/min)	head (mtrs)	free passage (mm)	dry mounted
80BYZM41.3 -51	80	1.3	Direct on Line	1463	7.0	80	-
80BYZM41.3 -51	80	1.3	Direct on Line	1463	7.0	80	-
80BYZM42.6LL -51	80	2.6	Direct on Line	1577	8.3	80	-
80BYZM42.6LL -51	80	2.6	Direct on Line	1577	8.3	80	-
100BYM42.6LL -51	100	2.6	Direct on Line	1583	8.4	80	-
100BYM42.6LL -51	100	2.6	Direct on Line	1583	8.4	80	-
80BYZM42.6L -51	80	2.6	Direct on Line	1833	10.9	80	-
80BPZM42.9LL -51	80	2.9	Direct on Line	1833	10.9	80	•
100BYM42.6L -51	100	2.6	Direct on Line	1833	11.1	80	-
100BPM42.9LL -51	100	2.9	Direct on Line	1833	11.1	80	•
80BYZM42.6L -51	80	2.6	Direct on Line	1833	10.9	80	-
80BPZM42.9LL -51	80	2.9	Direct on Line	1833	10.9	80	•
100BYM42.6L -51	100	2.6	Direct on Line	1833	11.1	80	-
100BPM42.9LL -51	100	2.9	Direct on Line	1833	11.1	80	•
100BYZM43.7H -51	100	3.7	Direct on Line	1863	12.6	100	-
100BYZM43.7H -51	100	3.7	Star-Delta	1863	12.6	100	-
100BPZM43.7H -51	100	3.7	Direct on Line	1863	12.6	100	•
100BPZM43.7H -51	100	3.7	Star-Delta	1863	12.6	100	•
100BYZM43.7H -51	100	3.7	Direct on Line	1863	12.6	100	-
100BYZM43.7H -51	100	3.7	Star-Delta	1863	12.6	100	-
100BPZM43.7H -51	100	3.7	Direct on Line	1863	12.6	100	•
100BPZM43.7H -51	100	3.7	Star-Delta	1863	12.6	100	•
80BYZM42.6 -51	80	2.6	Direct on Line	2000	12.6	80	-
80BPZM42.9L -51	80	2.9	Direct on Line	2000	12.6	80	•
100BYM42.6 -51	100	2.6	Direct on Line	2000	12.8	80	-
100BPM42.9L -51	100	2.9	Direct on Line	2000	12.8	80	•
80BYZM42.6 -51	80	2.6	Direct on Line	2000	12.6	80	-
80BPZM42.9L -51	80	2.9	Direct on Line	2000	12.6	80	•
100BYM42.6 -51	100	2.6	Direct on Line	2000	12.8	80	-
100BPM42.9L -51	100	2.9	Direct on Line	2000	12.8	80	•
100BYM46.5H -51	100	6.5	Star-Delta	2033	22.1	80	-
100BPM46.5H -51	100	6.5	Star-Delta	2033	22.1	80	•
100BYM46.5H -51	100	6.5	Star-Delta	2033	22.1	80	-
100BPM46.5H -51	100	6.5	Star-Delta	2033	22.1	80	•
80BYZM42.9 -51	80	2.9	Direct on Line	2367	12.4	80	-
80BPZM42.9 -51	80	2.9	Direct on Line	2367	12.4	80	•
100BYM42.9 -51	100	2.9	Direct on Line	2367	12.4	80	-
100BPM42.9 -51	100	2.9	Direct on Line	2367	12.4	80	•
80BYZM42.9 -51	80	2.9	Direct on Line	2367	12.4	80	-
80BPZM42.9 -51	80	2.9	Direct on Line	2367	12.4	80	•
100BYM42.9 -51	100	2.9	Direct on Line	2367	12.4	80	-
100BPM42.9 -51	100	2.9	Direct on Line	2367	12.4	80	•

BY & BP

SOLIDS: 80mm - 100mm

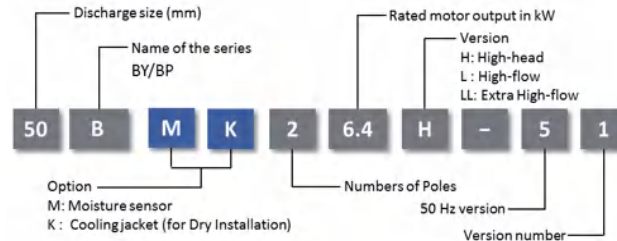


model	outlet (mm)	kW	starting method	flow (l/min)	head (mtrs)	free passage (mm)	dry mounted
100BYZM42.9 -51	100	2.9	Direct on Line	2448	9.2	100	-
100BPZM42.9 -51	100	2.9	Direct on Line	2448	9.2	100	•
100BYZM42.9 -51	100	2.9	Direct on Line	2448	9.2	100	-
100BPZM42.9 -51	100	2.9	Direct on Line	2448	9.2	100	•
100BYZM43.7 -51	100	3.7	Direct on Line	2500	11.7	100	-
100BYZM43.7 -51	100	3.7	Star-Delta	2500	11.7	100	-
100BPZM43.7 -51	100	3.7	Direct on Line	2500	11.7	100	•
100BPZM43.7 -51	100	3.7	Star-Delta	2500	11.7	100	•
100BYZXM43.7 -51	100	3.7	Direct on Line	2500	11.7	100	-
100BYZXM43.7 -51	100	3.7	Star-Delta	2500	11.7	100	-
100BPZXM43.7 -51	100	3.7	Direct on Line	2500	11.7	100	•
100BPZXM43.7 -51	100	3.7	Star-Delta	2500	11.7	100	•
80BYZM43.7 -51	80	3.7	Direct on Line	2583	14.4	80	-
80BYZM43.7 -51	80	3.7	Star-Delta	2583	14.4	80	-
80BPZM43.7 -51	80	3.7	Direct on Line	2583	14.4	80	•
80BPZM43.7 -51	80	3.7	Star-Delta	2583	14.4	80	•
100BYM43.7 -51	100	3.7	Direct on Line	2583	14.4	80	-
100BYM43.7 -51	100	3.7	Star-Delta	2583	14.4	80	-
100BPM43.7 -51	100	3.7	Direct on Line	2583	14.4	80	•
100BPM43.7 -51	100	3.7	Star-Delta	2583	14.4	80	•
80BYZXM43.7 -51	80	3.7	Direct on Line	2583	14.4	80	-
80BYZXM43.7 -51	80	3.7	Star-Delta	2583	14.4	80	-
80BPZXM43.7 -51	80	3.7	Direct on Line	2583	14.4	80	•
80BPZXM43.7 -51	80	3.7	Star-Delta	2583	14.4	80	•
100BYXM43.7 -51	100	3.7	Direct on Line	2583	14.4	80	-
100BYXM43.7 -51	100	3.7	Star-Delta	2583	14.4	80	-
100BPXM43.7 -51	100	3.7	Direct on Line	2583	14.4	80	•
100BPXM43.7 -51	100	3.7	Star-Delta	2583	14.4	80	•
80BYZM45.0 -51	80	5.0	Star-Delta	2817	16.1	80	-
80BPZM45.0 -51	80	5.0	Star-Delta	2817	16.1	80	•
100BYM45.0 -51	100	5.0	Star-Delta	2817	16.1	80	-
100BPM45.0 -51	100	5.0	Star-Delta	2817	16.1	80	•
80BYZXM45.0 -51	80	5.0	Star-Delta	2817	16.1	80	-
80BPZXM45.0 -51	80	5.0	Star-Delta	2817	16.1	80	•
100BYXM45.0 -51	100	5.0	Star-Delta	2817	16.1	80	-
100BPXM45.0 -51	100	5.0	Star-Delta	2817	16.1	80	•
150BPM48.5 -51	150	8.5	Star-Delta	2935	18.3	100	•
150BPXM48.5 -51	150	8.5	Star-Delta	2935	18.3	100	•
100BYZM45.0L -51	100	5.0	Star-Delta	2950	12.6	100	-
100BPZM45.0L -51	100	5.0	Star-Delta	2950	12.6	100	•
100BYZXM45.0L -51	100	5.0	Star-Delta	2950	12.6	100	-
100BPZXM45.0L -51	100	5.0	Star-Delta	2950	12.6	100	•



BY & BP

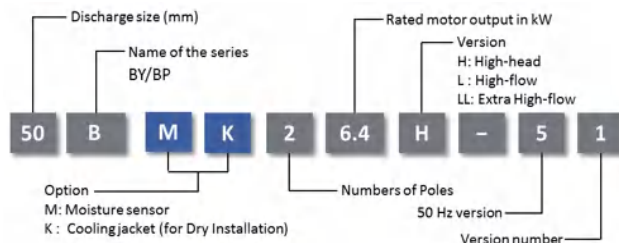
SOLIDS: 80mm - 100mm



model	outlet (mm)	kW	starting method	flow (l/min)	head (mtrs)	free passage (mm)	dry mounted
100BPZM48.5H -51	100	8.5	Star-Delta	2970	18.9	100	•
100BPZXM48.5H -51	100	8.5	Star-Delta	2970	18.9	100	•
80BYZM46.5 -51	80	6.5	Star-Delta	3067	18.0	80	-
80BPZM46.5 -51	80	6.5	Star-Delta	3067	18.0	80	•
100BYM46.5 -51	100	6.5	Star-Delta	3067	18.0	80	-
100BPM46.5 -51	100	6.5	Star-Delta	3067	18.0	80	•
80BYZXM46.5 -51	80	6.5	Star-Delta	3067	18.0	80	-
80BPZXM46.5 -51	80	6.5	Star-Delta	3067	18.0	80	•
100BYXM46.5 -51	100	6.5	Star-Delta	3067	18.0	80	-
100BPXM46.5 -51	100	6.5	Star-Delta	3067	18.0	80	•
100BPM48.5 -51	100	8.5	Star-Delta	3250	23.9	80	•
100BPXM48.5 -51	100	8.5	Star-Delta	3250	23.9	80	•
100BYZM45.0 -51	100	5.0	Star-Delta	3367	14.4	100	-
100BPZM45.0 -51	100	5.0	Star-Delta	3367	14.4	100	•
100BYZXM45.0 -51	100	5.0	Star-Delta	3367	14.4	100	-
100BPZXM45.0 -51	100	5.0	Star-Delta	3367	14.4	100	•
100BYZM46.5 -51	100	6.5	Star-Delta	3750	16.3	100	-
100BPZM46.5 -51	100	6.5	Star-Delta	3750	16.3	100	•
100BYZXM46.5 -51	100	6.5	Star-Delta	3750	16.3	100	-
100BPZXM46.5 -51	100	6.5	Star-Delta	3750	16.3	100	•
100BPZXM46.5 -51	100	6.5	Star-Delta	3750	16.3	100	•
100BYZM412.2L -51	100	12.2	Star-Delta	4333	18.9	100	-
100BYZMK412.2L -51	100	12.2	Star-Delta	4333	18.9	100	•
100BYZXM412.2L -51	100	12.2	Star-Delta	4333	18.9	100	-
100BYZMK412.2L -51	100	12.2	Star-Delta	4333	18.9	100	•
150BYM414.6 -51	150	14.6	Star-Delta	4504	25.1	100	-
150BYMK414.6 -51	150	14.6	Star-Delta	4504	25.1	100	•
150BYXM414.6 -51	150	14.6	Star-Delta	4504	25.1	100	-
150BYXMK414.6 -51	150	14.6	Star-Delta	4504	25.1	100	•
100BYZM412.2 -51	100	12.2	Star-Delta	4997	22.5	100	-
100BYZMK412.2 -51	100	12.2	Star-Delta	4997	22.5	100	•
100BYZXM412.2 -51	100	12.2	Star-Delta	4997	22.5	100	-
100BYZMK412.2 -51	100	12.2	Star-Delta	4997	22.5	100	•
100BYZM414.6 -51	100	14.6	Star-Delta	5500	25.6	100	-
100BYZMK414.6 -51	100	14.6	Star-Delta	5500	25.6	100	•
100BYZXM414.6 -51	100	14.6	Star-Delta	5500	25.6	100	-
100BYZMK414.6 -51	100	14.6	Star-Delta	5500	25.6	100	•
150BYM412.2 -51	150	12.2	Star-Delta	5833	22.2	100	-
150BYMK412.2 -51	150	12.2	Star-Delta	5833	22.2	100	•
150BYXM412.2 -51	150	12.2	Star-Delta	5833	22.2	100	-
150BYXMK412.2 -51	150	12.2	Star-Delta	5833	22.2	100	•
100BYZM419.3 -51	100	19.3	Star-Delta	5833	29.1	100	-

BY & BP

SOLIDS: 100mm

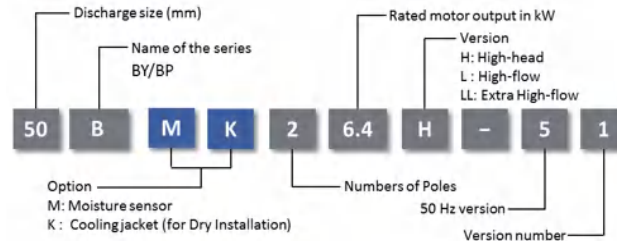


model	outlet (mm)	kW	starting method	flow (l/min)	head (mtrs)	free passage (mm)	dry mounted
100BYZMK419.3 -51	100	19.3	Star-Delta	5833	29.1	100	•
100BYZXM419.3 -51	100	19.3	Star-Delta	5833	29.1	100	-
100BYZMK419.3 -51	100	19.3	Star-Delta	5833	29.1	100	•
150BYM419.3 -51	150	19.3	Star-Delta	6500	27.8	100	-
150BYMK419.3 -51	150	19.3	Star-Delta	6500	27.8	100	•
150BYXM419.3 -51	150	19.3	Star-Delta	6500	27.8	100	-
150BYXMK419.3 -51	150	19.3	Star-Delta	6500	27.8	100	•
150BYM422 -51	150	22.0	Star-Delta	7417	29.5	100	-
150BYMK422 -51	150	22.0	Star-Delta	7417	29.5	100	•
150BYXM422 -51	150	22.0	Star-Delta	7417	29.5	100	-
150BYXMK422 -51	150	22.0	Star-Delta	7417	29.5	100	•
150BYM425.6 -51	150	25.6	Star-Delta	7967	33.8	100	-
150BYMK425.6 -51	150	25.6	Star-Delta	7967	33.8	100	•
150BYXM425.6 -51	150	25.6	Star-Delta	7967	33.8	100	-
150BYXMK425.6 -51	150	25.6	Star-Delta	7967	33.8	100	•
150BYM429.2 -51	150	29.2	Star-Delta	8400	35.9	100	-
150BYMK429.2 -51	150	29.2	Star-Delta	8400	35.9	100	•
150BYXM429.2 -51	150	29.2	Star-Delta	8400	35.9	100	-
150BYXMK429.2 -51	150	29.2	Star-Delta	8400	35.9	100	•
150BYM433 -51	150	33.0	Star-Delta	8533	38.3	100	-
150BYMK433 -51	150	33.0	Star-Delta	8533	38.3	100	•
150BYXM433 -51	150	33.0	Star-Delta	8533	38.3	100	-
150BYXMK433 -51	150	33.0	Star-Delta	8533	38.3	100	•
200BYM67.3 -51	200	7.3	Star-Delta	7167	9.4	100	-
200BYMK67.3 -51	200	7.3	Star-Delta	7167	9.4	100	•
200BYXM67.3 -51	200	7.3	Star-Delta	7167	9.4	100	-
200BYXMK67.3 -51	200	7.3	Star-Delta	7167	9.4	100	•
200BYM610 -51	200	10.0	Star-Delta	8000	11.5	100	-
200BYMK610 -51	200	10.0	Star-Delta	8000	11.5	100	•
200BYXM610 -51	200	10.0	Star-Delta	8000	11.5	100	-
200BYXMK610 -51	200	10.0	Star-Delta	8000	11.5	100	•
200BYM616.8 -51	200	16.8	Star-Delta	8333	17.0	100	-
200BYMK616.8 -51	200	16.8	Star-Delta	8333	17.0	100	•
200BYXM616.8 -51	200	16.8	Star-Delta	8333	17.0	100	-
200BYXMK616.8 -51	200	16.8	Star-Delta	8333	17.0	100	•
200BYM613.6 -51	200	13.6	Star-Delta	9000	14.2	100	-
200BYMK613.6 -51	200	13.6	Star-Delta	9000	14.2	100	•
200BYXM619.5 -51	200	19.5	Star-Delta	9000	19.3	100	-
200BYMK619.5 -51	200	19.5	Star-Delta	9000	19.3	100	•
200BYXM613.6 -51	200	13.6	Star-Delta	9000	14.2	100	-
200BYXMK613.6 -51	200	13.6	Star-Delta	9000	14.2	100	•
200BYXM619.5 -51	200	19.5	Star-Delta	9000	19.3	100	-
200BYXMK619.5 -51	200	19.5	Star-Delta	9000	19.3	100	•



BY & BP

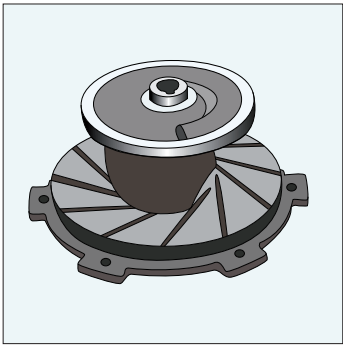
SOLIDS: 100mm - 150mm



model	outlet (mm)	kW	starting method	flow (l/min)	head (mtrs)	free passage (mm)	dry mounted
200BYM622.6 -51	200	22.6	Star-Delta	10000	21.6	100	-
200BYMK622.6 -51	200	22.6	Star-Delta	10000	21.6	100	•
200BYXM622.6 -51	200	22.6	Star-Delta	10000	21.6	100	-
200BYXMK622.6 -51	200	22.6	Star-Delta	10000	21.6	100	•
200BYM625.8 -51	200	25.8	Star-Delta	10883	23.9	100	-
200BYMK625.8 -51	200	25.8	Star-Delta	10883	23.9	100	•
200BYXM625.8 -51	200	25.8	Star-Delta	10883	23.9	100	-
200BYXMK625.8 -51	200	25.8	Star-Delta	10883	23.9	100	•
200BYM633.2 -51	200	33.2	Star-Delta	12500	25.6	100	-
200BYMK633.2 -51	200	33.2	Star-Delta	12500	25.6	100	•
200BYXM633.2 -51	200	33.2	Star-Delta	12500	25.6	100	-
200BYXMK633.2 -51	200	33.2	Star-Delta	12500	25.6	100	•
200BYM640.5 -51	200	40.5	Star-Delta	12917	27.9	100	-
200BYMK640.5 -51	200	40.5	Star-Delta	12917	27.9	100	•
200BYXM640.5 -51	200	40.5	Star-Delta	12917	27.9	100	-
200BYXMK640.5 -51	200	40.5	Star-Delta	12917	27.9	100	•
200BYMK4105-51	200	105.0	Star-Delta	13805	55.9	100	•
200BYM649.5 -51	200	49.5	Star-Delta	14670	30.1	100	-
200BYMK649.5 -51	200	49.5	Star-Delta	14670	30.1	100	•
250BYM640.5-51	250	40.5	Star-Delta	20166	16.8	130	-
300BYM640.5 -51	300	40.5	Star-Delta	20333	20.6	150	-
300BYMK640.5 -51	300	40.5	Star-Delta	20333	20.6	150	•
300BYXM640.5 -51	300	40.5	Star-Delta	20333	20.6	150	-
300BYXMK640.5 -51	300	40.5	Star-Delta	20333	20.6	150	•
300BYM649.5 -51	300	49.5	Star-Delta	23167	23.1	150	-
300BYMK649.5 -51	300	49.5	Star-Delta	23167	23.1	150	•
300BYM658 -51	300	58.0	Star-Delta	25233	24.7	150	-
300BYMK658 -51	300	58.0	Star-Delta	25233	24.7	150	•
300BYM668.5 -51	300	68.5	Star-Delta	29117	27.9	150	-
300BYMK668.5 -51	300	68.5	Star-Delta	29117	27.9	150	•
300BYM682 -51	300	82.0	Star-Delta	31183	29.5	150	-
300BYMK682 -51	300	82.0	Star-Delta	31183	29.5	150	•
300BYM6112 -51	300	112.0	Star-Delta	32500	36.2	150	-
300BYMK6112 -51	300	112.0	Star-Delta	32500	36.2	150	•
300BYM6132 -51	300	132.0	Direct on Line	32500	38.0	150	-
300BYMK6132 -51	300	132.0	Direct on Line	32500	38.0	150	•
300BYMK6160 -51	300	160.0	Direct on Line	32500	40.1	150	-
300BYM6160 -51	300	160.0	Direct on Line	32500	40.1	150	•
300BYM698 -51	300	98.0	Star-Delta	32508	33.0	150	-
300BYMK698 -51	300	98.0	Star-Delta	32508	33.0	150	•

DSPK

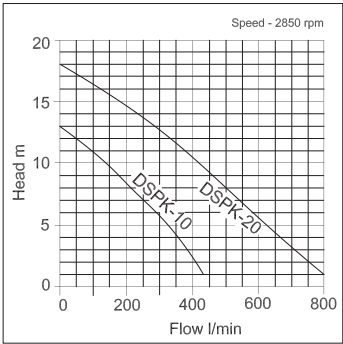
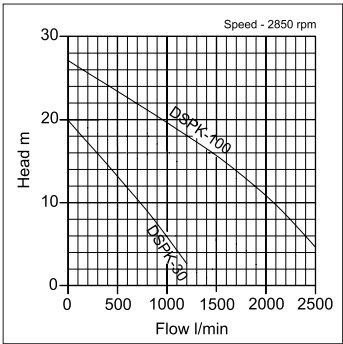
1 & 3 PHASE CUTTER



The **DSPK** range of cutter pumps are for sewage where destructible solids need to be reduced and pumped over a short or medium distance. The impeller rotates against a serrated suction cover to cut solids before pumping. Supplied as standard free-standing, an optional auto coupling set is available for guide rail mounting. (see page 84). Single-phase models are available with or without a float switch.

Fluid: Sewage | Water with suspended material | Temperature: 0 - 40°C

Application: Industry | Domestic | Pumping stations | Sewage treatment | Food processing



DSPK	Impeller	Shaft seal	Level switch (automatic)
	Single channel	Double mechanical	Pendant float (optional)

Pump	Handle (DSPK10)	Handle	Outlet (DSPK10 - 20)	Outlet flange (DSPK10)
	S/S 304 & rubber	Steel	Polypropylene	Grey cast iron
	Pump casing & elbow	Impeller	Shaft seal	Lubrication
	Grey cast iron	Grey cast iron & tungsten	Carbon ceramic	Oil
	Shaft	Suction cover & stand	Level switch	
	S/S 410	Grey cast iron	Polypropylene	

Motor	Poles, protection	Insulation	Thermal protection	Starting 1ph/3ph
	2 pole, IP68	Class B	Integral	Capacitor/D.O.L.
	Motor frame	Head cover	Power cable (10mtr) & switch cable	
	S/S 304	Grey cast iron	Rubber	



DSPK-10A



DSPK-20

item code	model	Manual or Auto	outlet (mm/BSPF)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm) *inc elbow	dry weight (kgs)	optional item 1 (auto-coupling)
15-10-1098	DSPK-10	M	50	0.75	110	430	13	20	183x250x487	21.0	TOS-SGH
15-10-1104	DSPK-10	M	50	0.75	230	430	13	20	183x250x487	21.0	TOS-SGH
15-10-1085	DSPK-10A	A	50	0.75	230	430	13	20	183x250x487	21.3	TOS-SGH
15-10-1063	DSPK-20	M	75	1.5	230	800	18	40	240x400x545	39.1	TOS-L3 & TOS-L4
15-10-1067	DSPK-20	M	75	1.5	400	800	18	40	240x400x545	39.1	TOS-L3 & TOS-L4
15-10-1029	DSPK-20A	A	75	1.5	230	800	18	40	240x400x546	39.6	TOS-L3 & TOS-L4
15-10-1015	DSPK-30	M	4"	2.2	400	1200	20	40	220x430x625	58.0	TOS-L3 & TOS-L4
15-10-1053	DSPK-100	M	4"	7.5	400	2500	27	65	300x505x815	117.0	TOS-X4

3 PHASE CUTTER



The **C** series of cutter pumps are for sewage where destructible solids need to be reduced and pumped over a short or medium distance. The impeller rotates against a serrated suction cover to cut solids before pumping. Construction is in cast iron and they are fitted with high-performance motors. Available in three-phase only. They are supplied with a bare delivery flange; elbows (for free-standing use) and auto-coupling sets (for guide rail applications), are optional extras (see page 85).

When a Tsurumi sewage pump is being selected as a replacement for an existing Flygt pump installation, a guide hook adaptor is available as an optional extra (see page 85). This is suitable for use with all 3" and 4" sewage pumps and permits retro-fitting a Tsurumi to existing Flygt guide rail installations.

Fluid: Water | Sewage | Water with suspended material | Temperature: 0 - 40°C

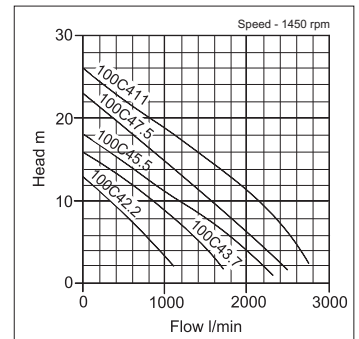
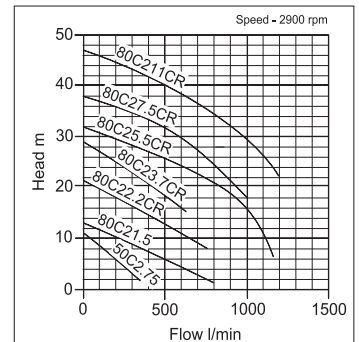
Application: Industry | Pumping stations | Sewage treatment | Food processing



C	Impeller	Shaft seal
	Single channel	Double mechanical

Pump	Lifting eyes	Bearing housing	Impeller	Impeller (80/CR)
	S/S 304	Grey cast iron	Grey cast iron	Chromium iron
	Suction cover	Suction cover (80/CR)	Shaft (C.75, 5.5-11)	Shaft (C1.5-3.7, 80/CR)
	Ductile iron	Chromium iron	S/S 403	S/S 420J2
	Shaft seal	Lubrication	Stand (C.75 - 1.5)	Stand (C2.2 - 3.7/CR)
	Silicon carbide	Oil	Ductile iron	Steel
	Stand (100C2.2 - 3.7)	Stand (C5.5 - 11/CR)	Stand (100C5.5 - 11)	
	Steel	Grey cast iron	Grey cast iron	

Motor	Poles, protection	Insulation (C.75, 2.2, 3.7)	Insulation	Thermal protection
	2 pole, IP68	Class E	Class F	Integral
	Starting	Starting (11kW)	Motor casing	Power cable (10mtr)
	D.O.L.	Star-delta	Grey cast iron	Rubber



80C21.5
free-standing
(elbow is an optional extra)



Flygt guide
hook adaptor
(optional extra)

item code	model	bore (mm)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm) *inc elbow	dry weight (kgs)	optional item 1 (elbow)	optional item 2 (auto-coupling)
10-10-1126	50C2.75	50	0.75	400	340	11.5	21	250x405x415	24	BEND 50	TOS3-50
10-10-1046	80C21.5	80	1.5	400	800	13	37	250x446x536	36	BEND 80	TOS3-80-80
10-10-1047	80C22.2CR	80	2.2	400	750	21	20 x 31	260x519x611	70	BEND 80 80	TOSH-80
10-10-1232	100C42.2	100	2.2	400	1100	13	44	331x596x610	70	BEND 80-100	TOS3-80-100
10-10-1245	80C23.7CR	80	3.7	400	650	29	22 x 31	260x519x613	70	BEND 80 80	TOSH-80
10-10-1113	100C43.7	100	3.7	400	1700	16	60	333x599x690	86	BEND 80-100	TOS3-80-100
10-10-1246	80C25.5CR	80	5.5	400	1340	32	29 x 23	345x615x879	125	BEND 80 80	TOSH-80
10-10-1080	100C45.5	100	5.5	400	2290	18	40	400x687x824	140	BEND 100-100	TOS3-100-100
10-10-1081	80C27.5CR	80	7.5	400	1000	38	26 x 23	345x615x879	130	BEND 80 80	TOSH-80
10-10-1242	100C47.5	100	7.5	400	2500	23	40	400x687x814	159	BEND 100-100	TOS3-100-100
10-10-1243	80C211CR	80	11	400	1200	47	26 x 25	345x615x927	160	BEND 80 80	TOSH-80
10-10-1141	100C411	100	11	400	2750	26	50	431x710x1000	184	BEND 100-100	TOS3-100-100

SUBMERSIBLE SEWAGE

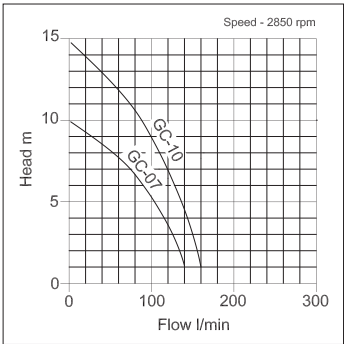
GC (32mm) COMPACT GRINDER



The **GC-07** and **GC-10** are innovative grinder pumps that are compact and incorporate a cutting system in a superior grade of stainless steel for reliability. Designed for pumping sewage, containing fibrous material, into conventional drainage, through a small bore pipe. Suitable for domestic and light industrial applications, where space, performance and price combine to be key areas of selection. Available as manual or with a pendant float switch, for automatic operation (230v only).

Fluid: Sewage | Water with suspended material | Temperature: 0 - 40°C

Application: Domestic | Welfare units | Basement systems | Liting stations | Portable sanitation



GC (32mm)	Impeller	Shaft seal	Level switch (automatic)
	Vortex	Double mechanical	Pendant (optional)

Pump	Lifting ring (GC-07)	Handle (GC-10)	Outlet	Pump case & outlet flange
	S/S 304	S/S 304 & rubber	Polypropylene	Grey cast iron
	Impeller (GC-07)	Impeller (GC-10)	Cutting ring	Cutter
	Nylon & glass fibre	Ductile iron	S/S 440C	S/S 440C
	Shaft	Shaft seal	Lubrication	Suction cover & stand
	S/S 304	Sil-carbide & Carb-ceramic	Oil	Grey cast iron
	Level switch			
	Polypropylene			

Motor	Poles, protection	Insulation	Thermal protection	Starting 1ph/3ph
	2 pole, IP68	Class B	Integral	Capacitor/D.O.L.
	Head cover	Motor casing	Power cable (10mtr) & switch cable	
	Grey cast iron	Grey cast iron	Rubber	



GC-10



GC-10A

item code	model	Manual or Auto	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
15-10-1082	GC-07	M	32	0.38	230	140	10	170x215x340	12.9
15-10-1101	GC-10	M	32	0.75	230	160	15	210x270x460	20.4
15-10-1084	GC-10	M	32	0.75	400	160	15	210x270x460	20.4
15-10-1055	GC-10A	A	32	0.75	230	160	15	210x270x460	20.8



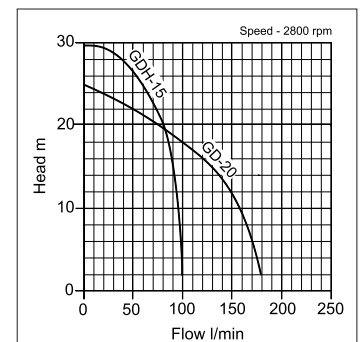
GD • GDH

GRINDER

The **GD** sewage grinder pumps are for use in sewage stations and for servicing individual or groups of houses, where drainage by gravity is not possible. They are ideally suited to applications where effluent is required to be pumped over a long distance, through a small bore pipe. The cutting mechanism is designed to pulverise sewage, soft solids or shreddable fibres. The high heads produced also make them suitable for agricultural disposal systems that feed sprinklers. The model **GD-20** are available free-standing or for guide rail mounting when supplied with the guide rail (auto-coupling) kit (see page 84). The **GDH-15** is available free standing only. Available as manual or with a pendant float switch, for automatic operation (230v only).

Fluid: Sewage | Water with suspended material | Temperature: 0 - 40°C

Application: Industry | Agriculture | Residential | Pumping stations | Fixed installations | Sprinkling



GD-GDH	Impeller	Shaft seal	Level switch (automatic)
	Vortex	Double mechanical	Pendant (optional)

Pump	Handle	Pump case & outlet (GDH)	Pump case & elbow	Bearing housing
	S/S 304 & rubber	Grey cast iron	Grey cast iron	Grey cast iron
	Impeller	Cutting ring	Cutter	Shaft
	Brass	Grey cast iron	Grey cast iron	S/S 410
	Shaft seal	Lubrication	Stand feet	Level switch
	Sil-carbide & Carb-ceramic	Oil	Rubber	Polypropylene

Motor	Poles, protection	Insulation	Thermal protection	Starting 1ph/3ph
	2 pole, IP68	Class B	Integral	Capacitor/D.O.L.
	Head cover	Motor casing	Power cable (10mtr) & switch cable	
	Grey cast iron	S/S 304	Rubber	



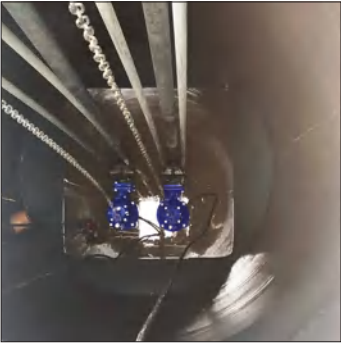
GD-20



GDH-15A

item code	model	Manual or Auto	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h inc. elbow (mm)	dry weight (kgs)	optional item (auto-coupling)
15-10-1077	GDH-15	M	1½"	1.1	230	100	30	240x170x510	25.75	n/a
15-10-1066	GDH-15	M	1½"	1.1	400	100	30	240x170x510	25.75	n/a
15-10-1060	GDH-15A	A	1½"	1.1	230	100	30	240x170x510	26.45	n/a
15-10-1027	GD-20	M	1½"	1.5	230	210	23	240x185x520	30.25	TOS-G1
15-10-1044	GD-20	M	1½"	1.5	400	210	23	240x185x520	30.25	TOS-G1
15-10-1021	GD-20A	A	1½"	1.5	230	210	23	240x185x520	30.70	TOS-G1

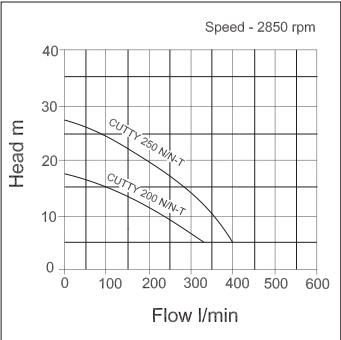
CUTTY
GRINDER



The **CUTTY** series of grinder pumps are for sewage stations and for servicing individual or groups of houses, where drainage by gravity is not possible. They are ideally suited to applications where effluent is required to be pumped over a long distance, through a small-bore pipe. The cutting mechanism is designed to pump and pulverise sewage, soft solids or shreddable fibres. The high heads produced, with only limited horsepower motors, also make them suitable for agricultural disposal systems that feed sprinklers. Single phase models are supplied with an external starter box. They are available free-standing or for guide rail mounting when supplied with the optional auto-coupling accessory.

Fluid: Sewage | Water with suspended material | Temperature: 0 - 35°C

Application: Industry | Agriculture | Residential | Pumping stations | Fixed installations | Sprinkling



CUTTY	Impeller	Shaft seal
	Open	Double mechanical

Pump	Pump case & outlet	Impeller	Cutting disk	Cutter
	Grey cast iron	Grey cast iron	S/S 304	S/S 304
	Shaft	Shaft seal	Lubrication	
	S/S 304	Sil-carbide & Carb-ceramic	Oil	

Motor	Poles, protection	Insulation	Thermal protection (1ph)	Starting 1ph/3ph
	2 pole, IP68	Class F	Integral	Capacitor/D.O.L.
	Head cover & lifting eye	Motor casing	Power cable (10mtr)	
	Grey cast iron	S/S 304	Rubber	



CUTTY 200/N



Auto-coupling set

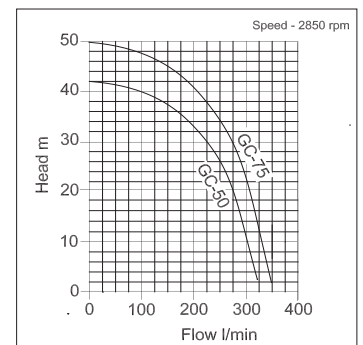
item code	model	Manual or Auto	outlet (FBSP)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-10-1005	CUTTY 200/N	M	1½"	1.5	230	340	17	206x300x446	27
19-10-1002	CUTTY 200/N-T	M	1½"	1.5	400	340	17	206x300x446	27
19-10-1004	CUTTY 250/N	M	1½"	1.85	230	400	27	206x300x468	38
19-10-1000	CUTTY 250/N-T	M	1½"	1.85	400	400	27	206x300x468	38
19-85-1000	Optional item: auto-coupling								

**GC (2½")****HIGH HEAD GRINDER**

The **GC-50** and **GC-75** grinder pumps are for use in sewage stations and for servicing groups of houses where drainage by gravity is not possible. They are ideally suited to applications where effluent is required to be pumped over a long distance, through a small-bore pipe. The high heads produced, with only limited horsepower motors, also make them suitable for agricultural disposal systems that feed sprinklers. They are free-standing or for guide rail mounting when supplied with the auto-coupling accessory (see page 84). Supplied with 10 metres of heavy duty rubber power cable.

Fluid: Sewage | Water with suspended material | Temperature: 0 - 40°C

Application: Industry | Agriculture | Pumping stations | Fixed installations | Sprinkling



GC (2½")	Impeller	Shaft seal
	Vortex	Double mechanical

Pump	Lifting eyes	Pump case & outlet	Bearing housing	Impeller
	S/S 304	Grey cast iron	Grey cast iron	Ductile iron
	Cutting ring	Cutter	Shaft	Shaft seal
	S/S 440	S/S 440C	S/S 410	Sil-carbide & Carb-ceramic
	Lubrication		Stand feet	
	Oil		Rubber	

Motor	Poles, protection	Insulation	Thermal protection	Starting
	2 pole, IP68	Class B	Integral	D.O.L.
	Head cover	Motor casing	Cable bracket	Power cable (10mtr)
	Grey cast iron	Grey cast iron	Grey cast iron	Rubber

**GC-50**

item code	model	Manual or Auto	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)	optional item (auto-coupling)
15-10-1106	GC-50	M	2½"	3.8	400	330	42	270x300x810	80	TOS-G3
15-10-1040	GC-75	M	2½"	5.6	400	350	50	270x300x810	88	TOS-G3

GY & GP GRINDER



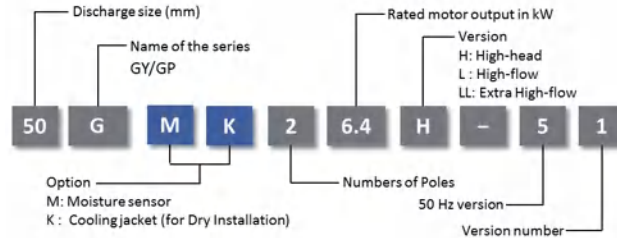
The **GY & GP** series are grinder pumps from Tsurumi Manufacturing of Japan which are part of a wastewater range of pumps with DIN flanges and motor sizes from 0.15kW up to 160kW. The series comprises submersible pumps constructed in grey cast iron that can be installed free-standing or for guide rails. To ensure that the wastewater can flow without blockages, they use an open multi-vane impeller that turns at a speed of 2850 rpm. The grinder mechanism, with its stationary cutting ring and rotating blade, cuts the solids into very small pieces. Depending on their output, the motors are equipped with a capacitor, direct or star-delta starters. They have double slide ring seals on the inside, encapsulated ball bearings, thermal protection and individually cast electrical conductors. Available options are dry mounting, oil chamber sensors, ATEX and auto-coupling kits for guide rail mounting. They can also be combined with frequency converters to adapt to the mains supply. **GP** models have highly energy efficient motors that are comparable to the IE3 standards for motors of surface mounted pumps.

The range currently available is summarised here. Please contact our sales department with details of your pumping application and we will offer our quotation accordingly.





GY & GP GRINDER



model	outlet (mm)	kW	volt	phase	poles	starting method	flow (l/min)	head (mtrs)
50GY21.5S-51	BSP 2" M	1.5	230	1	2	Capacitor Start	195	30.5
50GYA21.5S-51	BSP 2" M	1.5	230	1	2	Capacitor Start	195	30.5
50GYX21.5S-51	BSP 2" M	1.5	230	1	2	Capacitor Start	195	30.5
50GYXA21.5S-51	BSP 2" M	1.5	230	1	2	Capacitor Start	195	30.5
50GY21.6-51	BSP 2" M	1.6	400	3	2	Direct on Line	198	31.0
50GYA21.6-51	BSP 2" M	1.6	400	3	2	Direct on Line	198	31.0
50GYX21.6-51	BSP 2" M	1.6	400	3	2	Direct on Line	198	31.0
50GYXA21.6-51	BSP 2" M	1.6	400	3	2	Direct on Line	198	31.0
50GY21.1S-51	BSP 2" M	1.1	230	1	2	Capacitor Start	312	20.4
50GYA21.1S-51	BSP 2" M	1.1	230	1	2	Capacitor Start	312	20.4
50GYX21.1S-51	BSP 2" M	1.1	230	1	2	Capacitor Start	312	20.4
50GYXA21.1S-51	BSP 2" M	1.1	230	1	2	Capacitor Start	312	20.4
50GY2.9-51	BSP 2" M	0.9	400	3	2	Direct on Line	330	20.8
50GYA2.9-51	BSP 2" M	0.9	400	3	2	Direct on Line	330	20.8
50GYX2.9-51	BSP 2" M	0.9	400	3	2	Direct on Line	330	20.8
50GYXA2.9-51	BSP 2" M	0.9	400	3	2	Direct on Line	330	20.8
50GY21.9-51	BSP 2" M	1.9	400	3	2	Direct on Line	353	33.2
50GYA21.9-51	BSP 2" M	1.9	400	3	2	Direct on Line	353	33.2
50GYX21.9-51	BSP 2" M	1.9	400	3	2	Direct on Line	353	33.2
50GYXA21.9-51	BSP 2" M	1.9	400	3	2	Direct on Line	353	33.2
50GY23.7-51	BSP 2" M	3.7	400	3	2	Star-Delta	355	46.7
50GY24.4-51	BSP 2" M	4.4	400	3	2	Star-Delta	355	52.0
50GYX23.7-51	BSP 2" M	3.7	400	3	2	Star-Delta	355	46.7
50GYX24.4-51	BSP 2" M	4.4	400	3	2	Star-Delta	355	52.0
50GY21.8S-51	BSP 2" M	1.8	230	1	2	Capacitor Start	360	32.1
50GYA21.8S-51	BSP 2" M	1.8	230	1	2	Capacitor Start	360	32.1
50GYX21.8S-51	BSP 2" M	1.8	230	1	2	Capacitor Start	360	32.1
50GYXA21.8S-51	BSP 2" M	1.8	230	1	2	Capacitor Start	360	32.1
50GY23.1H-51	BSP 2" M	3.1	400	3	2	Direct on Line	398	38.3
50GYA23.1H-51	BSP 2" M	3.1	400	3	2	Direct on Line	398	38.3
50GYX23.1H-51	BSP 2" M	3.1	400	3	2	Direct on Line	398	38.3
50GYXA23.1H-51	BSP 2" M	3.1	400	3	2	Direct on Line	398	38.3
50GY23.1-51	BSP 2" M	3.1	400	3	2	Direct on Line	462	35.0
50GYA23.1-51	BSP 2" M	3.1	400	3	2	Direct on Line	462	35.0
50GYX23.1-51	BSP 2" M	3.1	400	3	2	Direct on Line	462	35.0
50GYXA23.1-51	BSP 2" M	3.1	400	3	2	Direct on Line	462	35.0
50GPM26.4-51	50	6.4	400	3	2	Star-Delta	512	42.0
50GPM26.4H-51	50	6.4	400	3	2	Star-Delta	512	52.0
50GPM29.5-51	50	9.5	400	3	2	Star-Delta	512	68.0
50GPM26.4-51	50	6.4	400	3	2	Star-Delta	512	42.0
50GPM26.4H-51	50	6.4	400	3	2	Star-Delta	512	52.0
50GPM29.5-51	50	9.5	400	3	2	Star-Delta	512	68.0
50GPM26.4-51	50	6.4	400	3	2	Star-Delta	512	42.0
50GPM26.4H-51	50	6.4	400	3	2	Star-Delta	512	52.0
50GPM29.5-51	50	9.5	400	3	2	Star-Delta	512	68.0
50GPM26.4-51	50	6.4	400	3	2	Star-Delta	512	42.0
50GPM26.4H-51	50	6.4	400	3	2	Star-Delta	512	52.0
50GPM29.5-51	50	9.5	400	3	2	Star-Delta	512	68.0
50GPM26.4-51	50	6.4	400	3	2	Star-Delta	512	42.0
50GPM26.4H-51	50	6.4	400	3	2	Star-Delta	512	52.0
50GPM29.5-51	50	9.5	400	3	2	Star-Delta	512	68.0
50GPM26.4-51	50	6.4	400	3	2	Star-Delta	512	42.0
50GPM26.4H-51	50	6.4	400	3	2	Star-Delta	512	52.0
50GPM29.5-51	50	9.5	400	3	2	Star-Delta	512	68.0

TRN

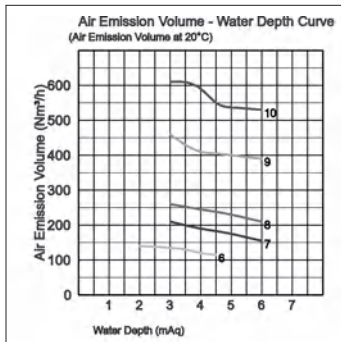
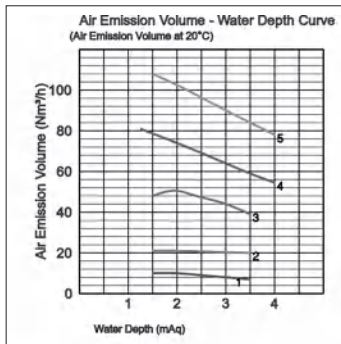
MULTIPLE OUTLETS



The **TRN** series aerators draw air in from negative pressure that has been generated from flow created behind a semi-open impeller. The air drawn from above the wastewater's surface is furiously mixed in with the wastewater under the mechanical force of the impeller and guide vanes, to form tiny bubbles. The aerated flow is equally discharged in all directions and the synergistic effect of the airlift and convection produces a high amount of dissolved oxygen for efficient aeration and agitation. TRN is not capable of anaerobic agitation.

Fluid: Water | Sewage | Water with suspended material | Temperature: 0 - 40°C

Application: Agriculture | Lakes & still waters | Sewage treatment | Food effluents | Odour suppression



TRN(FL)	Impeller	Shaft seal
	Vortex	Double mechanical

Pump	Lifting eyes	Bearing housing	Impeller
	S/S 304	Grey cast iron	S/S 316L
	Suction cover	Shaft	Shaft seal
	S/S 316L	S/S 420J2	Silicon carbide
	Lubrication	Pump casing & stand	Guide vane & air inlet
	Oil	Grey cast iron	Grey cast iron

Motor	Poles, protection	Poles, protection	Insulation	Thermal protection
	2 pole, IP68 (0.75 - 1.5)	4 pole, IP68	Class F	Integral
	Starting	Starting (12 - 40kW)	Motor casing	Power cable (10 - 20mtr)
	D.O.L.	Star-delta	Grey cast iron	Rubber



80TRN417



150TRN440

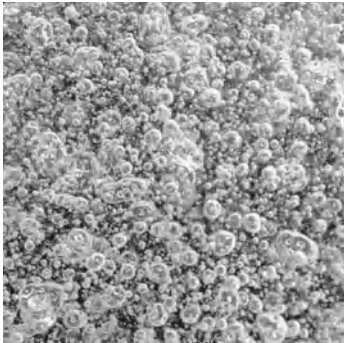
item code	model	curve (#)	air-inlet bore (mm)	kW	volt	max water depth (mtrs)	air flow rate @ max water depth (m³/h)	main convection dia (mtr)	sub convection		outlets (qty)	free passage (mm)	dia x h (mm)	dry weight (kgs)
									circular tank (dia - mtr)	square tank (mtr)				
10-10-1272	32TRN2.75	1	32	0.75	400	3.5	7/8	1.4	3.5	3	6	10	420x473	55
10-10-1286	32TRN21.5	2	32	1.5	400	3.5	20/17	1.8	4.5	4	6	12	420x473	55
10-10-1296	50TRN42.2	3	50	2.2	400	3.6	39/38	2.4	6	5.5	6	12	700x689	140
10-10-1304	50TRN43.7	4	50	3.7	400	4.0	55/60	3	7	6.5	6	12	700x694	150
10-10-1309	50TRN45.5	5	50	5.5	400	4.0	78/79	3.8	9	8	6	15	700x835	150
10-10-1314	80TRN47.5	6	80	7.5	400	4.5	124/112	4.4	10	9	6	15	700x868	175
10-10-1316	80TRN412	7	80	12	400	6.0	157/155	5.2	12	11	6	15	700x898	192
10-10-1318	80TRN417	8	80	17	400	6.0	202/220	5.6	13	11.5	6	15	700x958	213
10-10-1320	100TRN424	9	100	24	400	6.0	388/342	6.3	14.5	13	8	22	1000x1225	435
10-10-1322	150TRN440	10	150	40	400	6.0	528/506	7.3	17	15	8	25	1050x1459	583

TRN-FL

MULTIPLE OUTLETS



TRN-FL are hydraulically modified versions of the TRN series which enable the air-valve to be closed almost completely. In this position, the diameter of the generated air-bubbles is drastically reduced which increases the efficiency of removing particles like fat, fibers and other impurifications from the liquid. The TRN-FL combine all the technical features of the standard TRN with the effectiveness of a micro-bubble flotation system and lead to the best possible combination of low-maintenance and flotation effectiveness.



50TRN43.7FL

item code	model	air-inlet bore (mm)	kW	volt	max water depth (mtrs)	air flow rate @ max water depth (m³/h)	main convection dia (mtr)	sub convection		outlets (qty)	free passage (mm)	dia x h (mm)	dry weight (kgs)
								circular tank (dia - mtr)	square tank (mtr)				
10-10-1332	32TRN2.75FL	32	0.75	400	3.5	7/8	1.4	3.5	3	6	10	420 x 473	55
10-10-1334	32TRN21.5FL	32	1.5	400	3.5	20/17	1.8	4.5	4	6	12	420 x 473	55
10-10-1336	50TRN42.2FL	50	2.2	400	3.6	39/38	2.4	6	5.5	6	12	700 x 689	140
10-10-1338	50TRN43.7FL	50	3.7	400	4	55/60	3	7	6.5	6	12	700 x 694	150

BER

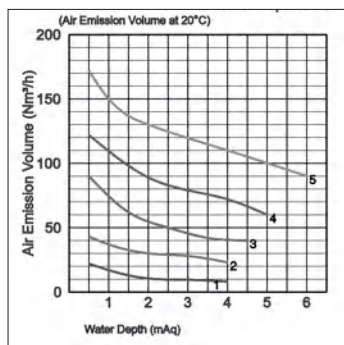
DIFFUSER OUTLET



The **BER** series aerators combine **B** series submersible pumps with venturi-jet based diffusers. They draw in air from above the wastewater by generating negative pressure around the nozzle with the flow from the pump. The air is mixed into the wastewater by this jet injector mechanism and sprayed underwater by the diffuser, to aerate and agitate the wastewater at the same time. In the process, tiny bubbles form inside the diffuser and increase the amount of dissolved oxygen in the wastewater. The powerful unidirectional jet that results can efficiently agitate long narrow tanks, as well as wider areas when multiple units are used. **BER** is capable of anaerobic agitation. Each model is available as a free-standing unit or with an auto-coupling set (TOS) for guide rail use.

Fluid: Water | Sewage | Water with suspended material | Temperature: 0 - 40°C

Application: Fish farms & agriculture | Sewage treatment | Food processing | Oxygenation



BER	Impeller	Shaft seal
	Single channel	Double mechanical

Pump	Lifting eyes	Bearing housing	Impeller	Suction cover
	S/S 304	Grey cast iron	Grey cast iron	Grey cast iron
	Shaft	Shaft (1.5 - 3.7kW)	Shaft seal	Lubrication
	S/S 403	S/S 4202J2	Silicon carbide	Oil
	Pump casing		Diffuser	
	Ductile iron		Nylon coated steel	

Motor	Poles, protection	Insulation	Thermal protection
	2 pole (0.75 - 1.5), 4 pole, IP68	Class F	Integral
	Starting	Motor casing	Power cable (10mtr)
	D.O.L.	Grey cast iron	Rubber



Free Standing



TOS Auto Coupling

item code	model	curve (#)	air-inlet bore (mm)	kW	volt	max water depth (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1273	8-BER free-standing	1	25	0.75	400	4/3.5	20	194x674x464	28
10-10-1274	TOS 8-BER	1	25	0.75	400	4/3.5	20	194x674x464	28
10-10-1287	15-BER free-standing	2	32	1.5	400	4	35	222x895x562	43
10-10-1288	TOS 15-BER	2	32	1.5	400	4	35	222x895x562	43
10-10-1297	22-BER free-standing	3	50	2.2	400	4.5	35	317x1158x679	75
10-10-1298	TOS 22-BER	3	50	2.2	400	4.5	35	317x1158x679	75
10-10-1305	37-BER free-standing	4	50	3.7	400	5	35	317x1158x753	91
10-10-1306	TOS 37-BER	4	50	3.7	400	5	35	317x1158x753	91
10-10-1310	55-BER free-standing	5	50	5.5	400	6	35	391x1415x942	142
10-10-1311	TOS 55-BER	5	50	5.5	400	6	35	391x1415x942	142



FSP are floating scum skimmers designed for the collection of floating scum in the treatment of wastewater. They consist of a submersible pump, jet-injector mechanism and three floats. The jet-injector mechanism ensures stable suction operation even if water, air and scum are drawn simultaneously. The floats enable the submersible pump's inlet to remain in a constant position on the water surface, which prevents operational failure during changes in the water level. The inlet can be adjusted to a depth of between 0mm and 60mm, so that the skimmer can efficiently draw in scum with a minimal amount of water.

Fluid: Treated sewage water | Water | Temperature: 0 - 40°C

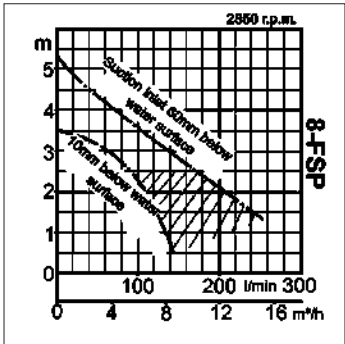
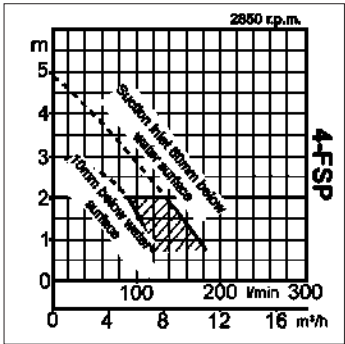
Application: Sewage treatment | Industrial waste | Agriculture | Ponds & lakes



FSP	Impeller	Shaft seal
	Vortex	Double mechanical

Pump	Pump casing	Impeller	Shaft
	Grey cast iron	Grey cast iron	S/S 403
	Shaft seal	Lubrication	Float x 3
	Silicon carbide	Oil	ABS
	Outlet	Inlet	Branch pipe hose
	Grey cast iron	Resin	PVC

Motor	Poles, protection	Insulation	Insulation (1.5kW)	Thermal protection
	2 pole, IP68	Class E	Class F	Integral
	Starting 1ph/3ph	Head cover	Motor casing	Power cable (10mtr)
	Capacitor/D.O.L.	Grey cast iron	Grey cast iron	Rubber



FSP

item code	model	kW	volt	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1275	4-FSP2	0.40	400	16	825x840x565	36
10-10-1289	8-FSP3	0.75	400	22	825x840x565	38

GUIDE RAIL KITS • FLANGES

OPTIONAL CONNECTIONS



APP auto-couplings : in grey iron, for raising and lowering the pump without emptying the chamber, to ease inspection and maintenance. Set comprises guide support, guide hook, duck-foot bend, female BSP outlet flange, with fixings and gaskets to join and seal the flanges. Single (TOS-G1) and dual rail installation. *TOS-X3 has a horizontal duck-foot to enable the elbow (and the fixings) from the pump to be utilised and not discarded. Alternative to TOS-L3 & TOS-L4.



TOS-G1

item code	rails qty x ø	type (outlet, FBSP)
15-85-1006	1 x DN25	TOS-G1(1¼")
15-85-1009	2 x DN25	TOS-50H (2")
15-85-1001	2 x DN25	TOS-SGH (2")
15-85-1003	2 x DN25	TOS-G3 (2½")
15-85-1004	2 x DN25	TOS-S3 (3")
15-85-1008	2 x DN25	TOS-X3* (3")
15-85-1000	2 x DN25	TOS-L3 (3")
15-85-1002	2 x DN25	TOS-L4 (4")
15-85-1007	2 x DN40	TOS-X4 (4")



TOS-50H



TOS-S3



TOS-X3

Threaded flanges : DIN standard 2566 flange with female thread, PN10/16 in steel.



Threaded Flange

item code	type
13934003	DN40 x 1½" PCD110mm, Ø 16mm x 4 holes
13935003	DN50 x 2" PCD125mm, Ø 18mm x 4 holes
13936503	DN65 x 2½" PCD145mm, Ø 18mm x 4 holes
13938003	DN80 x 3" PCD160mm, Ø 20mm x 8 holes
13931003	DN100 x 4" PCD180mm, Ø 20mm x 8 holes

Flange seals : PN10/16 in NBR.



Flange Seals

item code	type
13944003	DN40 x 50mm x 92mm
13945003	DN50 x 61mm x 107mm
13946503	DN65 x 77mm x 127mm
13948003	DN80 x 90mm x 142mm
13941003	DN100 x115mm x 162mm



GUIDE RAIL KITS • HOOKS • ELBOWS

OPTIONAL CONNECTIONS

Tsurumi auto-couplings: in grey iron, for raising and lowering the pump without emptying the chamber, to ease inspection and maintenance. Set comprises guide support, guide hook, duck-foot bend and lifting chain. For dual rail installation.

item code	rails qty x ø	type (outlet, FBSP)
10-85-1043	2 x DN20	TOK4-A (2")
10-85-1017	2 x DN25	TOK4-P (2")
10-85-1019	2 x DN25	TOK2-65 (3")
10-85-1002	2 x DN25	TOS3-50 (2")
10-85-1004	2 x DN32	TOS3-65-80 (3")
10-85-1011	2 x DN32	TOS3-80-80 (3")
10-85-1018	2 x DN32	TOS3-80-80Y (3")
10-85-1005	2 x DN32	TOSH-80 (3")
10-85-1015	2 x DN32	TOS3-80-100 (4")
10-85-1000	2 x DN50	TOS3-100-100 (4")
10-85-1042	2 x DN52	TOS-150A (6")



TOK4-P



TOS3-80-80

Tsurumi discharge bends: in grey iron, square flange with a 90° elbow and female BSP outlet flange for free-standing applications. Supplied with fixings and gasket to join and seal the flange and fix it to the pump.

item code	type
10-85-1003	Bend 50 (2" fBSP)
10-85-1008	Bend 80 (3" fBSP)
10-85-1009	Bend 80-80 (3" fBSP)
10-85-1006	Bend 80-100 (4" fBSP)
10-85-1001	Bend 100-100 (4" fBSP)
10-85-1041	Bend 150-150 (6" fBSP)



Bend 80

Flygt guide hook adaptors: manufactured by **Tsurumi**, grey cast iron, to enable the fitting of a Tsurumi sewage pump in an existing Flygt pumping station and avoid costly refitting.

item code	type
10-85-1014	FLYGT ADAPTOR, 80 X 80 (3" X 3")
10-85-1012	FLYGT ADAPTOR, 80 X 100 (3" X 4")
10-85-1013	FLYGT ADAPTOR, 100 X 100 (4" X 4")



Adaptor

50TM
TITANIUM

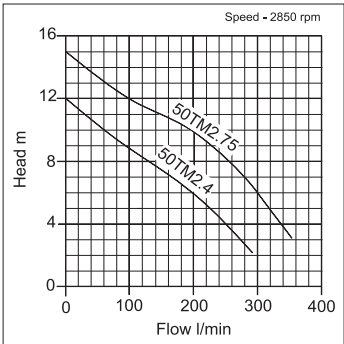


The **50TM** series are for the industrial pumping of aggressive liquids and are constructed in titanium, to create a pump of exceptional size, weight, corrosion resistance and hydraulic performance. Available in single or three phase, they are fitted with high-performance motors. Choice of manual or with a twin ball float switch, for precise automatic operation, this is adjustable and features an integral transformer to give a safe low voltage of 24 volts at the float end. The floats have a rounded shape to minimise false starting of the motor caused by water turbulence.

The selection of a pump must initially meet the basic corrosion resistant standards, however additional mechanical or physical properties in the duty may also need to be considered to achieve the overall service performance required. Please contact our sales department for guidance.

Fluid: Water | Seawater | Chemicals | Temperature: 0 - 40°C

Application: Industry | Processing | Marine | Seawater | Strong chemicals



TM	Impeller	Shaft seal	Level switch (automatic)
	Vortex	Double mechanical	Ball type float (optional)

Pump	Top cover & handle	Bearing housing	Outlet flange
	GFRP	GFRP	Polycarbonate
	Impeller	Shaft	Shaft seal
	GFRP	Titanium	Silicon carbide
	Lubrication	Pump casing & stand	Level switch
	Non toxic oil	GFRP	ABS & PVC

Motor	Poles, protection	Insulation	Thermal protection
	2 pole, IP68	Class E	Integral
	Starting 1ph/3ph	Motor casing	Power cable (10mtr) & switch cable
	Capacitor/D.O.L.	Titanium	Rubber & CSM



50TM2.4S



50TMA2.4S

item code	model	Manual or Auto	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	on level (mm)	off level (mm)	dry weight (kgs)
10-10-1276	50TM2.4S	M	2"	0.40	230	290	12	10	162x236x360	-	-	7.1
10-10-1290	50TMA2.4S	A	2"	0.40	230	290	12	10	173x236x374	607	115	7.6
10-10-1299	50TM2.75	M	2"	0.75	400	350	15	10	162x236x374	-	-	8.3

SFQ

CAST 316 STAINLESS



The **SFQ** series features all wetted parts in 316 grade (1.4436) cast stainless steel, for industrial pumping of aggressive liquids. 316 is commonly known as “marine grade” hence these pumps are suitable for seawater and salt water, so the cast construction, is extremely resilient during prolonged use in these liquids and also many chemical solutions. To maximise performance in seawater, we recommend fitting sacrificial anodes. Available in three phase only, they are fitted with high-performance motors.

316 stainless steel is used widely in marine applications, but its corrosion resistance in contact with seawater is limited, so it cannot be considered ‘corrosion proof’. The corrosion risks increase with the effects of chloride concentrations, evaporation, temperature, aeration etc, (working individually or together); hence, the guarantee period for these models relates to the mechanical operation and may not cover all seawater conditions. The selection of a pump for a chemical application must initially meet the basic corrosion resistant standards, however additional mechanical or physical properties in the duty may also need to be considered to achieve the overall service performance required. In each case, please contact our sales department for guidance.

Fluid: Water | Saltwater | Seawater | Chemicals | Temperature: 0 - 40°C

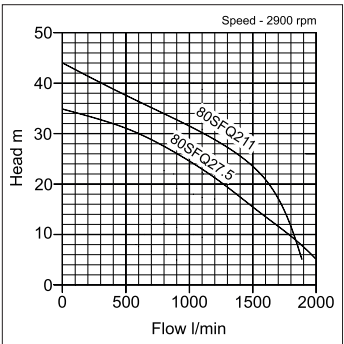
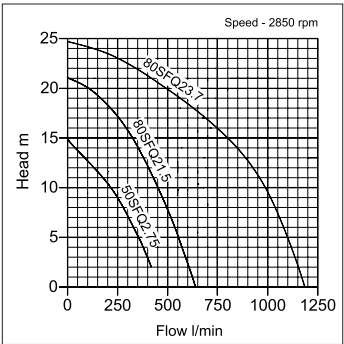
Application: Industry | Processing | Marine | Saltwater | Seawater



SFQ	Impeller	Shaft seal
	Vortex	Double mechanical

Pump	Handle (50SFQ2.75)	Lifting eye	Pump casing & outlet	Outlet flange
	S/S 316	S/S 316	S/S 316	S/S 316
	Impeller	Shaft	Shaft seal	Oil seal
	S/S 316	S/S 316	Sil-carbide & Carb-ceramic	Viton
	Lubrication	Strainer	Bottom plate	
	Oil	S/S 316	S/S 316	

Motor	Poles, protection	Insulation (50SFQ2.75)	Insulation
	2 pole, IP68	Class E	Class F
	Thermal protection	Starting	Starting (80SFQ211)
	Integral	D.O.L.	Star-delta
	Head cover	Motor casing	Power cable (10mtr)
	S/S 316	S/S 316	Neoprene



80SFQ21.5

item code	model	Manual or Auto	outlet (mm/fbsp)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
10-10-1124	50SFQ2.75	M	50	0.75	400	428	14.3	6	196x252x397	20
10-10-1067	80SFQ21.5	M	3"	1.5	400	642	21	6	221x329x484	36
10-10-1105	80SFQ23.7	M	3"	3.7	400	1174	24.7	15	257x359x552	52
10-10-1131	80SFQ27.5	M	3"	7.5	400	1995	35.1	30	360x635x844	123
10-10-1277	80SFQ211	M	3"	11	400	1949	43.9	30	360x635x892	143

SA(M)

316 STAINLESS STEEL

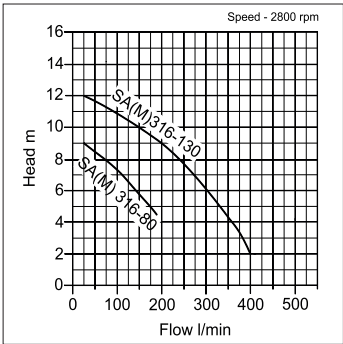


The **SA(M)** pumps feature all wetted parts in 316 grade cast and pressed stainless steel. This “marine grade” construction enables these pumps to perform well in seawater and salt water. Available in single or three phase, single phase pumps are automatic operation only, with a pendant type level control switch.

316 stainless steel is used widely in marine applications, but its corrosion resistance in contact with seawater is limited, so it cannot be considered ‘corrosion proof’. The corrosion risks increase with the effects of chloride concentrations, evaporation, temperature, aeration etc, (working individually or together); hence, the guarantee period for these models relates to the mechanical operation and may not cover all seawater conditions. Please contact our sales department for guidance.

Fluid: Water | Saltwater | Seawater | Chemicals | Temperature: 0 - 35°C

Application: Industry | Processing | Marine | Saltwater | Seawater



SA(M)	Impeller	Shaft seal	Level switch (automatic)
	Vortex	Double mechanical	Pendant float (optional)

Pump	Handle	Bearing housing	Outlet flange	Impeller
	S/S 316 & rubber	S/S 316	S/S 316	S/S 316
	Shaft	Shaft seal	Oil seal	Lubrication
	S/S 316	Sil-carbide & Carb-ceramic	Viton	Oil
	Pump casing & stand		Level switch	
	S/S 316		Polypropylene	

Motor	Poles, protection	Insulation	Thermal protection	Starting 1ph/3ph
	2 pole, IP68	Class F	Integral	Capacitor/D.O.L.
	Head cover	Motor casing	Power cable (10mtr) & switch cable	
	S/S 316	S/S 316	Rubber	



SA 316-80



SAM 316-80

item code	model	Manual or Auto	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	free passage (mm)	w x l x h (mm)	dry weight (kgs)
19-10-1007	SAM 316-80/S	A	2"	0.6	230	200	9	35	154x237x427	18
19-10-1008	SA 316-80	M	2"	0.6	400	200	9	35	155x237x427	18
19-10-1009	SAM 316-130/S	A	2"	1	230	400	12	35	155x237x427	20
19-10-1010	SA 316-130	M	2"	1	400	400	12	35	155x237x427	20

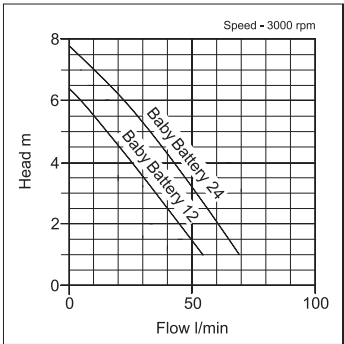


BABY BATTERY
LARGE FLOW

The **Baby Battery** pumps are low voltage, D.C., plastic submersibles for battery operation only. They are water pumps for use mainly in boat bilges; however, they can be used for general drainage and transfer. They have a duty cycle of approximately 20 minutes and the power cable is supplied with crocodile clips. Available as manual or with a pendant float switch, for automatic operation.

Fluid: Clean & dirty water | Temperature: 0 - 35°C

Application: Industry | Processing | Leisure | Bilges | Transfer | Sumps



BABY BATTERY	Impeller	Shaft seal	Level switch (automatic)
	Open	Lip	Pendant (optional)

Pump	Outlet	Handle	Outer cover
	Polypropylene	Polypropylene & glass fibre	Polypropylene & glass fibre
	Pump casing	Impeller	Shaft
	Polypropylene & glass fibre	Nylon & glass fibre	S/S 304
	Shaft seal	Pump casing & strainer	Level switch
	NBR	Polypropylene	Polypropylene

Motor	Insulation	Motor cover	Power cable (5mtr)
	Class B	Aluminium	PVC



Baby Battery manual



Baby Battery auto

item code	model	Manual or Auto	outlet (mm)	volt (dc)	watt	amp	flow (l/min)	head (mtrs)	free passage (mm)	dia x h (mm)	dry weight (kgs)
22-10-1025	Baby Battery 12	M	25	12	175	14	55	6.3	1.7	Ø170x260	3.6
22-10-1038	Baby Battery 12	A	25	12	175	14	55	6.3	1.7	Ø170x260	3.6
22-10-1012	Baby Battery 24	M	25	24	220	8.8	69	7.8	1.7	Ø170x260	3.6
22-10-1026	Baby Battery 24	A	25	24	220	8.8	69	7.8	1.7	Ø170x260	3.6

FLOODMATE
RAPID RESPONSE KIT



FloodMate is an emergency pumping kit which has a powerful pump, two packs of **Hydrosacks** and discharge hoses for defending a property from low level flooding. Depending on which kit is selected, the pump is designed to pump water levels down to a level of between 3mm and 1mm. Hoses are light, easy to position and feature quick connections to enable fast deployment in an emergency. Supplied in a lightweight carry case, for easy movement and storage.

- Contents:**
- 1 x Pump: **BPS100**, **LSC1.4S**, **WX10** or **TEM-25H** + 2 x **Hydrosacks**.
 - 1 x **Phase 1 hose kit**: 10 metres of 25mm (1") non-kink pipe, complete with quick release connectors. For pumping near the property e.g. over window ledges, steps, walls, Hydrosacks, sandbags etc.
 - 1 x **Phase 2 hose kit**: 10 metres of 25mm (1") layflat hose, complete with quick release connectors. For pumping over flat surfaces e.g. over ground, away from the property.
 - 1 x Easy carry case: complete with lid and 2 fastening straps (dimensions 400Wx600Lx420H).



FloodMate 1



FloodMate 1:

1 x **BPS100**, 230 volt submersible pump. This has a 100watt motor ("uptake" for generator: 220 watt), weighs 3.5kgs(dry) and is supplied with a quick release hose connector, 10 metres of power cable and a plug for immediate use. It will pump approximately 40 litres per minute across 30 metres of level ground when using 25mm (1") hose. No initial priming required before starting, it will pump water down to 3mm, but it must not run dry. For the full specification of this pump see page 9.



FloodMate 2



FloodMate 2:

1 x **LSC1.4S**, 230 volt submersible pump. This has a 480watt motor ("uptake" for generator: 590 watt), weighs 13.7kgs(dry) and is supplied with a quick release hose connector, 10 metres of power cable and a plug for immediate use. It will pump approximately 70 litres per minute across 30 metres of level ground with a 1 metre incline, when using 25mm (1") hose. Initial priming of the pump with water is required before starting, it will pump water down to 1mm and can run dry for long periods (e.g. overnight) without damage. For the full specification of this pump see page 28.



FloodMate 3



FloodMate 3:

1 x **WX10** Honda engine driven pump, with a 1.5HP engine and weighs 6.1kgs (dry). This is supplied with a quick release discharge connector, a 4 metre, quick release suction hose, and a low level suction tool. It will pump approximately 80 litres per minute across 30 metres of level ground with a 1 metre incline, when using 25mm (1") hose. Initial priming of the pump with water is required before starting, It will pump water down to 3mm, but it must not run dry. Ideal for use when electricity is not available. For the full specification of this pump see page 148.



Phase 1 hose



Phase 2 hose

FloodMate 4:

This kit has all the contents of a **FloodMate 3** but the pump supplied is a Tsurumi **TEM-25H**. This has the same Honda engine as the WX10, but its weight is only 5kgs (dry). See page 149 for a full specification.

item code	description
26-35-1017	FloodMate 1
26-35-1009	FloodMate 2
26-35-1011	FloodMate 3
26-35-1010	FloodMate 4
26-35-1019	Extra Phase 1 hose kit
26-35-1001	Extra Phase 2 hose kit



HYDROSACK • HYDROSLAKE

SANDBAG ALTERNATIVES

The **HydroSnake** and **HydroSack** are a clean, easy to store and fit alternative to sandbags for low level flooding. They are constructed from a non-woven outer material with a super absorbent core. Before use, each one weighs less than 500g but once in contact with water it can weigh up to 20kgs when full to capacity of 20 litres. In this condition, it becomes effective in defending and redirecting floods and excess water. With contents of eco-friendly super-absorbent polymer and pulp, they are easily disposed of after use into the ground or for incineration.



The **HydroSnake** covers 120cm when activated, making the ideal barrier for low level flooding by doors, gates, shutters, passages etc. 2 per pack, each one measures 145cm x 25cm.



HydroSnake

The **HydroSack** covers 40cm when activated and is the design also includes handles for minimal contact and easy positioning of the barrier making it the perfect replacement of the traditional sandbag. 2 per pack, each one measures 60cm x 48cm.



HydroSack



item code	description
12-35-1002	HydroSnake - 1 pack (2 snakes)
12-35-1003	HydroSnake - 12 packs (24 snakes)
12-35-1000	HydroSack - 1 pack (2 sacks)
12-35-1001	HydroSack- 12 packs (24 sacks)

PRESSURE VESSELS

WRAS APPROVED



Pressure vessels are approved by the Water Regulations Advisory Scheme (WRAS). They have membranes, manufactured to BS EN 13831, inside an epoxy powder coated steel, exterior, for hot and cold sanitary water circuits, pressurising systems, heating systems and refrigeration circuits. Membranes are interchangeable and manufactured to DIN4807.



No Mount



Horizontal



Vertical

PRESSURE VESSELS									
item code	type	capacity (litres)	orientation	tank (material)	bladder (material)	working pressure (bar)	main connection (mbsp gas)	ø Dia x (H)high or (L)long (mm)	weight (kgs)
23-40-1014	ACS 2	2	no mount	steel	butyl	10	½"	Ø120x240H	1.4
23-40-1004	ACS 5	5	no mount	steel	butyl	10	¾"	Ø170x275H	1.8
23-40-1008	ACS CE 8	8	no mount	steel	butyl	8	¾"	Ø220x305H	2.5
23-40-1001	ACS CE 24	24	no mount	steel	EDPM	8	1"	Ø260x490H	4.6
23-40-1009	AFC/CAR CE 24	24	no mount	steel	butyl	16	¾"	Ø265x490H	6.8
23-40-1016	AFOSB CE 24	24	horizontal	steel	EDPM	8	¾"	Ø260x485L	5.3
23-40-1005	AFESB CE 60	60	horizontal	steel	EDPM	10	1"	Ø380x695L	11.8
23-40-1015	AFESB CE 100	100	horizontal	steel	EDPM	10	1"	Ø460x780L	15.3
23-40-1002	AFESB CE 200	200	horizontal	steel	EDPM	10	1¼"	Ø590x960L	37.5
23-40-1003	AFESB CE 300	300	horizontal	steel	EDPM	10	1¼"	Ø650x1150L	48.2
23-40-1000	AFE CE 60	60	vertical	steel	EDPM	10	1"	Ø380x830H	12.3
23-40-1012	AFE CE 100	100	vertical	steel	EDPM	10	1"	Ø460x880H	15.9
23-40-1010	AFE CE 200	200	vertical	steel	EDPM	10	1¼"	Ø590x1100H	35.8
23-40-1017	AFE CE 300	300	vertical	steel	EDPM	10	1¼"	Ø650x1250H	50.5
23-40-1013	AFE CE 500	500	vertical	steel	EDPM	10	1¼"	Ø750x1600H	78.5
23-40-1007	AFE/CAR CE 100	100	vertical	steel	EDPM	16	1"	Ø460x880H	32
23-40-1011	AFE/CAR CE 200	200	vertical	steel	EDPM	16	1¼"	Ø590x1100H	51.8
23-40-1006	AFE/CAR CE 300	300	vertical	steel	EDPM	16	1¼"	Ø650x1250H	73.5



Replacement Membrane

REPLACEMENT MEMBRANES				
item code	type	capacity (litres)	material	weight (kgs)
23-65-1006	ACS 2	2	butyl	0.14
23-65-1002	ACS 5	5	butyl	0.14
23-65-1007	ACS 8	8	butyl	0.22
23-65-1011	ACS CE 24	24	EDPM	0.52
23-65-1010	AFOSB CE 24	24	EDPM	0.43
23-65-1005	AFESB CE 60	60	EDPM	0.86
23-65-1009	AFESB CE 100	100	EDPM	0.86
23-65-1000	AFESB CE 200	200	EDPM	2.69
23-65-1003	AFESB CE 300	300	EDPM	6
23-65-1008	AFE CE 60	60	EDPM	0.86
23-65-1001	AFE CE 100	100	EDPM	0.86
23-65-1004	AFE CE 200	200	EDPM	2.69
23-65-1013	AFE CE 300	300	EDPM	6
23-65-1012	AFE CE 500	500	EDPM	5.41



PRESSURE KIT

PARTS

A range of components to enable replacement of parts in, or the assembly of, pressure boosting sets and systems, or for assembly of bespoke booster sets.

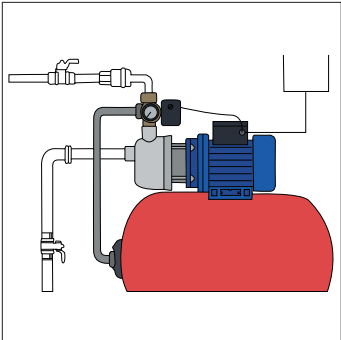
Membranes are manufactured to DIN4807. Sizes 2 to 8 litres are in butyl rubber, while 24 litres+ are in EPDM.

Pressure gauges, with side or rear connections, for applications up to 12 bar.

Pressure switches, with range adjustment, for applications up to 16 bar.

Flexible hoses, with 10 bar working pressure, includes one female swivel BSP and one male fixed BSP fitting in brass alloy (CW617N). Brading in galvanised steel tube, with EPDM inner pipe.

Multiway fittings, in brass, with BSP thread, for connecting a flexible hose, gauge and switch.



FLEXIBLE BRAIDED HOSE				
item code	connector	length (mm)	connection	weight (kgs)
12-65-1014	elbow	300	½"	0.3
12-65-1009	elbow	520	1"	0.6
12-65-1005	straight	600	1"	0.5
12-65-1012	elbow	650	1"	0.5
12-65-1006	straight	800	1"	0.6
12-65-1010	straight	1,000	1¼"	1.4
12-65-1013	straight	1,500	1¼"	1.5



PRESSURE GAUGES			
item code	pressure (bar)	connection position x MBSP	weight (kgs)
12-65-1004	6	rear x ¼"	0.1
12-65-1007	6	side x ¼"	0.1
12-65-1003	12	side x ¼"	0.1



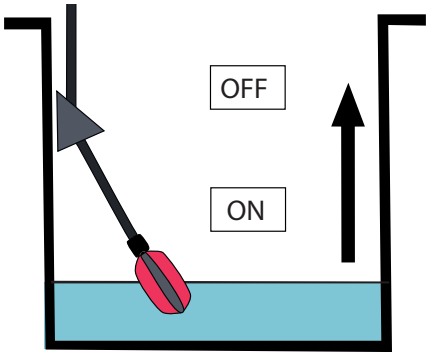
BRASS MULTIWAY FITTINGS			
item code	connector	length (mm)	weight (kgs)
12-65-1008	3 way	1" x 1" x 1"	0.2
12-65-1001	5 way	1" x 1" x 1" x ¼" x ¼"	0.3



PRESSURE SWITCHES				
item code	type	pressure adjustment (bar)	volts	weight (kgs)
12-65-1002	PM5	1-5	230	0.4
12-65-1011	PT5	1-5	400	0.4
12-65-1000	PM12	2-12	230	0.4
12-65-1015	Fantini B12DN	5-16	230	0.5

FLOAT SWITCHES

SEWAGE & WATER



Tecno float switches are double acting for emptying or filling applications. They have anti-shock polypropylene cases and PVC cables for use in clean water or inert water-based fluids.



Tecno

Titanio float switches are double acting for emptying or filling applications. These high performance and extremely reliable switches feature self-cleaning contacts and three protective layers, which enable them to be condensation proof. The need for an external and awkward counterweight is unnecessary as this component is integrated within the case. This innovative design provides superior balance and stability in fluids containing suspended solids and sewage applications where turbulence creates problems for standard floats. They have anti-shock polypropylene cases and are available with PVC cables for most sewage applications. For improved resistance to the oils and fats found in many sewage and kitchen waste applications, switches with Neoprene cables are also available. These are not, however, suitable for liquids containing hydrocarbons.



Titanio

Shuttle float switches are double acting and designed for fitting directly to a submersible pump as either a component during manufacture or retro-fitting during a repair. They have anti-shock polypropylene cases and Neoprene cables for use in waste water. These high performance and extremely reliable switches feature self-cleaning contacts and three protective layers, which enable them to be condensation proof. They perform particularly well in light sewage, septic tank and dirty water applications that would not form a crust around the case hindering its movement.

item code	length (mtr)	type	cable material	weight (kgs)
17-40-1008	5	Tecno	PVC	0.6
17-40-1011	10			1.2
17-40-1015	15			1.7
17-40-1023	20			2.3
17-40-1010	30			3.4
17-40-1003	5	Titanio	PVC	1.1
17-40-1018	10			1.6
17-40-1024	15			2.2
17-40-1022	20			2.8
17-40-1006	30			3.9
17-40-1007	5		Neop	1.1
17-40-1009	10			1.6
17-40-1025	15			2.2
17-40-1019	20			2.8
17-40-1001	30			3.9
17-40-1021	0.5	Shuttle	Neop	0.2
17-40-1013	1			0.3

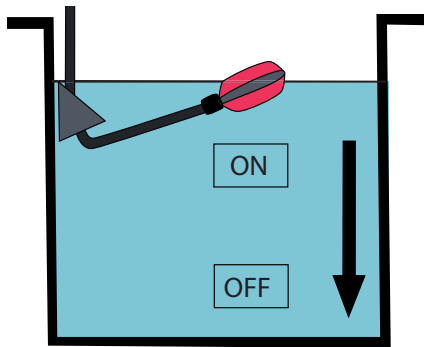


Shuttle



FLOAT SWITCHES

DRINKING WATER & ATEX



Drink float switches are single acting for emptying applications. They are approved in France for use in drinking water and hence hold ACS (Attestation De Conformite Sanitaire) certification, but not WRAS approved. They have anti-shock polypropylene cases, PVC AD8 cables.



Drink

Shuttle ATEX float switches are double acting for emptying or filling applications in potentially explosive atmospheres, created by gases, mists and vapours. They comply with ATEX directives with a classification: II 3G Ex nC IIB T6 Gc. They have anti-shock polypropylene cases and polyurethane cables for use in diesel oil, other hydrocarbons and the oils and fats present in kitchen waste.

They should be used with intrinsically safe control panels.

A **Counterweight** is an optional stabilising weight that can be fixed at any point on the cable to create a pivot point at a set depth in the liquid. Available in 304 stainless steel or in hard polystyrene that is filled with sand. Counterweights are unnecessary with **Shuttle** and **Titanio**.



Shuttle ATEX

item code	length (mtr)	type	cable material	weight (kgs)
17-40-1014	5	Drink	PVC AD8	0.7
17-40-1000	10			1.3
17-40-1012	15			1.8
17-40-1016	20			2.4
17-40-1020	30			3.5
17-40-1026	5	Shuttle ATEX	Polyurethane	0.7
17-40-1028	10			1.2
17-40-1029	15			1.7
17-40-1031	20			2.3
17-40-1034	30			3.4
17-40-1004	Counterweight (plastic)			0.13
17-40-1033	Counterweight (s/steel)			0.13



Counterweight

FLOAT SWITCHES • LEVEL SWITCHES

ELECTRICAL & MECHANICAL



Pendant

The **Pendant** float-switch has a power cable connected to a waterproof case that contains a ball bearing actuated switch and is designed for portable and fixed installations. The cable is clamped to the pump, with a small amount of adjustment to alter the on and off level. Construction in polypropylene with a H07RNF8 1.5mm² rubber float cable, it can be fitted to Tsurumi single phase submersible pump models 0.40kW to 0.75kW.



Agma

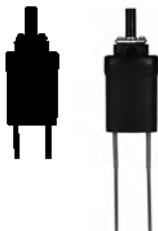
The **AGMA** float-switch has a switch actuated by a floating cylinder, housed within a tube. Compact, with fixed on and off levels for precise level control, it is intended for narrow sumps and fixed installations. Construction in polypropylene with a H07RNF8 1.0mm² rubber power cable (10 metres). They can be fitted to Tsurumi 110 volt pumps 0.4kW to 0.48kW (on request) and Tsurumi 230 volt pumps 0.4kW to 0.75kW.



Sensor

The **Sensor** switch has two 304 stainless steel probes that are encapsulated in moulded rubber and it is designed for portable applications. The compact design and precise water level control also makes it suitable for fixed installations and narrow or shallow sumps. During use, when both probes touch water, the pump will start and continue to operate for one minute after the water level drops. However, if the water touches both probes again within this time, the pump continues pumping for another minute and will continue like this on demand, so keeping the water level constantly below the level of the probes at all times. The off level can be as low as the suction cover of a drainage pump and the base plate of a puddle sucker pump, depending on the sump size or area being drained. Probes can be lengthened by 70mm or 170mm, with optional extensions, to enable a lower "on" and "off" level". It can be fitted to Tsurumi single phase submersible pump models 0.40kW to 0.75kW.

NB This product is electronic, so damage may occur from the high current and high voltage applied during a portable appliance test. We recommend bypassing the switch, for a visual inspection only, during a test.



Sensor probe extensions



Remex



Gravity

The **Remex** is a float switch for filling, emptying and alarm duties for all types of electrically driven pumps for operation in liquids up to 90°C. Contact rating: 50Hz, AC, 10 amp(resistive) - 5 amp(inductive), 250V. It is simple in construction and easy to fit. The switch enclosure is in ABS thermoplastic and rated at IP65. Float and weight are in ABS thermoplastic and the cord length is 0.9 metres long.

The **Gravity** is a float switch for filling, emptying and alarm duties for all types of electrically driven pumps for operation in liquids up to 50°C. Contact rating: 50Hz, AC, 10 amp(resistive) - 4 amp(inductive), 250V. It is simple in construction and easy to fit. The switch enclosure is in polypropylene and rated at IP56. Floats, counterweight and stop disk are in polypropylene and the cord length is 3 metres long.



LEVEL SWITCHES • VALVES

ELECTRICAL & MECHANICAL

Probes, used in conjunction with probe wire, and controlled by a **Multi 1** control panel (see page 102), are used for precise water level control. A probe can control the water level down to 5mm. Probes are also necessary when there is insufficient space available for traditional pendant or tube float switches to operate. A minimum of three probes is required: on/off/common. Suitable for use with single and three phase pumps.

The **SwitchH₂O** has been designed specifically for use with the **LSC1.4S** residue pump utilizing a **Multi 1** control panel (optional extra-see page 102) for controlling low water levels. 3 probes, in 304 stainless steel, are set in an epoxy-resin filled holder and they represent on, off and common. “On” must be cut to a position 50mm to 15mm, from the base of the pump and the “off” cut to a position from 40mm to 5mm from the base of the pump. In any application, these two probes must have a minimum difference of 10mm. “Common” must always be below the level of the “off” probe. It is supplied with 10 metres of low voltage, PVC power cable.

QuickStop flow regulators are designed as a replacement to conventional ballcock valves in water tanks to protect booster pumps, with high-speed opening and closing of the integral valve. These “advanced” models are fully adjustable, so sensitivity and activation levels can be changed by altering the angle of the swivel joint and the length of the float-arm. In addition to use with pump, they are also suitable for gravity fed system. Constructed in polycarbonate and stainless steel for operation in liquids up to 50C°, working pressures 0.2 bar to 6 bar, over pressure 10 bar. Dimensions (mm): 240x80x50.

item code	type	unit	dry weight (kgs)
12-40-1013	Pendant	each	0.32
12-40-1021	Agma	each	1.50
10-40-1003	Sensor (0.40 to 0.48kW x 110 volts)	each	0.60
10-40-1005	Sensor (0.75kW x 110 volts)	each	0.60
10-40-1001	Sensor (0.40 to 0.75kw x 230 volts)	each	0.60
10-40-1002	Sensor extention kit, 70mm	each	0.15
10-40-1000	Sensor extention kit, 170mm	each	0.64
12-40-1016	Remex	each	0.75
17-40-1035	Gravity	each	0.40
16-40-1001	SwitchH ₂ O (exc. panel)	each	0.53
17-40-1002	Probe	each	0.05
17-40-1017	Probe wire	per metre	0.01
17-40-1027	Quickstop flow regulator 3/4"	each	0.50
17-40-1030	Quickstop flow regulator 1"	each	0.50
17-40-1032	Quickstop flow regulator 1.1/4"	each	0.50
17-40-1036	Quickstop flow regulator 1.1/2"	each	0.50



Probe



SwitchH₂O and panel
(typical arrangement)



Quickstop

BRIO

ELECTRONIC PRESSURE SWITCH

The **Brio** uses the same system and has the same features as **Logicpress** (see page 98), however, the initial cut in pressure can be altered (by removing the cover and turning the adjuster) between 1.5 and 3.5 bar and it can be operated vertically or horizontally. It is also has a pressure gauge, which allows the starting pressure value and system pressure to be checked. It can be used in conjunction with shower pumps in installations where there is a negative head, i.e. the shower head is above the water level in the cold water tank, and also where the pumps are supplying several outlets at once e.g. body jets, or domestic water supplies. It also has a built in timer which will automatically try to reset itself every 30 minutes in the event of a previous shut down due to lack of water. Suitable for pumps with 230v motors that do not exceed 1.5kW and 110v motors that do not exceed 0.75kW. Reset device not available on 110v.



Brio 2000M

item code	model	in/out (BSPM)	volt	amps (max)	flowrate (max l/min)	temp (max c°)	min-max pressure	pump start pressure/ operating range	w x l x h (mm)	dry weight (kgs)
17-40-1005	Brio 2000M	1"	110 • 230	12	80	55	1 - 10 bar	1 - 3.5 bar	100x160x100	0.7

LOGICFLOW • LOGICPRESS

ELECTRONIC CONTROL



STANDARD FEATURES

- INTEGRAL DRY RUN PUMP PROTECTION
- EXTERNAL RE-SET SWITCHES
- POWER BLACK-OUT AUTO RESET
- PUMP STATUS LEDs
- INTEGRAL NON-RETURN VALVES
- 400V 3PH OPTIONS
- IP65

Logic is a series of electronic pressure switches that will control and protect an electric pump. They will start a pump immediately when a valve in the pipe system is opened and stop the pump immediately when the valve is closed. They maintain a constant system pressure, protect a pump from dry running and reduce the effects of water hammer. They are fitted with non-return valves and have a simple user interface for system status and re-set. They can be fitted to any surface mounted pump, or in the delivery line of any submersible, that operates within the rated pressure and flow and motor specifications. There are seven models in the range, which are manufactured by Trevitech of Italy, who also produce the Watertech models Presscontrol, Presscontrol TIME and Mascontrol.

Logicpress features:

- Automatic reset function: pump protection from dry running but with automatic reset, enabling the pump to operate normally again during a condition where the lack of water may have only been temporary. In this situation, a conventional pressure controller would switch off and the system would require a manual reset, which could cause inconvenience. Both devices are designed to make 10 attempts to start over a 24 hour period. On the 10th attempt, if the condition still exists i.e. it is not temporary, it switches off. A system inspection and manual reset is then required.
- Daily pump test function: if for any reason the pump remains idle for 24 consecutive hours, both devices are designed to start up the pump for about 5 seconds. This helps to avoid various problems associated with pumps inactive for long periods.
- Dual voltage: It can be operated at 110 volts or 230 volts and with 400 volts 3 phase (with a contactor).

Application conditions are:

- The column of water between the switch and the highest outlet must not exceed 15 metres (1.5bar) – the “restart pressure value setting” - otherwise the system pressure may not fall to the pre-set “cut in” pressure and the system will not restart. This value is pre-set at factory, so no additional programming is required, or possible, during installation.
- Minimum flow required inwards is 1 litre per minute.
- It must be operated vertically.



Logicpress



Logicpress (M)

Logicpress(M): this is the same product as the Logicpress, but with a factory fitted Manometer pressure gauge (M).



Logicflow

Logicflow: for surface mounted pumps only in applications of positive suction i.e. underneath a tank or direct withdrawal from the mains water supply. It will start a pump immediately when a valve in the pipe system is opened and stop the pump immediately when the valve is closed. It has integral dry running protection an external re-set switch, pump status LEDs, power black-out auto reset, dual voltage (110-230v) and has IP65 protection. Minimum flow required inwards is 0.5 litres per minute.

LOGICFLOW • LOGICPRESS

ELECTRONIC CONTROL

Logicpress SET: this is the same as the Logicpress but with three pre-programmed restart pressure settings of 1.5, 2.0 and 2.5 bar, which can be programmed by the user. This feature enables the user to purchase one device for a range of duties. It must be operated vertically. Minimum flow required inwards is 1 litre per minute. Optional pressure gauge (M). 230v only, or 400v (with a contactor)



Logicpress SET

Logicpress SET (M): this is the same product as the **Logicpress(M)**, but with a factory fitted Manometer pressure gauge (M).



Logicpress SET (M)

Logicpress PLUS: this has the same features as the Logicpress, but is for higher flow rates and hence has a larger inlet and outlet.



Logicpress PLUS

Logicpress 3PHASE PLUS: this has the same features as the Logicpress, but is specifically for 3 phase pumps (230v and 400v) that have higher flow rates and hence has a larger inlet and outlet. It has reverse rotation protection.



Logicpress 3PHASE+

Manometer: this is a pressure gauge that can be retro-fitted to Logicpress and Logicpress SET. Models with this device, factory fitted, have suffix "(M)"

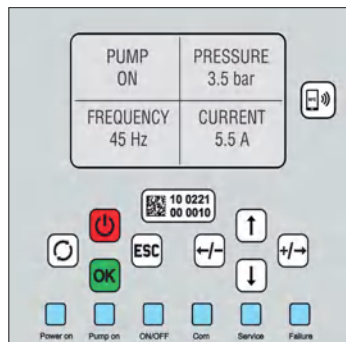


Manometer

item code	model	in/out (BSPM)	volt	power max kW/ (motor voltage)	temp max (°C)	max flow-rate (l/min)	max pressure (bar)	pump start pressure (bar)	w x l x h (mm)	weight (kgs)
20-40-1004	Logicflow	1"	110•230	0.55(110v)/1.1kW(230v)	60	166	16	1.5	130x75x100	0.4
20-40-1014	Logicpress	1"	110•230	0.75(110v)/1.5(230v)	65	166	12	1.5	140x190x110	1.0
20-40-1009	Logicpress(M)	1"	110•230	0.75(110v)/1.5(230v)	65	166	12	1.5	190x190x110	1.1
20-40-1011	Logicpress SET	1"	230	1.5(230v)	65	166	12	1.5 - 2.0 - 2.5	140x190x110	1.0
20-40-1005	Logicpress SET(M)	1"	230	1.5(230v)	65	166	12	1.5 - 2.0 - 2.5	190x190x110	1.1
20-40-1024	Logicpress PLUS	1¼"	110•230	1.1kW(110v)/2.2kW(230v)	60	200	12	1.5	211x251x175	1.5
20-40-1025	Logicpress 3PHASE PLUS	1¼"	230•400	1.1kW(230v)/2.2kW(400v)	50	200	12	1.5	205x272x175	1.1
20-40-1023	Optional extra, for retrofitting, Manometer pressure gauge c/w O ring								50x35x45	0.1

LOGICWALL

VARIABLE FREQUENCY DRIVE



Logicwall is an energy saving pump management system, to control and protect surface and submersible pumps. There are two models in the range: Logicwall M controls either single-phase pumps up to 1.5kW or three-phase pumps 230V up to 2.2kW, while Logicwall PRO will control three-phase 400V pumps up to 12 kW.

They can be wall-mounted or installed directly on to the pipe system. They integrate the energy improvement efficiencies of variable frequency drive technology within a simple to use “plug and play” digital display module, while maintaining pressure and flow in a system. Set up is simple, with just the input of the required pressure and pump amps. Costly dry running situations can be detected, then prevented, while the effects of water hammer are also reduced. There is also a list of status codes to interpret system faults without intervention of the system. When used on multi-pump booster sets, they will provide an integral and automatic pump changeover to guarantee even wear of the pumps, reducing the risk of pump failure and costly downtime. These pumps will operate at a variable speed, to ensure the correct flow of water at the set pressure. Supplied with a 16 bar pressure transducer, they are also equipped with near field communication technology for data transfer to a smartphone.

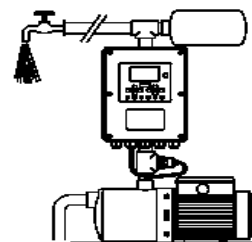
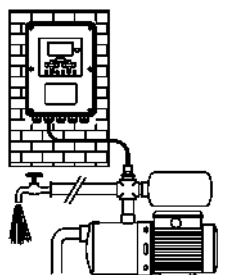
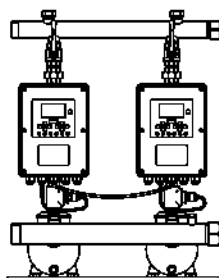
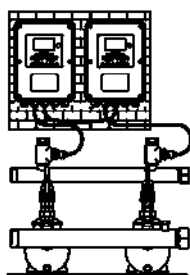
A universal GSM device, LogicGSM, for data reception and transmission is available, which is equipped with analogue and digital inputs and outputs. Programmable from a smartphone by means of an App with NFC technology. Details and prices are available on application.



Logicwall



Logicwall PRO



model	Logicwall M8.5	Logicwall M11	Logicwall T6	Logicwall T9	Logicwall T9S	Logicwall PRO T12	Logicwall PRO T16	Logicwall PRO T19	Logicwall PRO T23
item code	20-40-1026	20-40-1028	20-40-1027	20-40-1029	20-40-1031	20-40-1030	20-40-1032	20-40-1034	20-40-1033
Mains voltage (phase-volts)	1 - 230	1 - 230	3 - 400	3 - 400	3 - 230	3 - 400	3 - 400	3 - 400	3 - 400
Acceptable voltage fluctuations (+/- %)	15	15	15	15	15	15	15	15	15
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Maximum pump current (amps)	9	11	6	9	9	12	16	19	23
Maximum 1ph pump motor power (kW/HP)	1.1 / 1.5	1.5 / 2	-	-	-	-	-	-	-
Maximum 3ph pump motor power (kW/HP)	1.9 / 2.5	2.2 / 3	2.2 / 3	3 / 4	2.2 / 3	5.5 / 7.5	7.5 / 10	9.2 / 12.5	11 / 2.5
Motor soft start	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Maximum operating pressure (bar)	25	25	25	25	25	25	25	25	25
Adjustable system pressure (bar)	2 ÷ 25	2 ÷ 25	2 ÷ 25	2 ÷ 12	2 ÷ 12	2 ÷ 12	2 ÷ 12	2 ÷ 12	2 ÷ 12
Adjustable restart pressure (bar)	1 ÷ 24	1 ÷ 24	1 ÷ 24	1 ÷ 24	1 ÷ 24	1 ÷ 24	1 ÷ 24	1 ÷ 24	1 ÷ 24
Adjustable minimum flow	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Maximum operating temperature (°C)	50	50	50	50	50	50	50	50	50
Protection degree (IP)	65	65	65	65	65	65	65	65	65
Digital manometer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digital ammeter	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dry running protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Automatic restart	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Anti-jamming function	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Protection fuse	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Irrigation mode (double pressure)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pool/Industry mode (fixed speed)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Short-circuit protection between phases	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Short-circuit protection between phases and earth	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Amperometric protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Voltage surge protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Over-temperature protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pressure sensor fault detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Flow switch connection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BMS protocol connection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Integrated NFC data transfer system	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Connection for float switch and level probe	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Remote ON/OFF connection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Remote "Pump on" connection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Remote alarm connection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Communication between devices	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dimensions l x h x w (mm)	200 x 275 x 125	200 x 275 x 125	200 x 275 x 125	270 x 470 x 180	270 x 470 x 180	270 x 470 x 180	270 x 470 x 180	270 x 470 x 180	270 x 470 x 180
weight (kgs)	5	5	5	9	9	9	9	9	9

MULTI 1

ADJUSTABLE OVERLOADS



The **Multi 1** are electronic panels for single pump control (single or three phase), with enclosures in metal or thermoplastic. Both enclosures feature lateral door hinges (for hands free use), external fixing (no need to drill the enclosure) and are IP55. The closing system on thermoplastic enclosures is with two lateral screws, while the metal is with a key.

Standard features include:

- Adjustable overloads
- Low voltage transformers
- Operation with float switches, pressure switches and probes
- Hand/off/auto switches
- Input for float activated audible alarm,
- Maximum current protection with alarm
- Minimum and maximum voltage protection with automatic reset and alarm
- Lack and sequence of phases protection with automatic reset and alarm
- Motor klixon overload protection with automatic reset and alarm
- Provision for start up capacitor
- Siren silencing button
- N°2 alarm outputs 12V DC max 200mA for siren and flashing Led lamp
- Alarm output max 5A NC-COM-NO (volt free)
- Auto changeover (Multi 2 only)

Warning: 110 volt panels should NOT be used with centre tap earth (CTE) transformers, as damage to the PCB will occur.



Multi 1 thermoplastic



Multi 1 steel

item code	type	enclosure material	current/ph - volts	motor power range (kw)	motor current range (amps)	single or twin pump control	audio alarm	visual alarm	l x w x h (mm)	weight (kgs)
16-40-1019	MULTI 1-P-110	plastic	1 - 110	0.37 - 1.1	2-18	Single	No	No	285x245x140	2.2
16-40-1020	MULTI 1-P-230	plastic	1 - 230	0.37 - 2.2	2-18	Single	No	No	285x245x140	2.2
16-40-1023	MULTI 1-P-400-10	plastic	3 - 400	0.37 - 7.5	0.5 - 16	Single	No	No	285x245x140	2.6
16-40-1024	MULTI 1-P-400-15	plastic	3 - 400	2.2 - 11	4-25	Single	No	No	345x285x165	3.3
16-40-1033	MULTI 1-M3-110	steel	1 - 110	0.37 - 1.1	2-18	Single	No	No	300x300x150	7.3
16-40-1034	MULTI 1-M3-230	steel	1 - 230	0.37 - 2.2	2-18	Single	No	No	300x300x150	7.3
16-40-1037	MULTI 1-M4-110	steel	1 - 110	0.37 - 1.1	2-18	Single	No	No	400x300x150	8.8
16-40-1038	MULTI 1-M4-230	steel	1 - 230	0.37 - 2.2	2-18	Single	No	No	400x300x150	8.8
16-40-1041	MULTI 1-M4- 400-10	steel	3 - 400	0.37 - 7.5	0.5 - 16	Single	No	No	400x300x150	9.2
16-40-1042	MULTI 1-M4-400-15	steel	3 - 400	2.2 - 11	4-25	Single	No	No	400x300x150	9.4

The **Multi 2** are electronic panels for twin pump control (single or three phase), with enclosures in metal or thermoplastic. Both enclosures feature lateral door hinges (for hands free use), external fixing (no need to drill the enclosure) and are IP55. The closing system on thermoplastic enclosures is with two lateral screws, while the metal is with a key.

Basic Alarms are constructed in ABS plastic, with IP55 protection. They have audible warning alarms and electronic flashing beacons.

Standard features include:

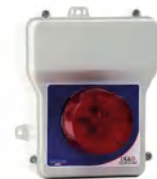
- adjustable overloads
- low voltage transformers
- operation with float switches, pressure switches and probes
- hand/off/auto switches
- input for float activated audible alarm,
- maximum current protection with alarm
- minimum and maximum voltage protection with automatic reset and alarm
- lack and sequence of phases protection with automatic reset and alarm
- motor klixon overload protection with automatic reset and alarm
- Provision for start up capacitor
- Siren silencing button
- N°2 alarm outputs 12V DC max 200mA for siren and flashing Led lamp
- Alarm output max 5A NC-COM-NO (volt free)
- Auto changeover (Multi 2 only)



Multi 2 thermoplastic



Multi 2 steel



Basic Alarm

item code	type	enclosure material	current/ph - volts	motor power range (kw)	motor current range (amps)	single or twin pump control	audio alarm	visual alarm	l x w x h (mm)	weight (kgs)
16-40-1021	MULTI 2-P-230	plastic	1 - 230	0.37 - 2.2	2-18	Twin	No	No	285x245x140	2.2
16-40-1022	MULTI 2-P-230VA	plastic	1 - 230	0.37 - 2.2	2-18	Twin	Yes	Yes	285x245x140	2.7
16-40-1025	MULTI 2-P-400-10	plastic	3 - 400	0.37 - 7.5	0.5 - 16	Twin	No	No	285x245x140	2.8
16-40-1026	MULTI 2-P-400-10VA	plastic	3 - 400	0.37 - 7.5	0.5 - 16	Twin	Yes	Yes	285x245x140	3.3
16-40-1027	MULTI 2-P-400-15	plastic	3 - 400	2.2 - 11	4-25	Twin	No	No	380x300x150	4.2
16-40-1028	MULTI 2-P-400-15VA	plastic	3 - 400	2.2 - 11	4-25	Twin	Yes	Yes	380x300x150	4.7
16-40-1035	MULTI 2-M3-230	steel	1 - 230	0.37 - 2.2	2-18	Twin	No	No	300x300x150	7.3
16-40-1036	MULTI 2-M3- 230VA	steel	1 - 230	0.37 - 2.2	2-18	Twin	Yes	Yes	300x300x150	7.8
16-40-1039	MULTI 2-M4-230	steel	1 - 230	0.37 - 2.2	2-18	Twin	No	No	400x300x150	8.8
16-40-1040	MULTI 2-M4-230VA	steel	1 - 230	0.37 - 2.2	2-18	Twin	Yes	Yes	400x300x150	9.3
16-40-1043	MULTI 2-M4-400-10	steel	3 - 400	0.37 - 7.5	0.5 - 16	Twin	No	No	400x300x150	9.4
16-40-1044	MULTI 2-M4-400-10VA	steel	3 - 400	0.37 - 7.5	0.5 - 16	Twin	Yes	Yes	400x300x150	9.9
16-40-1045	MULTI 2-M4-400-15	steel	3 - 400	2.2 - 11	4-25	Twin	No	No	400x300x150	10.1
16-40-1046	MULTI 2-M4-400-15VA	steel	3 - 400	2.2 - 11	4-25	Twin	Yes	Yes	400x300x150	10.6
16-40-1029	BASIC ALARM P-230A	plastic	1 - 230	n/a	n/a	n/a	Yes	No	180x140x140	0.8
16-40-1030	BASIC ALARM P-230VA	plastic	1 - 230	n/a	n/a	n/a	Yes	Yes	180x140x140	0.8
16-40-1031	BASIC ALARM P-12A	plastic	DC-12	n/a	n/a	n/a	Yes	No	180x140x80	0.7
16-40-1032	BASIC ALARM P-12VAL12	plastic	DC-12	n/a	n/a	n/a	Yes	Yes	180x140x80	0.7

WATER METERS

COLD WATER



GSD8

The **GSD8** is designed for potable cold water metering in domestic and industrial applications. It has a single-jet turbine, brass body and a super dry dial for frost resistant operation. Straight reading on 8 rollers, 360degree rotating register, magnetic drive. Certified MID 2004/22/CE Modules B + D or EEC 75/33. It can be operated horizontally or vertically. Temperature class: T30/T50. 16 bar working pressure. Pulse output available.



Beta

The **Beta** is designed for potable cold water metering in domestic and industrial applications. It has a multi-jet turbine, with a brass body and a super dry dial for frost resistant operation. Certified MID 2004/22/CE Modules B + D or EEC 75/33. WRAS Approval Number: 1711362. It can be operated horizontally or vertically. 1 Temperature class: T30/T50. 6 bar working pressure. Pulse output available.



TW-M

The **TW-M** is designed for metering of cold-water that contains sand, dirt and solids, however, an additional coarse strainer is required "up stream" from the inlet. It is particularly suitable for irrigation applications where high flow rates occur. It has a paddle wheel turbine which relies on a full bore flow to provide an accurate measurement. It has an epoxy coated cast iron body, a super dry dial for frost resistant operation and can be operated horizontally or vertically. Supplied with test certificates suitable for EA requirements. Mounting flanges are DIN standard PN16. Temperature class: T30/T50. 16 bar working pressure. Pulse output available.



Omega

The **Omega** is designed for metering of potable cold-water and water that contains some small solids. It is suitable for water distribution and industrial applications, where low flow rates occur, and pipes may not be completely filled. It has a helix turbine, with a cast iron body and a super dry dial for frost resistant operation. Straight reading on rollers, orientable "copper can" dry-dial register, pre equipped for pulse emitters application. Certified MID 2004/22/CE Module B + D or EEC 75/33. WRAS Approved Number 1303344. Temperature class: T30/T50. Mounting flanges are DIN standard PN16. 16 bar working pressure. Pulse output available

item code	model	bore (bspm/flange)	max flow (m ³ /hr)	continuous (m ³ /hr)	min flow (ltr/hour)	l x h (mm)	dry weight (kgs)
12-40-1006	GSD8-015	½"	3.1	2.5	31	110x85	0.8
12-40-1023	GSD8-020	¾"	5.0	4.0	50	110x85	1
12-40-1020	Beta 25	1"	7.9	6.3	79	145x115	1.2
12-40-1014	Beta 30	1¼"	13	10	125	145x120	2.3
12-40-1027	Beta 40	1½"	20	16	200	145x150	4.2
12-40-1026	Beta 50	2"	31	25	313	145x190	9.6
12-40-1022	TW-M50	50-DN50	79	63	3,150	200x260	11.7
12-40-1017	TW-M80	80-DN80	125	100	5,000	225x290	14.3
12-40-1024	TW-M100	100-DN100	200	160	8,000	250x300	17.6
12-40-1011	TW-M150	150-DN150	500	400	20,000	300x340	26.8
12-40-1009	Omega 50	50-DN50	50	40	500	200x252	12.4
12-40-1007	Omega 80	80-DN80	79	63	788	225x272	17
12-40-1015	Omega 100	100-DN100	125	100	1,250	250x282	18
12-40-1019	Omega 150	150-DN150	313	250	3,125	300x341	38
12-40-1018	Omega 200	200-DN200	500	400	5,000	350x371	50.8
12-40-1028	Optional extra: pulse output, GSD8						
12-40-1005	Optional extra: pulse output, Beta						
12-40-1001	Optional extra: pulse output, Omega						
12-40-1010	Optional extra: pulse output, TW-M						



The FL series are demand pumps for intermittent use applications. They are self-priming and will automatically turn on and off when a tap, or valve, is opened and closed. They can also be run dry. Suitable for a variety of applications and processes e.g. vehicle mounted sprayers, chemical transfer/injection (check selection with our sales department for compatibility), portable water systems, automotive systems, showers, washing etc. (N.B. 12V & 24V DC versions are for battery use only). Each model includes a pre-filter as additional protection from solid particles entering the pump and damaging the diaphragm.

Operating Conditions: Intermittent duty | Max. ambient temperature 40°C | Max. suction lift: 2 mtrs

Fluid: Clean water | Temperature: 0 - 60°C

Application: Caravans & boats | Bowsers | Spraying | Window cleaning | Dust suppression



FL	Type	Diaphragm	Body
	Demand	Single	Plastic

Pump	Pump body	Pump cover	Inlet/outlet spigots	Check valve
	Nylon	Thermoplastic PPS	Nylon	EPDM
	Diaphragm	Prefilter	Support feet	
	Santoprene	Nylon/ABS/SS	Rubber	

Motor	Type	Enclosure	Insulation
	Permanent magnet	IP45	Class E



FL40

item code	model	inlet (mm)	outlet (mm)	volt	check valve (material)	diaphragm (material)	max pressure (bar)	max flow (l/min)	dia x l (mm)	dry weight (kgs)
12-15-1005	FL-40	13mm	13mm & ½" mBSP	12 DC	EPDM	santoprene®	3	17	ø75 x 280	2.5
12-15-1010	FL-40	13mm	13mm & ½" mBSP	24 DC	EPDM	santoprene®	3	17	ø75 x 280	2.5
12-15-1011	FL-41	13mm	13mm & ½" mBSP	110	EPDM	santoprene®	3	17	ø75 x 280	2.5
12-15-1018	FL-43	13mm	13mm & ½" mBSP	230	EPDM	santoprene®	3	17	ø75 x 280	2.5

ENM • ENT

BI-DIRECTIONAL FLOW



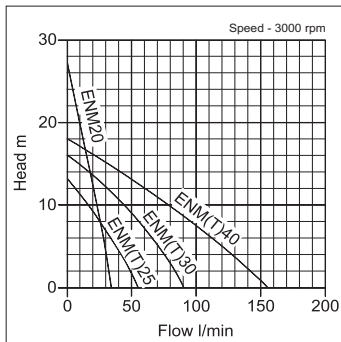
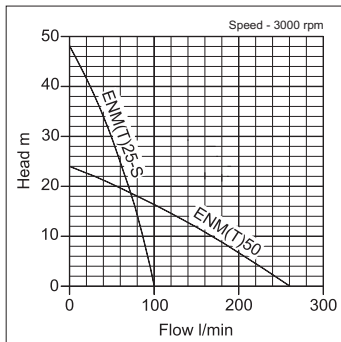
ENM and **ENT** pumps are general purpose, portable self-priming pumps for circulating and transfer of water, sea-water, juices, diesels, transformer oil and mild chemicals*. They must not pump petrol, solvents or any other liquid with a low flash point. They have a forward and reverse switch for filling and emptying applications. All models are supplied free-standing, but a full frame is available as an optional extra for ease of handling and added protection.

**We strongly recommend that you provide our sales department with written details of your application so that the correct selection can be made.*

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ footvalve): 6 mtrs

Fluid: Clean water | Seawater | Chemicals | Oils | Temperature: 0 - 90°C

Application: Industry | Hire Fleets | Diesels | Seawater | Chemicals | Light oils



EN(M)-EN(T)	Type	Impeller	Body
	Regenerative	Turbine	Alloy

Pump	Inlet & outlet	Front cover	Impeller	Pump body
	Brass	Brass	Brass	Brass
	Shaft	Lip seal	Back cover	Motor support
	S/S 316	NBR	S/S 304	Cast aluminium

Motor	Poles	Enclosure	Insulation
	2 pole	IP44	Class F



ENM25 in frame



ENM25

item code	model	inlet (mm)	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
12-15-1004	ENM20	20	20	0.37	110	35	27	120x248x190	5.9
12-15-1022	ENM20	20	20	0.37	230	35	27	120x248x190	5.9
12-15-1003	ENM25	25	25	0.45	110	55	13	141x318x190	9.0
12-15-1008	ENM25	25	25	0.45	230	55	13	141x318x190	9.0
12-15-1017	ENT25	25	25	0.45	400	55	13	141x318x190	9.0
12-15-1002	ENM30	30	30	0.75	110	90	16	162x376x209	11.9
12-15-1020	ENM30	30	30	0.75	230	90	16	162x376x209	11.9
12-15-1015	ENT30	30	30	0.75	400	90	16	162x376x209	11.9
12-15-1013	ENM40	40	40	0.9	110	155	18	162x376x209	13.8
12-15-1019	ENM40	40	40	0.9	230	155	18	162x376x209	13.8
12-15-1007	ENT40	40	40	0.9	400	155	18	162x376x209	13.8
12-15-1014	ENM50	50	50	1.5	230	260	24	202x431x236	20.7
12-15-1012	ENT50	50	50	1.5	400	260	24	202x431x236	20.7
12-15-1000	ENM25-S	25	25	1.5	110	100	48	202x355x236	15.3
12-15-1021	ENM25-S	25	25	1.5	230	100	48	202x355x236	15.3
12-15-1023	ENT25-S	25	25	1.5	400	100	48	202x355x236	15.3
12-85-1067	Optional extra: full protection frame (type: FR001)...to fit models 20 & 25.							260x370x290	3.2
12-85-1060	Optional extra: full protection frame (type: FR002)...to fit models 30, 40, 50 & 25S.							300x440x360	3.9



KF(M) • KP(M)
CAST IRON

The **KF(M)** and **KP(M)** pumps are non self-priming, peripheral centrifugal pumps with cast iron pump bodies. Capable of high heads and pressures in domestic and industrial applications. Optional pressure controller (see pages 98 & 99) will provide dry-run protection and automatic operation.

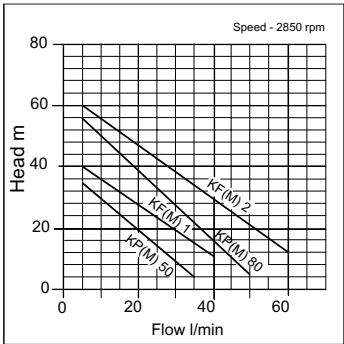
Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 7 mtrs
Fluid: Clean water | Temperature: 0 - 60°C
Application: Industry | Processing | Domestic | Boosting | Welfare units | Boiler feed



KF(M)-KP(M)	Type	Impeller	Body	
	Regenerative	Turbine	Iron	

Pump	Pump body cover (KF(M))	Pump body	Impeller	Pump body
	Brass	Cast iron	Brass	Brass
	Mechanical seal	Shaft	Motor support	Motor support
	Carbon ceramic/NBR	S/S 304	Cast iron	Cast aluminium

Motor	Poles	Enclosure	Insulation
	2 pole	IP44	Class F



KPM50



KFM1

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1018	KPM50	1"	1"	0.37	230	35	35	120x255x144	5.7
19-15-1027	KP50	1"	1"	0.37	400	35	35	120x255x144	5.7
19-15-1080	KPM80	1"	1"	0.6	230	50	55	135x295x161	9.5
19-15-1215	KP80	1"	1"	0.6	400	50	55	135x295x161	9.5
19-15-1185	KFM1	1"	1"	0.37	230	40	40	120x250x154	5.8
19-15-1057	KF1	1"	1"	0.37	400	40	40	120x250x154	5.8
19-15-1068	KFM2	1"	1"	0.6	230	60	60	135x275x172	9.5
19-15-1253	KF2	1"	1"	0.6	400	60	60	135x275x172	9.5

KPM50BR • PE50BR(T)

BRONZE

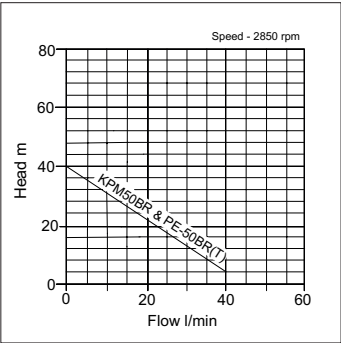


PE50BR and **KPM50BR** pumps are non self-priming, peripheral centrifugal pumps with bronze pump bodies. Capable of high heads and pressures in domestic and industrial applications. Optional pressure controller (see pages 98 & 99) will provide dry-run protection and automatic operation.

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 7 mtrs

Fluid: Clean water | Temperature: 0 - 60°C & 90°C

Application: Industry | Processing | Domestic | Boosting | Welfare units | Boiler feed



KPM50BR-PE50BR(T)	Type	Impeller	Body
	Regenerative	Turbine	Alloy

Pump	PE50BR(T)	Pump body	Impeller	Mechanical seal
		Bronze	Brass	Carbon ceramic/NBR
		Motor support	Shaft	
	KPM50BR	Cast aluminium	S/S 416	
		Pump body	Impeller	Mechanical seal
		Bronze	Brass	Carbon ceramic/NBR
		Motor support	Shaft	
		Cast aluminium	S/S 304	

Motor	Poles	Enclosure	Insulation
	2 pole	IP44	Class F

Temperature	PE50BR(T)	Maximum fluid (°C)	Maximum ambient (°C)
		90	40
	KPM50BR	Maximum fluid (°C)	Maximum ambient (°C)
		60	40



PE50BR



KPM50BR

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1289	KPM50BR	1"	1"	0.37	230	40	40	120x255x144	6.5
12-15-1001	PE50BR	1"	1"	0.37	230	40	40	120x260x153	6.4
12-15-1009	PE50BRT	1"	1"	0.37	400	40	40	120x260x153	5.7



PB • GP90(S)

BRONZE • STAINLESS STEEL

PB100 and **GP90(S)** pumps are non self-priming, peripheral centrifugal pumps with brass or stainless-steel pump bodies. Capable of high heads and pressures in domestic and industrial applications. Optional pressure controller (see pages 98 & 99) will provide dry-run protection and automatic operation.

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 7 mtrs

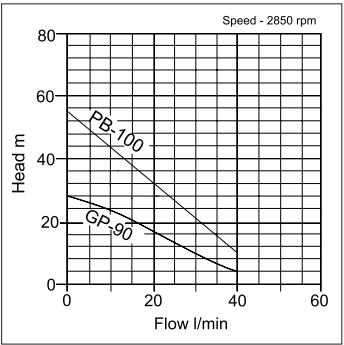
Fluid: Clean water | Temperature: 0 - 60°C

Application: Industry | Processing | Domestic | Boosting | Welfare units | Boiler feed



PB-GP90(S)	Type	Impeller	Body
	Regenerative	Turbine	Alloy

Pump	PB100	Pump body	Impeller	Mechanical seal
		Bronze	Brass	Cbn-ceramic/NBR
		Motor support	Shaft	
		Cast aluminium	S/S 420	
	GP90(5)	Pump body	Impeller	Mechanical seal
		S/S 304	S/S 304	Si-carbide/Viton
		Motor support	Shaft	
		Grey cast iron	S/S 410	



Motor	PB100	Poles	Enclosure	Insulation
		2 pole	IP44	Class F
	GP90(S)	Poles	Enclosure	Insulation
		2 pole	IP54	Class F

Temperature	PB100	Maximum fluid (°C)	Maximum ambient (°C)
		90	40
	GP90(S)	Maximum fluid (°C)	Maximum ambient (°C)
		60	40



PB100



GP90(S)

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
15-15-1002	GP90(S)	1"	1"	0.2	230	40	28	170x252x168	6.5
15-15-1003	GP90(S)	1"	1"	0.2	400	40	28	170x252x168	6.5
12-15-1006	PB100	1"	1"	1.0	230	40	55	155x273x169	7.7
12-15-1016	PB100	1"	1"	1.0	400	40	55	155x273x169	7.7

AKM60

SELF-PRIMING

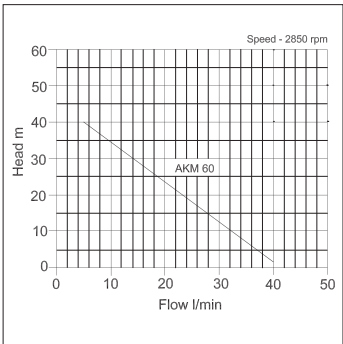


The **AKM60** is a self-priming, peripheral centrifugal pump with a cast iron body. Capable of high heads and pressures in domestic and industrial applications. Optional pressure controller (see pages 98 & 99) will provide dry-run protection and automatic operation.

Operating Conditions: Continuous duty | Max. ambient temperature: 40°C | Max. suction lift : 7 mtrs

Fluid: Clean water | Temperature: 0 - 60°C

Application: Industry | Processing | Domestic | Boosting | Circualting



AKM60	Type	Impeller	Body
	Regenerative	Turbine	Iron

Pump	Pump body	Impeller	Mechanical seal
	Cast iron	Brass	Carbon ceramic/NBR
	Motor support	Shaft	
	Cast iron	S/S 304	

Motor	Poles	Enclosure	Insulation
	2 pole	IP44	Class F



AKM60

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1102	AKM60	1"	1"	0.45	230	40	40	120x240x190	7.5

CA(M)
CAST IRON



The **CA(M)** series are single stage, self-priming “jet” pumps with cast-iron bodies. The pumps offer a wide pressure range for industrial boosting purposes, while their low operating noise, low power consumption also make them popular for a variety of domestic and horticultural applications. Optional pressure control and pump management systems are available (see pages 98 to 101).

Operating Conditions: Continuous duty | Max. ambient temperature: 40°C | Max. suction lift: 8 mtrs

Fluid: Clean water | Temperature: 0 - 35°C

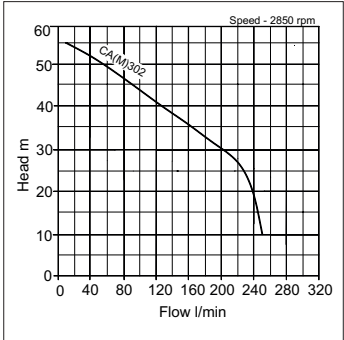
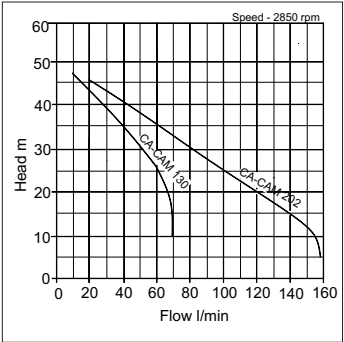
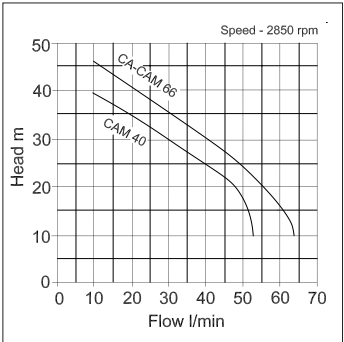
Application: Industry | Processing | Wash-down | Boosting | Transfer



CA(M)	Type	Impeller	Body
	Jet	Closed	Iron

Pump	Pump body	Impeller (CA(M)40-66)	Impeller	Diffuser
	Cast iron	Technoplastic	S/S 304	Technoplastic
	Mechanical seal	Shaft	Motor support (CA(M)40-66)	Motor support
	Carbon ceramic/NBR	S/S 304	Cast aluminium	Cast iron

Motor	Poles	Enclosure	Insulation
	2 pole	IP44	Class F



CAM202



CAM40

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1149	CAM40	1"	1"	0.60	230	52	39	162x328x193	8.7
19-15-1089	CAM66	1"	1"	0.70	230	64	47	176x352x210	12.4
19-15-1269	CA66	1"	1"	0.70	400	64	47	176x373x210	12.4
19-15-1242	CAM130	1"	1"	1.00	230	70	48	176x421x194	15.1
19-15-1245	CA130	1"	1"	1.00	400	70	48	176x421x194	15.1
19-15-1235	CAM202	1¼"	1"	1.50	230	158	46	206x505x217	28.6
19-15-1264	CA202	1¼"	1"	1.50	400	158	46	206x505x217	28.6
19-15-1297	CAM302	1½"	1¼"	2.20	230	250	55	225x525x230	30.0
19-15-1300	CA302	1½"	1¼"	2.20	400	250	55	225x525x230	30.0

KS801
WATER

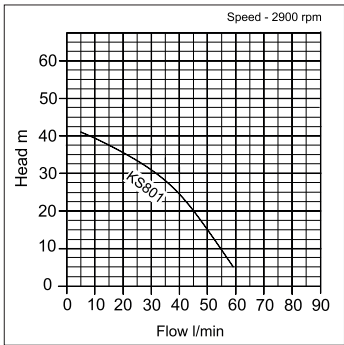


The **KS801** is a portable, single stage, self-priming “jet” pump for clean water pumping in domestic and light industrial applications. A 4 metre or 7 metre suction kit is an optional extra and includes reinforced hose, non-return valve, strainer and an air-tight pump coupling. Fitted with a water-resistant rocker switch for operator convenience, handle and large stand for portability and stability. Optional pressure controller (see pages 98 & 99) will provide dry-run protection and automatic operation.

Operating Conditions: Continuous duty | Max. ambient temperature: 40°C | Max. suction lift: 8 mtrs

Fluid: Clean water | Temperature: 0 - 35°C

Application: Domestic | Processing | Wash-down | Boosting | Transfer



KS801	Type	Impeller	Body
	Jet	Closed	Plastic

Pump	Pump body	Impeller	Diffuser
	Technoplastic	Technoplastic	Technoplastic
	Mechanical seal	Shaft	Motor support/handle
	Carbon ceramic/NBR	S/S 304	Technoplastic

Motor	Poles	Enclosure	Insulation	Power cable (2 mtr)
	2 pole	IP44	Class F	Rubber



KS801



Suction Kit

item code	model	inlet (BSPM)	outlet (BSPM)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1213	KS801	1"	1"	0.6	230	58	42	235x385x290	7.5
19-85-1002	Optional extra: 4 metre suction kit c/w foot valve and strainer								1.3
19-85-1001	Optional extra: 7 metre suction kit c/w foot valve and strainer								1.8



KS1100/PA

SEAWATER

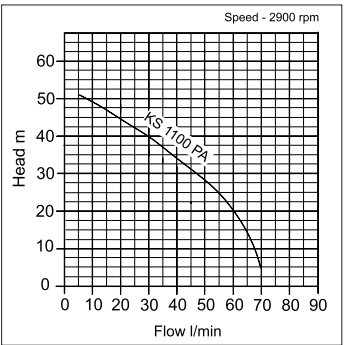
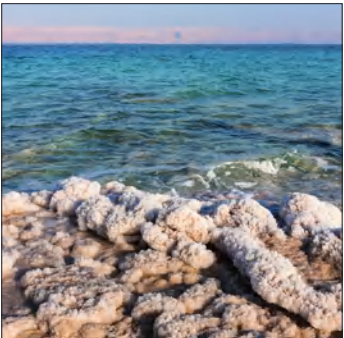
The **KS1100/PA** is a portable, single stage, self-priming “jet” pump specifically designed for pumping seawater. Fitted with a water-resistant rocker switch, for operator convenience, handle and large stand, for portability and stability.

316 stainless steel is used widely in marine applications, but its corrosion resistance in contact with seawater is limited, so it cannot be considered ‘corrosion proof’. The corrosion risks increase with the effects of chloride concentrations, evaporation, temperature, aeration etc, (working individually or together); hence, the guarantee period for these models relates to the mechanical operation and may not cover all seawater conditions. Please contact our sales department for guidance.

Operating Conditions: Continuous duty | Max. ambient temperature: 40°C | Max. suction lift: 8 mtrs

Fluid: Clean water | Seawater | Temperature: 0 - 35°C

Application: Domestic | Marine | Processing | Wash-down | Boosting | Transfer



KS1100/PA	Type	Impeller	Body
	Jet	Closed	Plastic

Pump	Pump body	Impeller	Diffuser
	Polypropylene	Technoplastic	Technoplastic
	Mechanical seal	Shaft	Motor support/handle
	Si-carbide/Viton	S/S 316	Technoplastic

Motor	Poles	Enclosure	Insulation	Power cable (2 mtr)
	2 pole	IP44	Class F	Rubber



KS1100/PA

item code	model	inlet (BSPM)	outlet (BSPM)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1296	KS1100/PA	1"	1"	0.86	230	70	50	209x415x284	11.0

CA(M)
STAINLESS STEEL

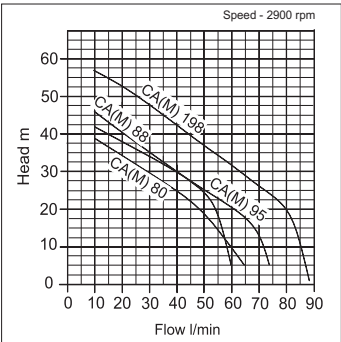


The **CA(M)** series are single stage, self-priming “jet” pumps with stainless-steel bodies. The pumps offer a wide pressure range for industrial boosting purposes, while their low operating noise, low power consumption and light weight also make them popular for a variety of domestic and horticultural applications. Optional pressure controller (see pages 98 & 99) will provide dry-run protection and automatic operation. All models are supplied free-standing, but a full frame is an available as an optional extra for ease of handling and added protection.

Operating Conditions: Continuous duty | Max. ambient temperature: 40°C | Max. suction lift: 8 mtrs

Fluid: Clean water | Temperature: 0 - 35°C

Application: Industry | Processing | Wash-down | Boosting | Irrigation | Transfer



CA(M)	Type	Impeller	Body
	Jet	Closed	Stainless steel

Pump	Pump body	Impeller (CA(M)80-85)	Impeller (CA(M)88-198)	Diffuser
	S/S 304	Technoplastic	S/S 304	Technoplastic
	Mechanical seal	Shaft	Pump flange	Motor support
	Carbon ceramic/NBR	S/S 304	S/S 304	Cast aluminium

Motor	Poles	Enclosure	Insulation
	2 pole	IP44	Class F



CAM80



CAM198

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1209	CAM80	1"	1"	0.6	110	55	38	166x320x180	6.1
19-15-1204	CAM80	1"	1"	0.6	230	55	38	166x320x180	6.1
19-15-1000	CA80	1"	1"	0.6	400	55	38	166x320x180	6.1
19-15-1238	CAM88	1"	1"	0.75	110	60	46	184x370x200	9.9
19-15-1254	CAM88	1"	1"	0.75	230	60	46	184x370x200	9.9
19-15-1207	CA88	1"	1"	0.75	400	60	46	184x370x200	9.9
19-15-1053	CAM95	1"	1"	0.75	110	78	44	206x415x212	10.0
19-15-1218	CAM95	1"	1"	0.75	230	78	44	206x415x212	10.0
19-15-1097	CA95	1"	1"	0.75	400	78	44	206x415x212	10.0
19-15-1085	CAM198	1¼"	1"	1.1	230	87	56	206x432x230	13.5
19-15-1278	CA198	1¼"	1"	1.1	400	87	56	206x432x230	13.5
12-85-1060	Optional extra: full protection frame (FR002) to fit CA(M)80 & CA(M)88 (without Logicpress).							300x440x360	3.9
12-85-1026	Optional extra: full protection frame (FR005) to fit CA(M)80 & CA(M)88 (with Logicpress)							300x440x470	4.1

CA(M)

DEEP SUCTION

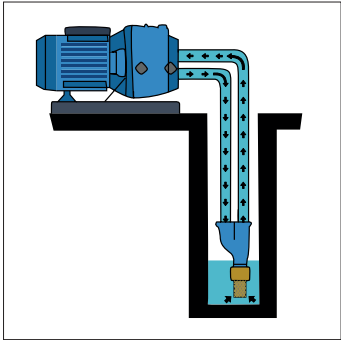


The **CA(M)** series are twin impeller, self-priming centrifugal pumps with cast iron bodies and ejectors. The pumps offer deep suction and a wide pressure range for industrial boosting purposes, while their low operating noise, low power consumption also make them popular for processing and horticultural applications. They are capable of self-priming up to 9 metres, with deeper suction of up to 35 metres possible, by re-fitting the integral ejector to the end of the suction pipe with a foot-valve (not supplied). Optional pressure controller (see pages 98 & 99) will provide dry-run protection and automatic operation.

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 9-35 mtrs

Fluid: Clean water | Temperature: 0 - 35°C

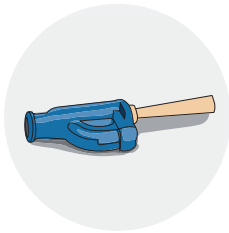
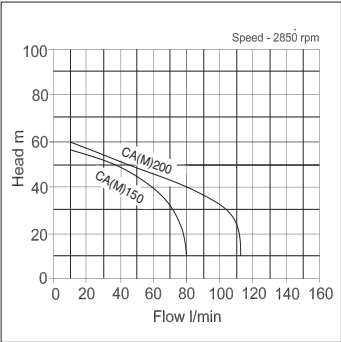
Application: Industry | Processing | Wash-down | Horticulture | Wells & boreholes



CA(M)	Type	Impellers	Body
	Deep suction	Closed	Iron

Pump	Pump body	Impellers	Diffuser
	Cast iron	Technoplastic	Technoplastic
	Mechanical seal	Shaft	Motor support
	Carbon ceramic/NBR	S/S 304	Cast iron

Motor	Poles	Enclosure	Insulation
	2 pole	IP55	Class F



CA150

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1178	CAM150	1½"	1"	1.1	230	80	58	220x605x240	28
19-15-1217	CA150	1½"	1"	1.1	400	80	58	220x605x240	28
19-15-1258	CAM200	1½"	1"	1.5	230	112	60	220x605x240	29
19-15-1056	CA200	1½"	1"	1.5	400	112	60	220x605x240	29

CMX • CTX
SINGLE IMPELLER



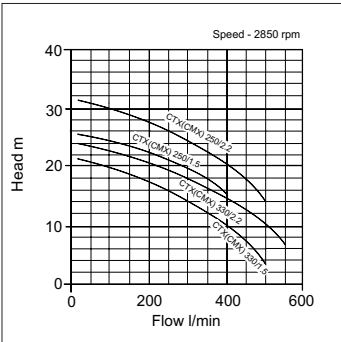
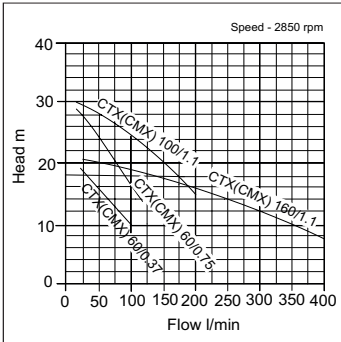
The **CMX** and **CTX** are non self-priming, single-stage, centrifugal pumps. They are designed for pressure boosting, water supply, treatment and irrigation, air-conditioning and general transfer applications, but can also pump moderately aggressive liquids*. Optional pump control and energy management systems are available (see pages 98 to 101).

**We strongly recommend that you provide our sales department with written details of your application so that the correct selection can be made.*

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 7 mtrs

Fluid: Clean water | Temperature: 0 - 90°C

Application: Industry | Processing | Agriculture | Transfer | Water supply | Light chemicals



CMX-CTX	Type	Impeller	Body
	End suction	Closed	Stainless steel

Pump	Pump body	Impeller	Mechanical seal
	S/S 304	S/S 304	Si-carbide/EPDM
	Shaft	Pump flange	Motor support
	S/S 304	S/S 304	Cast aluminium

Motor	Poles	Enclosure (CMX(T)60)	Enclosure	Insulation
	2 pole	IP44	IP55	Class F



CMX 60/0.37

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1265	CMX 60/0.37	1¼"	1"	0.37	230	100	19	216x333x227	10
19-15-1037	CTX 60/0.37	1¼"	1"	0.37	400	100	19	216x333x227	10
19-15-1266	CMX 60/0.75	1¼"	1"	0.75	230	120	29	216x333x227	14
19-15-1172	CTX 60/0.75	1¼"	1"	0.75	400	120	29	216x333x227	14
19-15-1138	CMX 100/1.1	1¼"	1"	1.1	230	200	30	216x360x227	16
19-15-1233	CTX 100/1.1	1¼"	1"	1.1	400	200	30	216x360x227	16
19-15-1059	CMX 160/1.1	1½"	1¼"	1.1	230	400	21	216x371x238	16
19-15-1262	CTX 160/1.1	1½"	1¼"	1.1	400	400	21	216x371x238	16
19-15-1117	CMX 250/1.5	1½"	1¼"	1.5	230	400	25	216x371x238	20
19-15-1038	CTX 250/1.5	1½"	1¼"	1.5	400	400	25	216x371x238	20
19-15-1105	CMX 250/2.2	1½"	1¼"	2.2	230	500	31	216x418x245	23
19-15-1202	CTX 250/2.2	1½"	1¼"	2.2	400	500	31	216x418x245	23
19-15-1047	CMX 330/1.5	2"	1¼"	1.5	230	500	21	216x371x238	20
19-15-1095	CTX 330/1.5	2"	1¼"	1.5	400	500	21	216x371x238	20
19-15-1230	CMX 330/2.2	2"	1¼"	2.2	230	550	24	216x418x245	23
19-15-1122	CTX 330/2.2	2"	1¼"	2.2	400	550	24	216x418x245	23



The **C(M)** series pumps are non-self priming, single-stage, mono-bloc centrifugal pumps. They are designed for pumping clean water only in many domestic, industrial and agricultural applications. Optional pressure control and pump management systems are available (see pages 98 to 101).

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 7 mtrs

Fluid: Clean water | Temperature: 0 - 60°C & 90°C

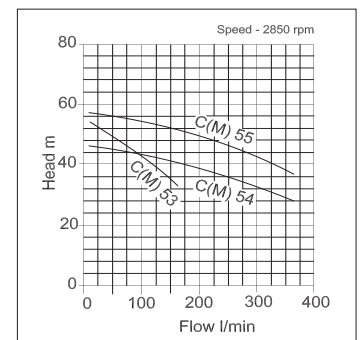
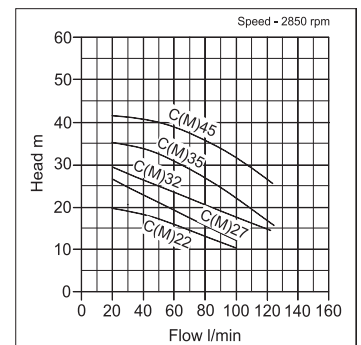
Application: Industry | Processing | Agriculture | Transfer | Mixing | Circulating



C(M)	Type	Impellers	Body
	End suction	Closed	Iron

Pump	Pump body	Impellers (C(M)27)	Impellers (C(M)22 & 32)	Impellers (C(M)35-55)
	Cast iron	Technoplastic	S/S 304	Brass
	Mechanical seal	Motor support		
	Carbon ceramic/NBR	Cast iron	S/S 304	

Motor	Poles	Enclosure (C(M)22-32)	Enclosure (C(M)35-55)	Insulation
	2 pole	IP44	IP55	Class F



CM22

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1034	CM22	1"	1"	0.37	230	100	20	164x260x205	7.5
19-15-1275	C22	1"	1"	0.37	400	100	20	164x260x205	7.5
19-15-1223	CM27	1"	1"	0.55	230	100	27	186x300x229	8.7
19-15-1006	C27	1"	1"	0.55	400	100	27	186x300x229	8.7
19-15-1065	CM32	1"	1"	0.75	230	125	29	186x300x229	11.1
19-15-1263	C32	1"	1"	0.75	400	125	29	186x300x229	11.1
19-15-1261	CM35	1 1/4"	1"	1.1	230	140	36	222x365x305	21.8
19-15-1188	C35	1 1/4"	1"	1.1	400	140	36	222x365x305	21.8
19-15-1189	CM45	1 1/4"	1"	1.5	230	140	43	222x365x305	22.4
19-15-1048	C45	1 1/4"	1"	1.5	400	140	43	222x365x305	22.4
19-15-1096	CM53	1 1/4"	1"	2.2	230	140	53	224x410x305	27
19-15-1168	C53	1 1/4"	1"	2.2	400	140	53	224x410x305	27
19-15-1032	CM54	2"	1 1/4"	3	230	360	46	256x485x323	40
19-15-1144	C54	2"	1 1/4"	3	400	360	46	256x485x323	40
19-15-1025	CM55	2"	1 1/4"	4	230	360	56	256x475x323	42
19-15-1163	C55	2"	1 1/4"	4	400	360	56	256x475x323	42

GA(M)100
OPEN IMPELLER

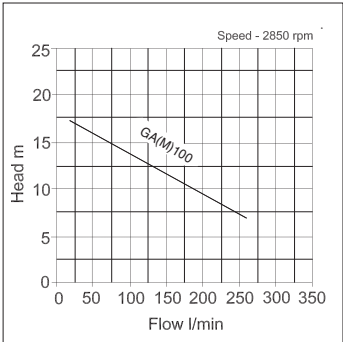


GA(M)100 is a non self-priming, single-stage, centrifugal pump. With an open impeller, it can pump non-aggressive liquids, which are slightly dirty and is designed for irrigation and general circulation, in industrial applications. Optional pump control and energy management systems are available (see pages 100 to 101).

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 8 mtrs

Fluid: Clean water | Slightly dirty water | Temperature: 0 - 90°C

Application: Industry | Agriculture | Horticulture | Transfer | Circulating



GA(M)100	Type	Impeller	Body
	End suction	Open	Iron

Pump	Pump body	Impeller	Mechanical seal
	Cast iron	Brass	Carbon ceramic/NBR
	Motor support	Shaft	
	Cast iron	S/S 304	

Motor	Poles	Enclosure	Insulation
	2 pole	IP44	Class F



GAM100

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1071	GAM100	1½"	1½"	0.75	230	260	17	182x311x232	15
19-15-1224	GA100	1½"	1½"	0.75	400	260	17	182x311x232	15



WX(M)-A
OPEN IMPELLER

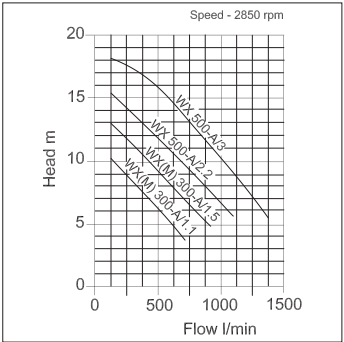
The **WX(M)-A** series are non self-priming, single-stage, centrifugal pumps. With open impellers and hard faced mechanical seals they can handle liquids that are moderately aggressive* and abrasive, so they suit food processing, washing and cleaning applications (which need the conveyance of residual suspended solids) and general circulation. Optional pump control and energy management systems are available (see pages 100 to 101).

**We strongly recommend that you provide our sales department with written details of your application so that the correct selection can be made.*

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 8 mtrs

Fluid: Clean water | Slightly dirty water | Light chemicals | 25% glycol | Temp: 0 - 90°C

Application: Industry | Agriculture | Processing | Transfer | Circulating



WX(M)-A	Type	Impeller	Body
	End suction	Open	Stainless steel

Pump	Pump body	Impeller	Mechanical seal
	S/S 304	S/S 304	Silicon-silicon/Viton
	Motor support	Shaft	
	Cast aluminim	S/S 304	

Motor	Poles	Enclosure	Insulation
	2 pole	IP55	Class F



WX 500-A/3

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1141	WXM 300-A/1.1	2"	2"	1.1	230	700	10.5	193x378x265	16
19-15-1049	WX 300-A/1.1	2"	2"	1.1	400	700	10.5	193x378x265	16
19-15-1162	WXM 300-A/1.5	2"	2"	1.5	230	900	13	193x378x265	17.5
19-15-1222	WX 300-A/1.5	2"	2"	1.5	400	900	13	193x378x265	17.5
19-15-1112	WX 500-A/2.2	2½"	2"	2.2	400	1100	15	193x415x242	22
19-15-1022	WX 500-A/3	2½"	2"	3	400	1400	18	193x432x242	23

CF(M)
SINGLE IMPELLER

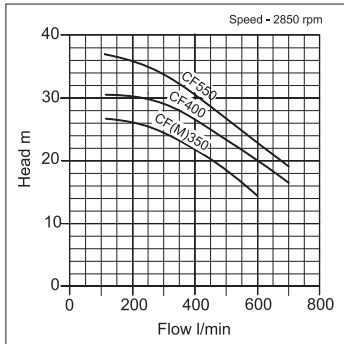
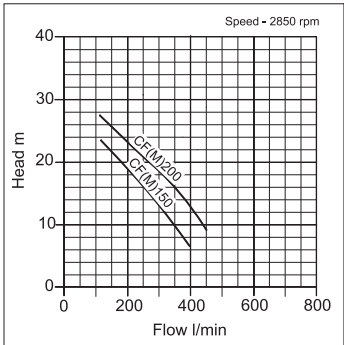


The **CF(M)** pumps are non-self priming, single-stage, mono-bloc, centrifugal pumps. For the pumping of clean water only, they are designed for many domestic, industrial and agricultural applications. Optional pump control and energy management systems are available (see pages 100 to 101).

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 7 mtrs

Fluid: Clean water | Temperature: 0 - 90°C

Application: Industry | Agriculture | Processing | Circulating | Mixing | Transfer



CF(M)	Type	Impeller	Body
	End suction	Closed	Iron

Pump	Pump body	Impeller	Impeller (BR)
	Cast iron	Cast iron	Brass
	Mechanical seal	Motor support	Shaft
	Carbon ceramic/NBR	Cast iron	S/S 304

Motor	Poles	Enclosure	Insulation
	2 pole	IP55	Class F



CF(M) series

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1293	CFM150(BR)	2"	2"	1.1	230	400	24	220x394x286	22.2
19-15-1228	CF150	2"	2"	1.1	400	400	24	220x394x286	22.2
19-15-1151	CFM200(BR)	2"	2"	1.5	230	450	27	220x394x286	24.2
19-15-1241	CF200	2"	2"	1.5	400	450	27	220x394x286	24.2
19-15-1042	CFM350	3"	2"	2.2	230	600	27	235x430x309	28.9
19-15-1276	CF350	3"	2"	2.2	400	600	27	235x430x309	28.9
19-15-1203	CF400	3"	2"	3	400	700	31	235x496x309	31.2
19-15-1125	CF550	3"	2"	4	400	700	37	235x496x309	38.1

2C(M)

TWIN IMPELLER

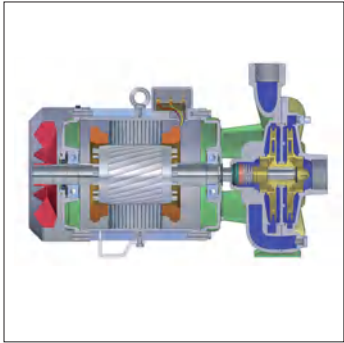


The **2C(M)** series are non-self priming, twin-stage, mono-bloc, centrifugal pumps. For the pumping of clean water only they are suitable for sprinkling and pressurisation in industrial and agricultural applications. Optional pump control and energy management systems are available (see pages 98 to 101).

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 7 mtrs

Fluid: Clean water | Temperature: 0 - 90°C

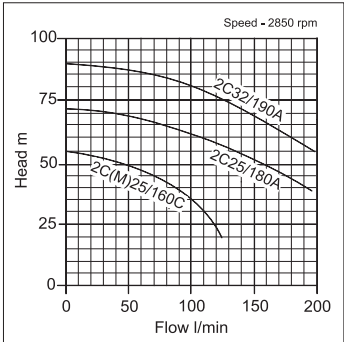
Application: Industry | Agriculture | Processing | Circulating | Mixing | Transfer



2CM	Type	Impellers	Body
	End suction	Closed	Iron

Pump	Pump body	Impellers	Mechanical seal
	Cast iron	Brass	Carbon ceramic/NBR
	Motor support	Shaft	
	Cast iron	S/S 304	

Motor	Poles	Enclosure	Insulation
	2 pole	IP55	Class F



2C and 2CM series

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1280	2CM 25/160C	1¼"	1"	1.1	230	125	56	222x400x265	23
19-15-1111	2C 25/160C	1¼"	1"	1.1	400	125	56	222x400x265	23
19-15-1183	2C 25/180A	1¼"	1"	3	400	200	73	246x440x290	41
19-15-1267	2C 32/190A	1½"	1¼"	4	400	200	88	272x495x340	53

RS(M)

HORIZONTAL MULTI-STAGE

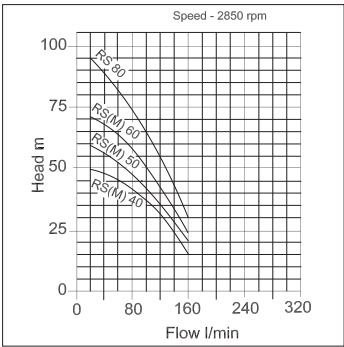


The **RS(M)** are non self-priming, multi-stage, horizontal centrifugal pumps. For the pumping of clean water only, they develop high pressures from comparatively small motors and operate virtually silent, hence they are suitable for domestic use, in addition to industrial and horticultural applications. Optional pump control and energy management systems are available (see pages 98 to 101).

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 7 mtrs

Fluid: Clean water | Temperature: 0 - 35°C

Application: Pressurisation units | Fire fighting | Washing | Condensate | Water supply | Cooling



RS(M)	Type	Impellers	Body & Casing
	Horizontal multi-stage	Closed	Iron & Stainless steel

Pump	Pump body	Pump casing	Diffusers	Impellers
	Cast iron	S/S 304	Technoplastic	Technoplastic
	Mechanical seal	Motor support & outlet	Shaft	
	Carbon ceramic/NBR	Cast iron	S/S 304	

Motor	Poles	Enclosure	Insulation
	2 pole	IP55	Class F



RSM 60

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1046	RSM 40	1¼"	1"	1.5	230	160	49	194x514x242	22
19-15-1201	RS40	1¼"	1"	1.5	400	160	49	194x514x242	22
19-15-1052	RSM 50	1¼"	1"	1.9	230	160	59	194x543x242	23
19-15-1281	RS 50	1¼"	1"	1.9	400	160	59	194x543x242	23
19-15-1079	RSM 60	1¼"	1"	2.2	230	160	71	194x572x242	24
19-15-1143	RS 60	1¼"	1"	2.2	400	160	71	194x572x242	24
19-15-1074	RS 80	1¼"	1"	3	400	160	95	194x630x242	25

RA(M)

HORIZONTAL MULTI-STAGE



RA(M) are self-priming, multi-stage, horizontal centrifugal pumps. For the pumping of clean water only, they develop high pressures from comparatively small motors and operate virtually silent, hence they are suitable for domestic use, in addition to industrial and horticultural applications. 1.5kW and 1.9kW models feature hard faced mechanical seals. Optional pump control and energy management systems are available (see pages 98 to 101).

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 7 mtrs

Fluid: Clean water | Temperature: 0 - 35°C

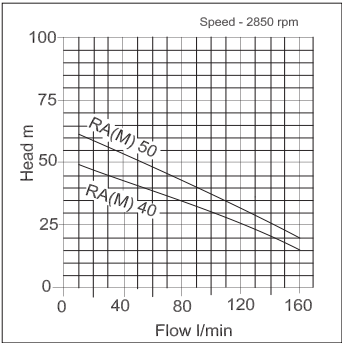
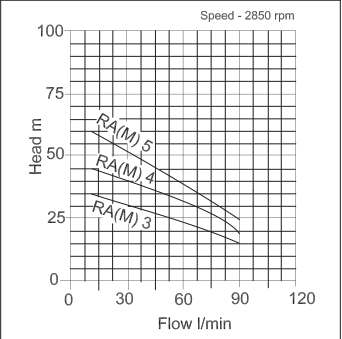
Application: Pressurisation units | Fire fighting | Washing | Condensate | Water supply | Cooling



RA(M)	Type	Impellers	Body & Casing
	Horizontal multi-stage	Closed	Iron & Stainless steel

Pump	Pump body	Pump casing	Diffusers	Impellers
	Cast iron	S/S 304	Technoplastic	Technoplastic
	Mechanical seal (3-4-5)	Mechanical seal	Motor support & outlet	Shaft
	Carbon ceramic/NBR	Silicon-silicon/NBR	Cast iron	S/S 304

Motor	Poles	Enclosure (3-4-5)	Enclosure	Insulation
	2 pole	IP44	IP55	Class F



RAM 4

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1198	RAM 3	1"	1"	0.6	230	90	34	180x398x185	13
19-15-1009	RAM 4	1"	1"	0.7	230	90	45	180x422x185	14
19-15-1120	RAM 5	1"	1"	1.1	230	90	60	180x446x185	15
19-15-1160	RA 5	1"	1"	1.1	400	90	60	180x446x185	15
19-15-1106	RAM 40	1¼"	1"	1.5	230	160	49	194x533x242	22
19-15-1167	RA 40	1¼"	1"	1.5	400	160	49	194x533x242	22
19-15-1137	RAM 50	1¼"	1"	1.9	230	160	61	194x562x242	23
19-15-1173	RA 50	1¼"	1"	1.9	400	160	61	194x562x242	23

RSX(M)2

HORIZONTAL MULTI-STAGE

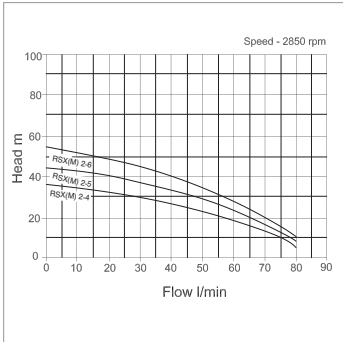


RSX(M)2 are non self-priming, multi-stage, horizontal centrifugal pumps with all the components that are in contact with the liquid constructed in 304 stainless steel. For the pumping of clean water only, they develop high pressures from comparatively small motors and operate virtually silent, hence they are suitable for domestic use, in addition to industrial, horticultural and processing applications. Optional pump control and energy management systems are available (see pages 98 to 101).

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 7 mtrs

Fluid: Clean water | Temperature: 0 - 90°C

Application: Pressurisation units | Sprinklers | Washing | Irrigation | Water supply | Cooling



RSX(M)2	Type	Impellers	Body & Casing
	Horizontal multi-stage	Closed	Stainless steel

Pump	Pump body	Pump casing	Diffusers	Impellers
	S/S 304	S/S 304	S/S 304	S/S 304
	Mechanical seal	Outlet casing	Motor support	Shaft
	Carbon ceramic/Viton	S/S 304	Cast iron	S/S 304

Motor	Poles	Enclosure	Insulation
	2 pole	IP55	Class F



RSXM2-4

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1205	RSXM2-4	1"	1"	0.55	230	80	36	143x362x216	9.5
19-15-1023	RSX2-4	1"	1"	0.55	400	80	36	143x362x216	9.5
19-15-1133	RSXM2-5	1"	1"	0.55	230	80	45	143x380x216	9.5
19-15-1100	RSX2-5	1"	1"	0.55	400	80	45	143x380x216	9.5
19-15-1040	RSXM2-6	1"	1"	0.75	230	80	55	143x398x216	10.5
19-15-1220	RSX2-6	1"	1"	0.75	400	80	55	143x398x216	10.5



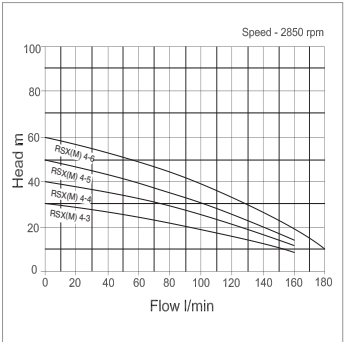
RSX(M)4
HORIZONTAL MULTI-STAGE

RSX(M)4 are non self-priming, multi-stage, horizontal centrifugal pumps with all the components that are in contact with the liquid constructed in 304 stainless steel. For the pumping of clean water only, they develop high pressures from comparatively small motors and operate virtually silent, hence they are suitable for domestic use, in addition to industrial, horticultural and processing applications. Optional pump control and energy management systems are available (see pages 98 to 101).

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 7 mtrs

Fluid: Clean water | Temperature: 0 - 90°C

Application: Pressurisation units | Sprinklers | Washing | Irrigation | Water supply | Cooling



RSX(M)4	Type	Impellers	Body & Casing
	Horizontal multi-stage	Closed	Stainless steel

Pump	Pump body	Pump casing	Diffusers	Impellers
	S/S 304	S/S 304	S/S 304	S/S 304
	Mechanical seal	Outlet casing	Motor support	Shaft
	Carbon ceramic/Viton	S/S 304	Cast iron	S/S 304

Motor	Poles	Enclosure	Insulation
	2 pole	IP55	Class F

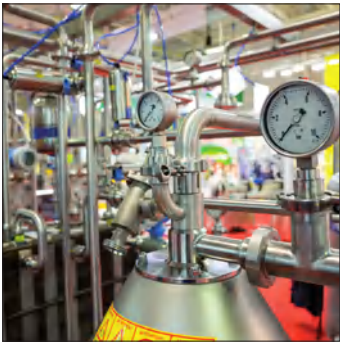


RSXM4-4

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1272	RSXM4-3	1¼"	1"	0.55	230	160	30	143x362x216	10
19-15-1184	RSX4-3	1¼"	1"	0.55	400	160	30	143x362x216	10
19-15-1294	RSXM4-4	1¼"	1"	0.75	230	160	40	143x389x216	10.5
19-15-1208	RSX4-4	1¼"	1"	0.75	400	160	40	143x389x216	10.5
19-15-1169	RSXM4-5	1¼"	1"	0.75	230	160	50	143x416x216	11
19-15-1210	RSX4-5	1¼"	1"	0.75	400	160	50	143x416x216	11
19-15-1086	RSXM4-6	1¼"	1"	1.1	230	180	60	143x443x216	12
19-15-1150	RSX4-6	1¼"	1"	1.1	400	180	60	143x443x216	12

RSX(M)10

HORIZONTAL MULTI-STAGE

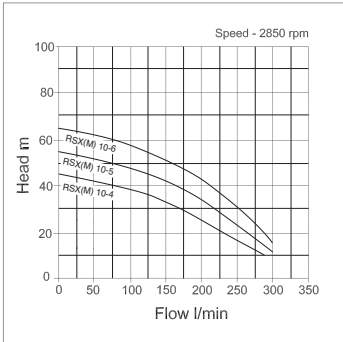


RSX(M)10 are non self-priming, multi-stage, horizontal centrifugal pumps with all the components that are in contact with the liquid constructed in 304 stainless steel. For the pumping of clean water only, they develop high pressures from comparatively small motors and operate virtually silent, hence they are suitable for domestic use, in addition to industrial, horticultural and processing applications. Optional pump control and energy management systems are available (see pages 100 to 101).

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 7 mtrs

Fluid: Clean water | Temperature: 0 - 90°C

Application: Pressurisation units | Sprinklers | Washing | Irrigation | Water supply | Cooling



RSX(M)10	Type	Impellers	Body & Casing
	Horizontal multi-stage	Closed	Stainless steel

Pump	Pump body	Pump casing	Diffusers	Impellers
	S/S 304	S/S 304	S/S 304	S/S 304
	Mechanical seal	Outlet casing	Motor support	Shaft
	Carbon ceramic/Viton	S/S 304	Cast iron	S/S 304

Motor	Poles	Enclosure	Insulation
	2 pole	IP55	Class F



RSXM10-4

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1248	RSXM10-4	1½"	1½"	1.5	230	280	44	165x442x254	19
19-15-1259	RSX10-4	1½"	1½"	1.5	400	280	44	165x442x254	19
19-15-1237	RSXM10-5	1½"	1½"	2.2	230	300	54	170x515x235	27
19-15-1083	RSX10-5	1½"	1½"	2.2	400	300	54	170x515x235	27
19-15-1170	RSX10-6	1½"	1½"	3	400	300	65	170x562x235	30

RV(M)

VERTICAL MULTI-STAGE

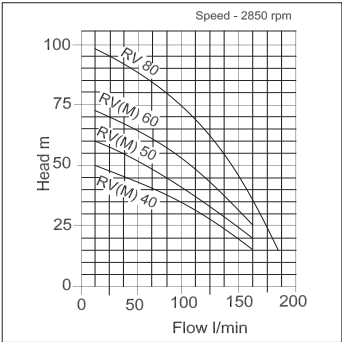


RV(M) are non self-priming, vertical multi-stage pumps. For the pumping of clean water only, they develop high pressures from comparatively small motors and operate virtually silent, hence they are suitable for domestic use, in addition to industrial, horticultural and processing applications. Optional pump control and energy management systems are available (see pages 98 to 101).

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 7 mtrs

Fluid: Clean water | Temperature: 0 - 35°C

Application: Pressurisation units | Fire fighting | Washing | Condensate | Water supply | Cooling



RV(M)	Type	Impellers	Body & Casing
	Vertical multi-stage	Closed	Iron & Stainless steel

Pump	Pump body	Pump casing	Diffusers	Impellers
	Cast iron	S/S 304	Technoplastic	Technoplastic
	Mechanical seal	Motor support & outlet	Shaft	
	Silicon-silicon/NBR	Cast iron	S/S 304	

Motor	Poles	Enclosure	Insulation
	2 pole	IP55	Class F



RVM 50

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1127	RVM 40	1¼"	1"	1.5	230	160	50	181x247x525	26
19-15-1132	RV 40	1¼"	1"	1.5	400	160	50	181x247x525	26
19-15-1243	RVM 50	1¼"	1"	1.85	230	160	60	181x247x554	27
19-15-1064	RV 50	1¼"	1"	1.85	400	160	60	181x247x554	27
19-15-1227	RVM 60	1¼"	1"	2.2	230	160	73	181x247x583	28
19-15-1017	RV 60	1¼"	1"	2.2	400	160	73	181x247x583	28
19-15-1214	RV 80	1¼"	1"	3	400	180	98	181x247x641	32

AVAILABLE NOW: ALL STAINLESS STEEL 304 MODELS RVX(M)

VS

VERTICAL MULTI-STAGE



The VS series are vertical multi-stage pumps with hard-faced mechanical seals and all components that are in contact with the liquid constructed in stainless steel. For the pumping of clean water only, they are designed for medium and large water supply applications often found in commercial, municipal and industrial applications. Optional pump control and energy management systems are available (see pages 100 to 101).

The coverage chart here enables a preliminary pump selection to narrow down the choice of pumps that will satisfy the system requirements. Curves and specifications of these pumps are found on subsequent pages.

Operating Conditions: Continuous duty | Max. ambient temperature: 40°C

Fluid: Clean water | Temperature: 0 - 110°C

Application: Pressurisation units | Fire fighting | Washing | Condensate | Water supply | Cooling



VS SERIES

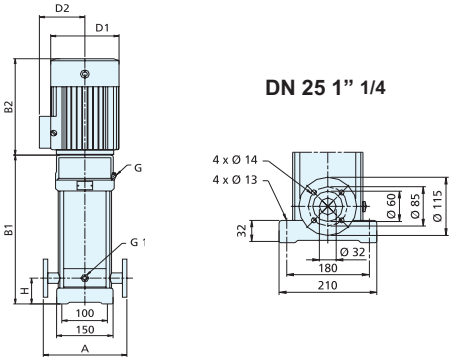
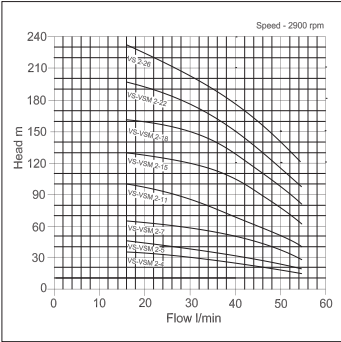
VS Series	Type	Impellers	Body & Casing
	Vertical multi-stage	Closed	Stainless steel

Pump	Base plate	Inlet/outlet casing	Inlet/outlet flanges	Diffusers
	Cast iron	S/S 304	S/S 304	S/S 304
	Impellers	Pump casing	Mechanical seal	Flange bracket (32-42-65)
	S/S 304	S/S 304	Silicon-silicon/Viton	S/S 304
	Motor bracket		Shaft	
	Cast iron		S/S 304	

Motor	Poles	Enclosure	Insulation
	2 pole	IP55	Class F

VS 2

VERTICAL MULTI-STAGE

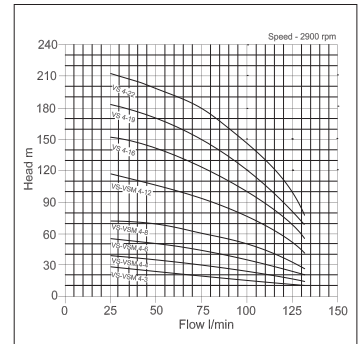
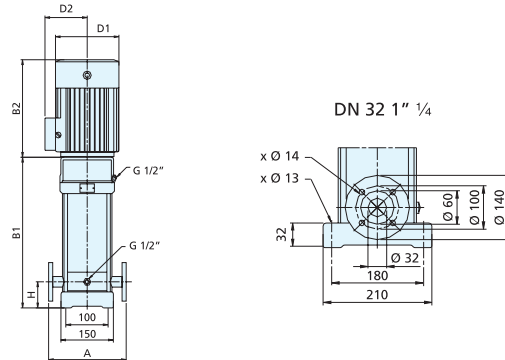


item code	model	flange/BSP	kW	volt	flow (l/min)	head (mtrs)	A	H	B1	B2	B1 + B2	D1	D2	weight (kgs)
19-15-1291	VSM2-4	DN25/1 1/4"	0.55	230	56	36	250	75	294	210	504	148	117	34
19-15-1206	VS2-4	DN25/1 1/4"	0.55	400	56	36	250	75	294	210	504	148	117	34
19-15-1126	VSM2-5	DN25/1 1/4"	0.55	230	56	45	250	75	312	210	522	148	117	35
19-15-1119	VS2-5	DN25/1 1/4"	0.55	400	56	45	250	75	312	210	522	148	117	35
19-15-1177	VSM2-7	DN25/1 1/4"	0.75	230	56	63	250	75	358	245	603	170	142	40
19-15-1273	VS2-7	DN25/1 1/4"	0.75	400	56	63	250	75	358	245	603	170	142	40
19-15-1270	VSM2-11	DN25/1 1/4"	1.1	230	56	98	250	75	430	245	675	170	142	41
19-15-1067	VS2-11	DN25/1 1/4"	1.1	400	56	98	250	75	430	245	675	170	142	41
19-15-1159	VSM2-15	DN25/1 1/4"	1.5	230	56	134	250	75	512	290	802	190	155	48
19-15-1292	VS2-15	DN25/1 1/4"	1.5	400	56	134	250	75	512	290	802	190	155	48
19-15-1010	VSM2-18	DN25/1 1/4"	2.2	230	56	161	250	75	566	290	856	190	155	55
19-15-1007	VS2-18	DN25/1 1/4"	2.2	400	56	161	250	75	566	290	856	190	155	55
19-15-1190	VSM2-22	DN25/1 1/4"	2.22	230	56	197	250	75	638	290	928	190	155	58
19-15-1274	VS2-22	DN25/1 1/4"	2.2	400	56	197	250	75	638	290	928	190	155	58
19-15-1232	VS2-26	DN25/1 1/4"	3	400	56	232	250	75	720	315	1035	197	165	65



VS 4

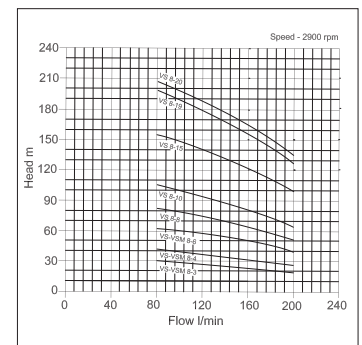
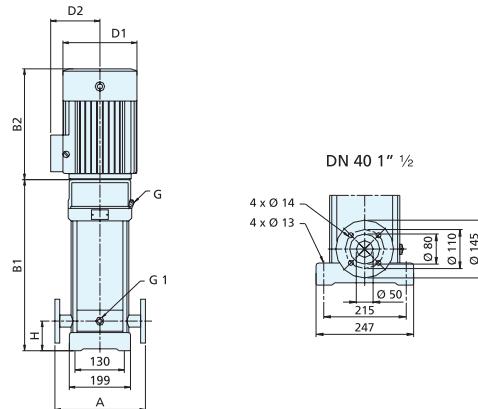
VERTICAL MULTI-STAGE



item code	model	flange/BSP	kW	volt	flow (l/min)	head (mtrs)	A	H	B1	B2	B1 + B2	D1	D2	weight (kgs)
19-15-1019	VSM4-3	DN32/1 1/4"	0.55	230	133	28	250	75	303	210	513	148	148	35
19-15-1077	VS4-3	DN32/1 1/4"	0.55	400	133	28	250	75	303	210	513	148	148	35
19-15-1092	VSM4-4	DN32/1 1/4"	0.75	230	133	38	250	75	340	245	585	170	142	39
19-15-1014	VS4-4	DN32/1 1/4"	0.75	400	133	38	250	75	340	245	585	170	142	39
19-15-1031	VSM4-6	DN32/1 1/4"	1.1	230	133	56	250	75	394	245	639	170	142	41
19-15-1021	VS4-6	DN32/1 1/4"	1.1	400	133	56	250	75	394	245	639	170	142	41
19-15-1050	VSM4-8	DN32/1 1/4"	1.5	230	133	74	250	75	458	290	748	190	155	51
19-15-1182	VS4-8	DN32/1 1/4"	1.5	400	133	74	250	75	458	290	748	190	155	51
19-15-1288	VSM4-12	DN32/1 1/4"	2.2	230	133	114	250	75	566	290	856	190	155	61
19-15-1078	VS4-12	DN32/1 1/4"	2.2	400	133	114	250	75	566	290	856	190	155	61
19-15-1142	VS4-16	DN32/1 1/4"	3	400	133	152	250	75	684	315	999	197	165	65
19-15-1024	VS4-19	DN32/1 1/4"	4	400	133	183	250	75	765	335	1100	230	188	81
19-15-1091	VS4-22	DN32/1 1/4"	4	400	133	211	250	75	846	335	1181	230	188	82

VS 8

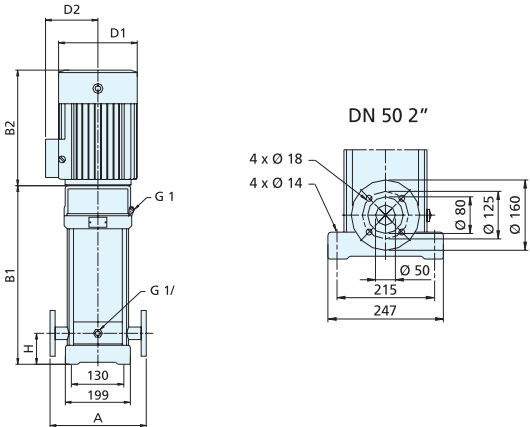
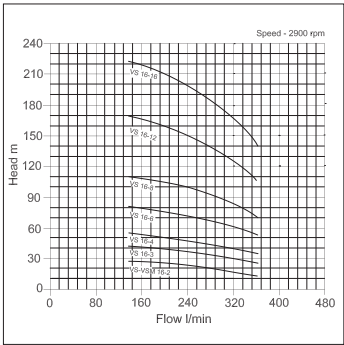
VERTICAL MULTI-STAGE



item code	model	flange/BSP	kW	volt	flow (l/min)	head (mtrs)	A	H	B1	B2	B1 + B2	D1	D2	weight (kgs)
19-15-1145	VSM8-3	DN40/1 1/2"	1.1	230	200	30	280	80	377	245	622	170	142	50
19-15-1295	VS8-3	DN40/1 1/2"	1.1	400	200	30	280	80	377	245	622	170	142	50
19-15-1116	VSM8-4	DN40/1 1/2"	1.5	230	200	41	280	80	417	290	707	190	155	62
19-15-1240	VS8-4	DN40/1 1/2"	1.5	400	200	41	280	80	417	290	707	190	155	62
19-15-1191	VSM8-6	DN40/1 1/2"	2.2	230	200	62	280	80	477	290	767	190	155	63
19-15-1192	VS8-6	DN40/1 1/2"	2.2	400	200	62	280	80	477	290	767	190	155	63
19-15-1051	VS8-8	DN40/1 1/2"	3	400	200	83	280	80	547	315	862	197	165	74
19-15-1033	VS8-10	DN40/1 1/2"	4	400	200	104	280	80	607	335	942	230	188	88
19-15-1035	VS8-15	DN40/1 1/2"	5.5	400	200	155	280	80	807	430	1237	260	208	120
19-15-1147	VS8-19	DN40/1 1/2"	7.5	400	200	197	280	80	867	430	1297	260	208	122
19-15-1029	VS8-20	DN40/1 1/2"	7.5	400	200	208	280	80	927	430	1357	260	208	124

VS 16

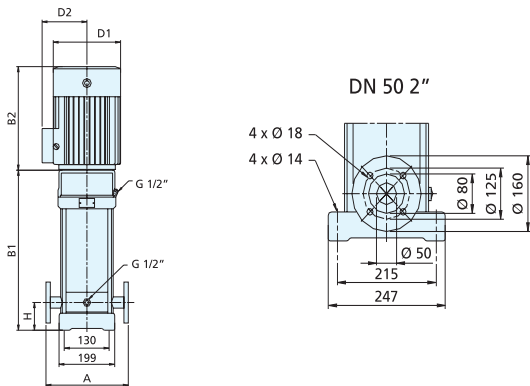
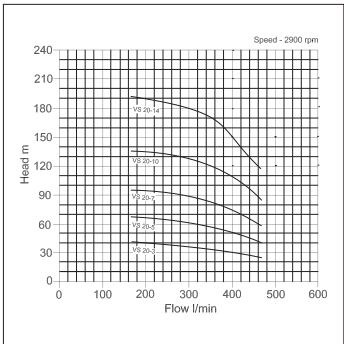
VERTICAL MULTI-STAGE



item code	model	flange/BSP	kW	volt	flow (l/min)	head (mtrs)	A	H	B1	B2	B1 + B2	D1	D2	weight (kgs)
19-15-1166	VSM16-2	DN50/2"	2.2	230	366	27	300	90	397	290	687	190	155	60
19-15-1268	VS16-2	DN50/2"	2.2	400	366	27	300	90	397	290	687	190	155	60
19-15-1041	VS16-3	DN50/2"	3	400	366	41	300	90	452	315	767	197	165	75
19-15-1114	VS16-4	DN50/2"	4	400	366	54	300	90	497	335	832	230	188	85
19-15-1028	VS16-6	DN50/2"	5.5	400	366	82	300	90	607	430	1037	260	208	110
19-15-1176	VS16-8	DN50/2"	7.5	400	366	110	300	90	697	430	1127	260	208	120
19-15-1030	VS16-12	DN50/2"	11	400	366	166	300	90	965	490	1455	330	255	205
19-15-1246	VS16-16	DN50/2"	15	400	366	222	300	90	1145	490	1635	330	255	238

VS 20

VERTICAL MULTI-STAGE

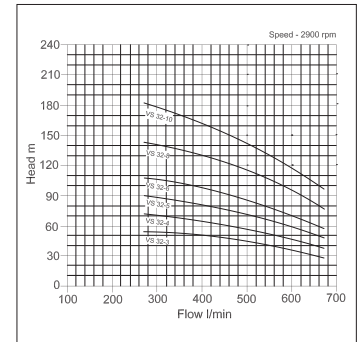
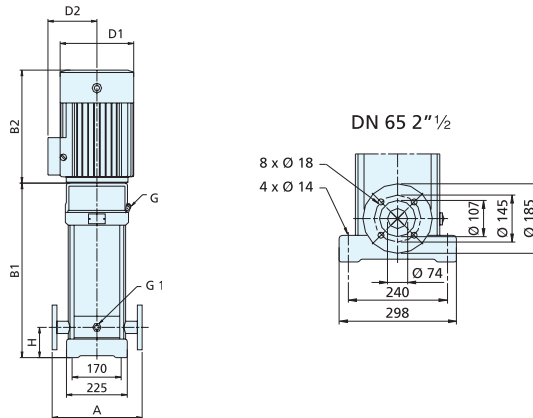


item code	model	flange/BSP	kW	volt	flow (l/min)	head (mtrs)	A	H	B1	B2	B1 + B2	D1	D2	weight (kgs)
19-15-1108	VS20-3	DN50/2"	4	400	466	41	300	90	452	335	787	230	188	57
19-15-1194	VS20-5	DN50/2"	5.5	400	466	67	300	90	562	430	992	260	208	74
19-15-1045	VS20-7	DN50/2"	7.5	400	466	95	300	90	652	430	1082	260	208	84
19-15-1099	VS20-10	DN50/2"	11	400	466	136	300	90	875	490	1365	330	255	145
19-15-1234	VS20-14	DN50/2"	15	400	466	192	300	90	1055	490	1545	330	255	165



VS 32

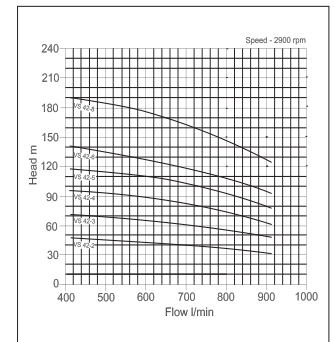
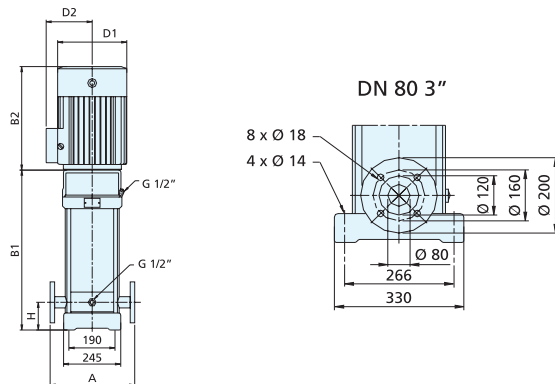
VERTICAL MULTI-STAGE



item code	model	flange/BSP	kW	volt	flow (l/min)	head (mtrs)	A	H	B1	B2	B1 + B2	D1	D2	weight (kgs)
19-15-1277	VS32-3	DN65/2 1/2"	5.5	400	666	54	320	105	645	430	1075	260	208	140
19-15-1090	VS32-4	DN65/2 1/2"	7.5	400	666	72	320	105	715	430	1145	260	208	150
19-15-1121	VS32-5	DN65/2 1/2"	11	400	666	90	320	105	890	490	1380	330	255	220
19-15-1131	VS32-6	DN65/2 1/2"	11	400	666	108	320	105	960	490	1450	330	255	230
19-15-1197	VS32-8	DN65/2 1/2"	15	400	666	144	320	105	1100	490	1590	330	255	258
19-15-1236	VS32-10	DN65/2 1/2"	18.5	400	666	182	320	105	1240	550	1790	330	255	290

VS 42

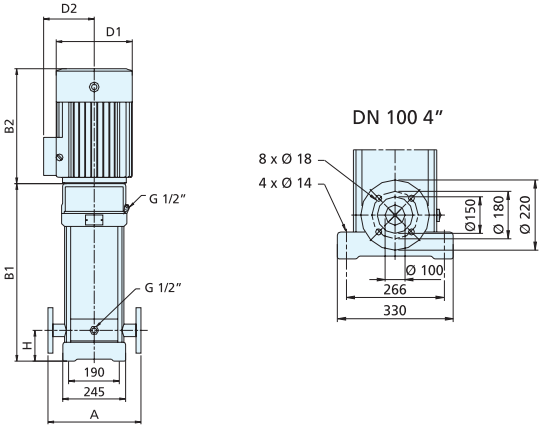
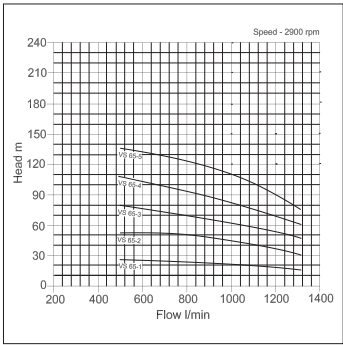
VERTICAL MULTI-STAGE



item code	model	flange/BSP	kW	volt	flow (l/min)	head (mtrs)	A	H	B1	B2	B1 + B2	D1	D2	weight (kgs)
19-15-1072	VS42-2	DN80/3"	7.5	400	916	48	365	140	641	430	1071	260	208	130
19-15-1239	VS42-3	DN80/3"	11	400	916	71	365	140	826	490	1316	330	255	205
19-15-1225	VS42-4	DN80/3"	15	400	916	95	365	140	906	490	1396	330	255	215
19-15-1005	VS42-5	DN80/3"	18.5	400	916	119	365	140	986	550	1536	330	255	235
19-15-1130	VS42-6	DN80/3"	22	400	916	143	365	140	1066	590	1656	360	285	274
19-15-1199	VS42-8	DN80/3"	30	400	916	190	365	140	1226	660	1886	400	310	340

VS 65

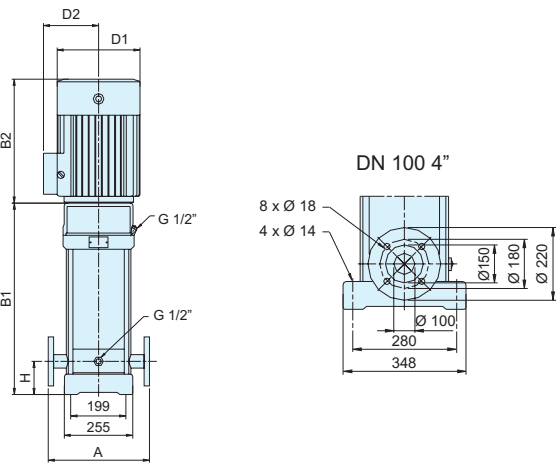
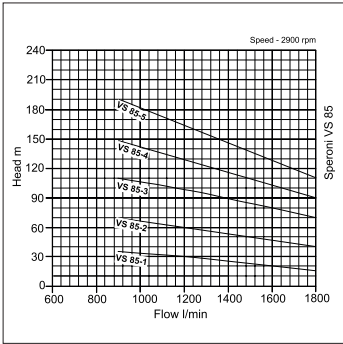
VERTICAL MULTI-STAGE



item code	model	flange/BSP	kW	volt	flow (l/min)	head (mtrs)	A	H	B1	B2	B1 + B2	D1	D2	weight (kgs)
19-15-1179	VS65-1	DN100/4"	5.5	400	1333	27	365	140	561	430	991	260	208	110
19-15-1186	VS65-2	DN100/4"	11	400	1333	53	365	140	754	490	1244	330	255	155
19-15-1070	VS65-3	DN100/4"	18.5	400	1333	80	365	140	836	550	1386	330	255	205
19-15-1044	VS65-4	DN100/4"	22	400	1333	107	365	140	919	590	1509	360	285	260
19-15-1181	VS65-5	DN100/4"	30	400	1333	136	365	140	1001	660	1661	400	310	345

VS 85

VERTICAL MULTI-STAGE



item code	model	flange/BSP	kW	volt	flow (l/min)	head (mtrs)	A	H	B1	B2	B1 + B2	D1	D2	weight (kgs)
19-15-1298	VS85-1	DN100/4"	7.5	400	1833	27	380	140	571	390	961	260	208	110
19-15-1301	VS85-2	DN100/4"	15	400	1833	53	380	140	773	500	1273	330	255	192
19-15-1303	VS85-3	DN100/4"	22	400	1833	85	380	140	865	575	1440	360	285	252
19-15-1305	VS85-4	DN100/4"	30	400	1833	110	380	140	957	650	1607	400	310	312
19-15-1307	VS85-5	DN100/4"	37	400	1833	135	380	140	1049	650	1699	400	310	336



The **CS** series are cast-iron, single-stage, mono-bloc, non self-priming centrifugal pumps manufactured in accordance with dimensional standards DIN-EN 733 (formerly DIN 24255), UNI 7467 and NF E44-111. This design permits "back pull out" i.e. for ease of maintenance the pump body can be removed without disconnecting it from the pipework. It also allows the unit to be installed in any position, except with the inlet facing down. Counter-flanges conform to UNI 2236 PN10 standards. For pumping hot or cold clean water in industrial and agricultural applications, they are designed for circulation, pressurisation, water supply and transfer. All models in the series are available with IE3 compliant motors*, which is an optional extra. Alternatively, pump control and energy management systems are also available (see pages 100 and 101)

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 7 mtrs

Fluid: Clean water | Temperature: 0 - 90°C

Application: Industry | Agriculture | Processing | Circulating | Hot water | Transfer



CS Series	Type	Impeller	Body
	End suction	Closed	Cast iron

Pump	Pump body	Impeller	Mechanical seal
	Cast iron	Cast iron	Carbon ceramic/NBR
	Motor support	Shaft	
	Cast iron	S/S 304	

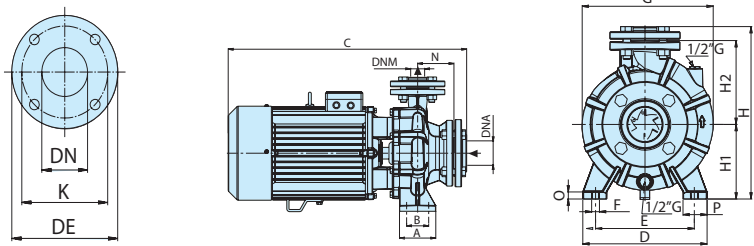
Motor	Poles	Enclosure	Insulation
	2 pole	IP55	Class F



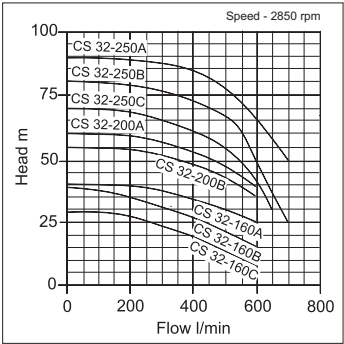
CS Series

CS 32

STANDARDISED - CAST IRON



DIMENSIONS (mm)				
DN	DE	K	HOLES	
			QTY	Ø
32	140	100	4	18
50	165	125	4	18

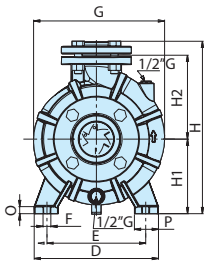
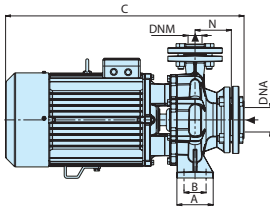
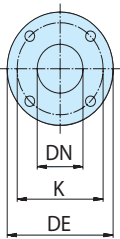
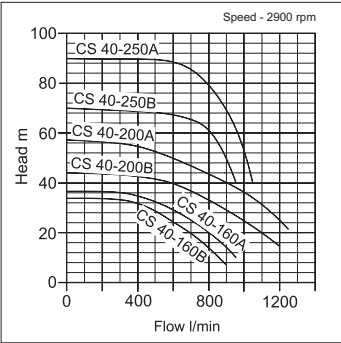


item code	model (3PH 230v-400v) *	output (kW)	flow (l/min)	head (mtrs)	DNM	DNA	A	B	C	D	E	F	G	H	H1	H2	N	O	P	weight (kgs)
19-15-1229	CS 32-160 C	1.5	500	26	32	50	100	70	480	240	190	15	240	322	132	160	80	13.5	50	36
19-15-1103	CS 32-160 B	2.2	600	29	32	50	100	70	480	240	190	15	240	322	132	160	80	13.5	50	39
19-15-1226	CS 32-160 A	3	600	37	32	50	100	70	510	240	190	15	240	322	132	160	80	13.5	50	42
19-15-1148	CS 32-200 C	4	600	40	32	50	100	70	530	240	190	15	273	370	160	180	80	15	50	52
19-15-1012	CS 32-200 B	5.5	600	55	32	50	100	70	630	240	190	15	273	370	160	180	80	15	50	63
19-15-1101	CS 32-200 A	7.5	600	60	32	50	100	70	630	240	190	15	273	370	160	180	80	15	50	69
19-15-1287	CS 32-250 C	9.2	670	70	32	50	125	95	745	320	250	15	335	445	180	225	100	18	65	83
19-15-1231	CS 32-250 B	11	700	80	32	50	125	95	745	320	250	15	335	445	180	225	100	18	65	90
19-15-1290	CS 32-250 A	15	700	88	32	50	125	95	745	320	250	15	335	445	180	225	100	18	65	120

* PREMIUM EFFICIENCY MOTOR (IE3) AVAILABLE FOR ALL MODELS (POA)

CS 40

STANDARDISED - CAST IRON



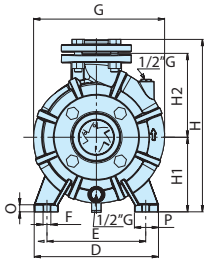
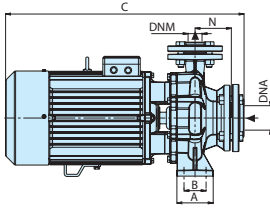
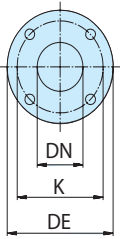
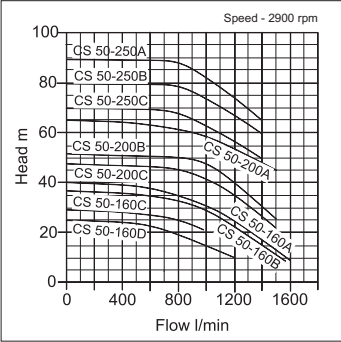
DIMENSIONS (mm)				
DN	DE	K	HOLES	
			QTY	Ø
40	150	110	4	18
65	185	145	4	18

item code	model (3PH 230v-400v) *	output (kW)	flow (l/min)	head (mtrs)	DNM	DNA	A	B	C	D	E	F	G	H	H1	H2	N	O	P	weight (kgs)
19-15-1282	CS 40-160 B	3	900	32	40	65	100	70	550	240	190	15	240	322	132	160	80	15	50	47
19-15-1087	CS 40-160 A	4	970	34	40	65	100	70	550	240	190	15	240	322	132	160	80	15	50	50
19-15-1252	CS 40-200 B	5.5	1200	46	40	65	100	70	640	265	212	15	281	370	160	180	100	15	50	65
19-15-1094	CS 40-200 A	7.5	1230	57	40	65	100	70	640	265	212	15	281	370	160	180	100	15	50	71
19-15-1247	CS 40-250 B	11	1000	72	40	65	125	95	745	320	250	15	335	435	180	225	100	18	65	91
19-15-1171	CS 40-250 A	15	1050	90	40	65	125	95	745	320	250	15	335	435	180	225	100	18	65	121

* PREMIUM EFFICIENCY MOTOR (IE3) AVAILABLE FOR ALL MODELS (POA)

CS 50

STANDARDISED - CAST IRON



DIMENSIONS (mm)				
DN	DE	K	HOLES	
			QTY	Ø
50	165	125	4	18
65	185	145	4	18

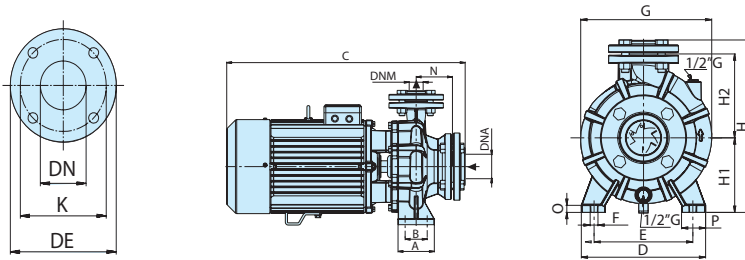
item code	model (3PH 230v-400v) *	output (kW)	flow (l/min)	head (mtrs)	DNM	DNA	A	B	C	D	E	F	G	H	H1	H2	N	O	P	weight (kgs)
19-15-1221	CS 50-160 D	3	1200	25	50	65	100	70	570	265	212	15	268	372	160	180	100	15	50	50
19-15-1066	CS 50-160 C	4	1000	30	50	65	100	70	570	265	212	15	268	372	160	180	100	15	50	60
19-15-1011	CS 50-160 B	5.5	1600	37	50	65	100	70	650	265	212	15	268	372	160	180	100	15	50	65
19-15-1098	CS 50-160 A	7.5	1600	40	50	65	100	70	650	265	212	15	268	372	160	180	100	15	50	71
19-15-1129	CS 50-200 C	9.2	1500	48	50	65	100	70	745	265	212	15	335	425	160	200	100	18	50	82
19-15-1054	CS 50-200 B	11	1500	52	50	65	100	70	745	265	212	15	335	425	160	200	100	18	50	89
19-15-1251	CS 50-200 A	15	1500	65	50	65	100	70	745	265	212	15	335	425	160	200	100	18	50	122
19-15-1073	CS 50-250 C	15	1400	70	50	65	125	95	750	320	250	15	340	435	180	225	100	18	65	125
19-15-1016	CS 50-250 B	18.5	1400	80	50	65	125	95	795	320	250	15	340	435	180	225	100	18	65	140
19-15-1256	CS 50-250 A	22.5	1400	90	50	65	125	95	825	320	250	15	360	455	180	225	100	18	65	149

* PREMIUM EFFICIENCY MOTOR (IE3) AVAILABLE FOR ALL MODELS (POA)

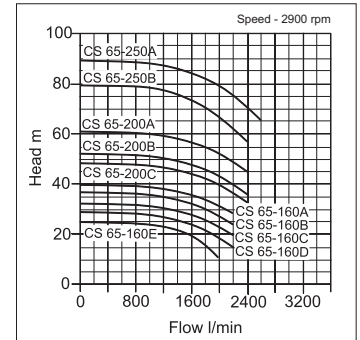


CS 65

STANDARDISED - CAST IRON



DIMENSIONS (mm)				
DN	DE	K	HOLES	
			QTY	Ø
65	185	145	4	18
80	200	160	8	18

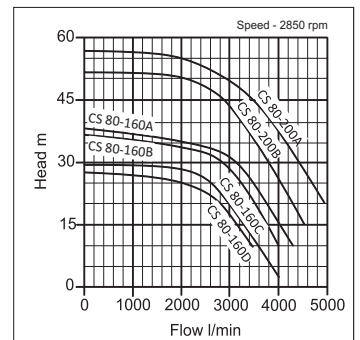
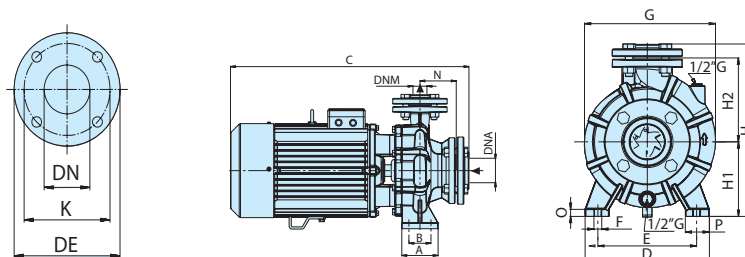


item code	model (3PH 230v-400v) *	output (kW)	flow (l/min)	head (mtrs)	DNM	DNA	A	B	C	D	E	F	G	H	H1	H2	N	O	P	weight (kgs)
19-15-1039	CS 65-160 E	5.5	2000	25	65	80	125	95	610	280	212	15	295	395	160	200	100	18	65	70
19-15-1015	CS 65-160 D	7.5	2200	29	65	80	125	95	610	280	212	15	295	395	160	200	100	18	65	80
19-15-1113	CS 65-160 C	9.2	2200	33	65	80	125	95	750	280	212	15	340	425	160	200	100	18	65	84
19-15-1286	CS 65-160 B	11	2200	36	65	80	125	95	750	280	212	15	340	425	160	200	100	18	65	90
19-15-1058	CS 65-160 A	15	2200	40	65	80	125	95	750	280	212	15	340	425	160	200	100	18	65	120
19-15-1002	CS 65-200 C	15	2400	48	65	80	125	95	745	320	250	15	335	445	180	225	100	18	65	122
19-15-1088	CS 65-200 B	18.5	2400	53	65	80	125	95	790	320	250	15	335	445	180	225	100	18	65	138
19-15-1187	CS 65-200 A	22.5	2400	61	65	80	125	95	825	320	250	15	360	455	180	225	100	18	65	148
19-15-1076	CS 65-250 B	30	2400	79	65	80	160	120	825	360	280	18	370	485	200	250	100	18	85	235
19-15-1180	CS 65-250 A	37	2600	89	65	80	160	120	825	360	280	18	370	485	200	250	100	18	85	250

* PREMIUM EFFICIENCY MOTOR (IE3) AVAILABLE FOR ALL MODELS (POA)

CS 80

STANDARDISED - CAST IRON



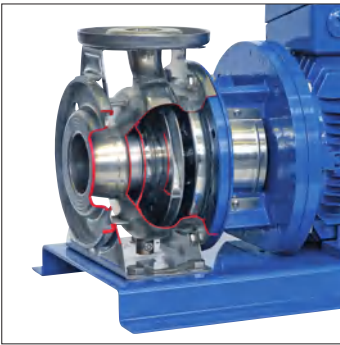
DIMENSIONS (mm)				
DN	DE	K	HOLES	
			QTY	Ø
80	200	160	8	18
100	225	180	8	18

item code	model (3PH 230v-400v) *	output (kW)	flow (l/min)	head (mtrs)	DNM	DNA	A	B	C	D	E	F	G	H	H1	H2	N	O	P	weight (kgs)
19-15-1244	CS 80-160 D	11	3500	28	80	100	125	95	790	320	250	15	350	445	180	225	125	18	65	99
19-15-1026	CS 80-160 C	15	4000	30	80	100	125	95	790	320	250	15	350	445	180	225	125	18	65	129
19-15-1200	CS 80-160 B	18.5	4000	37	80	100	125	95	835	320	250	15	350	445	180	225	125	18	65	143
19-15-1061	CS 80-160 A	22.5	4350	39	80	100	125	95	870	320	250	15	360	445	180	225	125	18	65	152
19-15-1271	CS 80-200 B	30	4550	53	80	100	125	95	900	345	280	15	360	470	180	250	125	18	65	233
19-15-1165	CS 80-200 A	37	5000	57	80	100	125	95	900	345	280	15	360	470	180	250	125	18	65	247

* PREMIUM EFFICIENCY MOTOR (IE3) AVAILABLE FOR ALL MODELS (POA)

CX

STANDARDISED - STAINLESS STEEL



The **CX** series are stainless steel, single-stage, mono-bloc, non self-priming centrifugal pumps manufactured in accordance with dimensional standards DIN-EN 733 (formerly DIN 24255), UNI 7467 and NF E44-111. They have a “back pull out” design, for ease of maintenance, which enables the pump body to be removed without disconnecting it from the pipework. It also allows the unit to be installed in any position, except with the inlet facing down. For pumping hot or cold clean water in industrial and agricultural applications, they are designed for circulation, pressurisation, water supply and transfer. Optional pump control and energy management systems are available (see pages 100 to 101).

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift (+ foot valve): 7 mtrs

Fluid: Clean water | Temperature: 0 - 90°C

Application: Industry | Agriculture | Processing | Circulating | Hot water | Transfer



CX Series

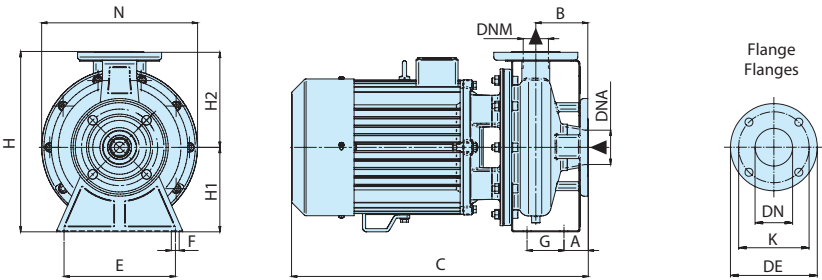
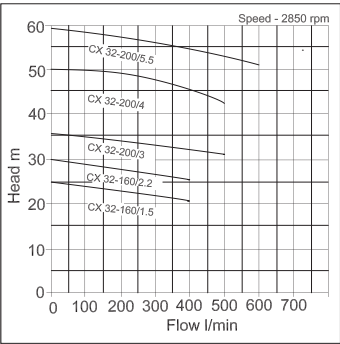
CX Series	Type	Impeller	Body	
	End suction	Closed	Stainless steel	

Pump	Pump body & flanges	Impeller	Mechanical seal	Shaft
	S/S 304	S/S 304	Carbon ceramic/NBR	S/S 304

Motor	Poles	Enclosure	Insulation
	2 pole	IP55	Class F

CX 32

STANDARDISED - STAINLESS STEEL



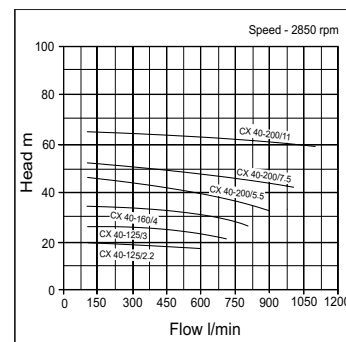
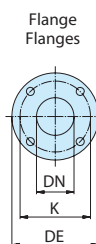
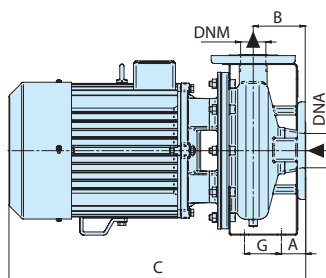
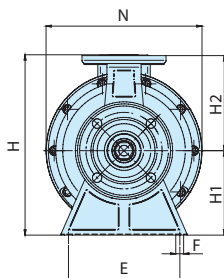
DIMENSIONS (mm)				
DN	DE	K	HOLES	
			QTY	Ø
32	140	100	4	18
50	165	125	4	18

item code	model (3PH 230v-400v)	output (kW)	flow (l/min)	head (mtrs)	DNM	DNA	A	B	C	E	F	G	H	H1	H2	N	weight (kgs)
19-15-1135	CX32-160/1.5	1.5	400	26	32	50	34	80	440	160	15	70	260	112	140	213	23
19-15-1043	CX32-160/2.2	2.2	400	30	32	50	34	80	440	160	15	70	260	112	140	213	26
19-15-1124	CX32-200/3	3	500	37	32	50	34	83	482	212	15	70	347	160	187	297	41
19-15-1174	CX32-200/4	4	500	52	32	50	34	83	510	212	15	70	347	160	187	297	50
19-15-1062	CX32-200/5.5	5.5	600	58	32	50	34	83	540	212	15	70	350	160	187	297	68



CX 40

STANDARDISED - STAINLESS STEEL

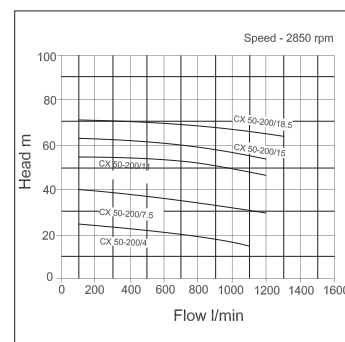
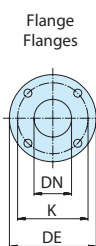
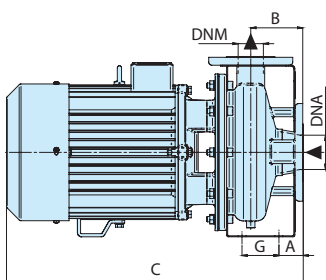
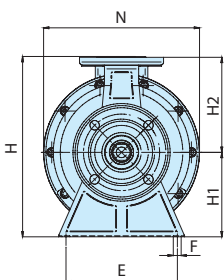


DIMENSIONS (mm)				
DN	DE	K	HOLES	
			QTY	Ø
40	150	110	4	18
150	185	145	4	18

item code	model (3PH 230v-400v)	output (kW)	flow (l/min)	head (mtrs)	DNM	DNA	A	B	C	E	F	G	H	H1	H2	N	weight (kgs)
19-15-1036	CX40-125/2.2	2.2	600	22	40	65	34	79	441	160	15	70	255	112	142	213	26
19-15-1161	CX40-125/3	3	700	27	40	65	34	79	478	160	15	70	255	112	142	213	33
19-15-1123	CX40-160/4	4	800	33	40	65	34	79	501	160	15	70	280	112	142	230	38
19-15-1157	CX40-200/5.5	5.5	900	44	40	65	47	99	565	212	15	70	345	160	184	297	62
19-15-1136	CX40-200/7.5	7.5	1000	54	40	65	47	99	565	212	15	70	345	160	184	297	67
19-15-1001	CX40-200/11	11	1100	65	40	65	47	99	705	212	15	70	410	160	184	315	104

CX 50

STANDARDISED - STAINLESS STEEL

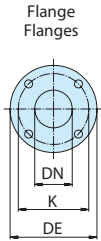
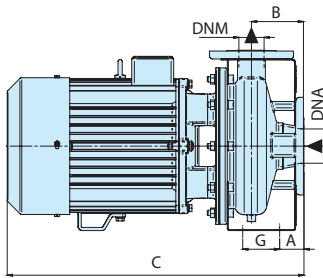
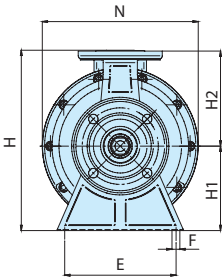
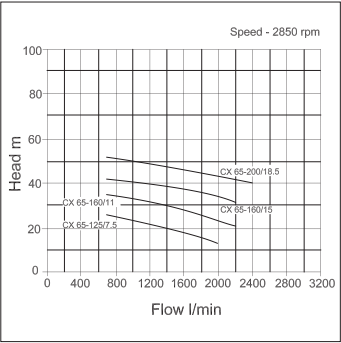


DIMENSIONS (mm)				
DN	DE	K	HOLES	
			QTY	Ø
50	165	125	4	18
65	185	145	4	18

item code	model (3PH 230v-400v)	output (kW)	flow (l/min)	head (mtrs)	DNM	DNA	A	B	C	E	F	G	H	H1	H2	N	weight (kgs)
19-15-1055	CX50-125/4	4	1100	27	50	65	42	85	520	212	15	70	300	132	165	254	45
19-15-1075	CX50-200/7.5	7.5	1200	41	50	65	47	99	565	212	15	70	350	160	180	297	67
19-15-1003	CX50-200/11	11	1200	55	50	65	47	99	706	212	15	70	410	160	180	315	103
19-15-1153	CX50-200/15	15	1200	63	50	65	47	99	706	212	15	70	410	160	180	315	111
19-15-1139	CX50-200/18.5	18.5	1300	71	50	65	47	99	751	212	15	70	410	160	180	315	124

CX 65

STANDARDISED - STAINLESS STEEL

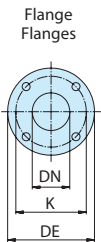
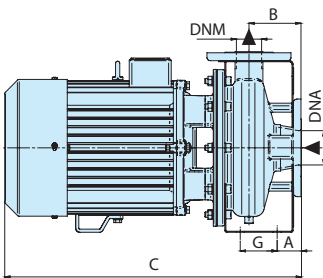
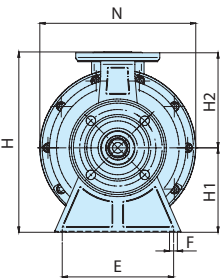
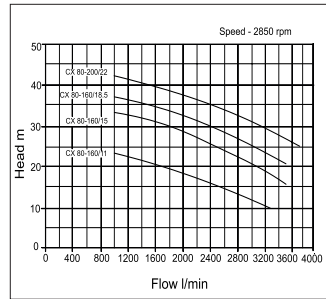


DIMENSIONS (mm)				
DN	DE	K	HOLES	
			QTY	Ø
65	185	145	4	18
80	200	160	8	18

item code	model (3PH 230v-400v)	output (kW)	flow (l/min)	head (mtrs)	DNM	DNA	A	B	C	E	F	G	H	H1	H2	N	weight (kgs)
19-15-1152	CX65-125/7.5	7.5	2000	27	65	80	53	100	570	212	15	95	350	160	180	283	64
19-15-1155	CX65-160/11	11	2200	35	65	80	53	100	714	212	15	95	410	160	200	315	103
19-15-1093	CX65-160/15	15	2200	42	65	80	53	100	714	212	15	95	410	160	200	315	113
19-15-1004	CX65-200/18.5	18.5	2400	53	65	80	53	100	760	250	15	95	430	180	225	333	130

CX 80

STANDARDISED - STAINLESS STEEL



DIMENSIONS (mm)				
DN	DE	K	HOLES	
			QTY	Ø
80	200	160	8	18
100	225	180	8	18

item code	model (3PH 230v-400v)	output (kW)	flow (l/min)	head (mtrs)	DNM	DNA	A	B	C	E	F	G	H	H1	H2	N	weight (kgs)
19-15-1196	CX80-160/11	11	3250	26	80	100	78	125	743	250	15	95	430	180	225	333	105
19-15-1128	CX80-160/15	15	3500	34	80	100	78	125	743	250	15	95	430	180	225	333	114
19-15-1081	CX80-160/18.5	18.5	3500	37	80	100	78	125	790	250	15	95	430	180	225	333	126
19-15-1069	CX80-200/22	22.5	3750	41	80	100	78	125	830	280	15	95	445	180	250	360	188

HG(M)

SELF-PRIMING 600 to 1800 LITRES



HG(M) are self-priming, mono-bloc, centrifugal pumps in cast iron, with large flow rates. The design incorporates a rubber check valve, to maintain the priming water level and enable automatic priming during starting, even when the inlet pipe is empty. They are designed for many industrial and agricultural applications and are suitable for pumping dirty water, without abrasive particles. Optional pump control and energy management systems are available (see pages 100 to 101).

Operating Conditions: Continuous duty | Max. ambient temperature: 40°C | Max. suction lift: 7 mtrs

Fluid: Clean water | Dirty water | Temperature: 0 - 90°C

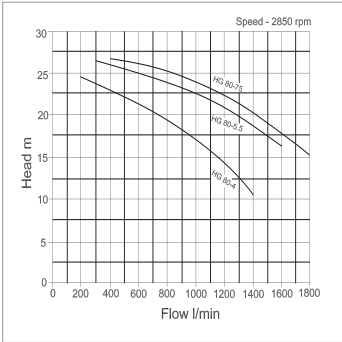
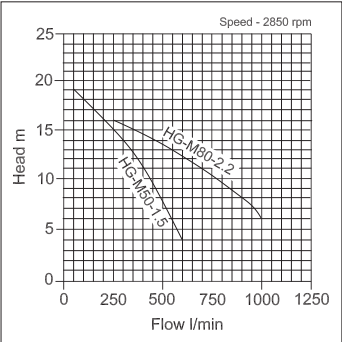
Application: Industry | Agriculture | Hire Fleets | Drainage | Transfer | Irrigation



HG(M)50-80	Type	Impeller	Body
	Self-priming	Open	Cast iron

Pump	Pump body	Non return valve	Inlet flange	Impeller
	Cast iron	Rubber & S/S 304	Cast iron	Cast iron
	Mechanical seal	Motor support	Shaft	
	Carbon ceramic/NBR	Cast iron	S/S 304	

Motor	Poles	Enclosure	Insulation
	2 pole	IP55	Class F



HG(M)50-1.5

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1175	HGM50-1.5	2"	2"	1.5	110	600	19	193x412x302	28
19-15-1216	HGM50-1.5	2"	2"	1.5	230	600	19	193x412x302	28
19-15-1249	HG50-1.5	2"	2"	1.5	400	600	19	193x412x302	28
19-15-1212	HGM80-2.2	3"	3"	2.2	230	1000	16	193x598x312	36
19-15-1134	HG80-2.2	3"	3"	2.2	400	1000	16	193x598x312	36
19-15-1020	HG80-4	3"	3"	4	400	1400	24	277x629x443	75
19-15-1219	HG80-5.5	3"	3"	5.5	400	1600	27	277x676x443	89
19-15-1156	HG80-7.5	3"	3"	7.5	400	1800	28	277x676x443	92

HG100

SELF-PRIMING 2200 to 2600 LITRES

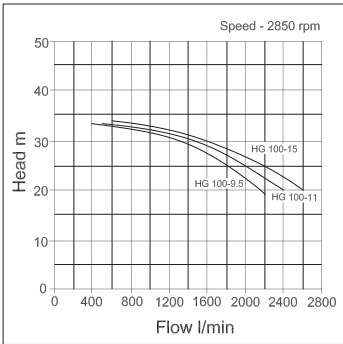


HG100 are self-priming, mono-bloc, centrifugal pumps in cast iron, with very large flow rates and high heads. The design incorporates a rubber check valve, to maintain the priming water level and enable automatic priming during starting, even when the inlet pipe is empty. They are designed for many industrial and agricultural applications and are suitable for pumping dirty water, without abrasive particles. Optional pump control and energy management systems are available (see pages 100 to 101).

Operating Conditions: Continuous duty | Max. ambient temperature: 40°C | Max. suction lift: 8 mtrs

Fluid: Clean water | Dirty water | Temperature: 0 - 90°C

Application: Industry | Agriculture | Hire Fleets | Drainage | Transfer | Irrigation



HG100	Type	Impeller	Body	
	Self-priming	Open	Cast iron	

Pump	Pump body	Non return valve	Inlet flange	Impeller
	Cast iron	Rubber & S/S 304	Cast iron	Cast iron
	Mechanical seal	Motor support	Shaft	
	Carbon ceramic/NBR	Cast iron	S/S 304	

Motor	Poles	Enclosure	Insulation
	2 pole	IP55	Class F



HG100-9.5

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1013	HG100-9.5	4"	4"	9.2	400	2200	33	315x875x541	126
19-15-1109	HG100-11	4"	4"	11	400	2400	33	315x875x541	133
19-15-1060	HG100-15	4"	4"	15	400	2600	34	315x875x541	164

HGMG

SELF-PRIMING & TRASH

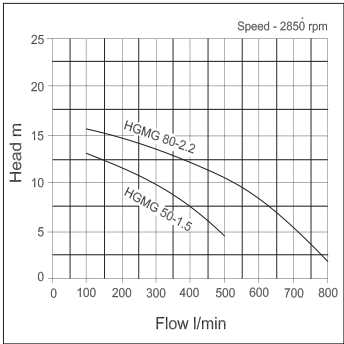


The **HGMG** are self-priming, mono-bloc, centrifugal trash pumps in cast iron, for pumping dirty water, with solids in suspension (1.5kW:22mm, 2.2kW:32mm). The design incorporates a removable cover, for clearing debris, and a rubber check valve, to maintain the priming water level, and enable automatic priming during starting, even when the inlet pipe is empty. They are designed for many industrial and agricultural applications where large volumes of water need to be pumped. Optional pump control and energy management systems are available (see pages 100 to 101).

Operating Conditions: Continuous duty | Max. ambient temperature: 40°C | Max. suction lift: 7 mtrs

Fluid: Dirty water | Water with suspended solids | Temperature: 0 - 90°C

Application: Industry | Agriculture | Hire Fleets | Drainage | Transfer | Irrigation



HGMG	Type	Impeller	Body
	Self-priming	Open	Cast iron

Pump	Pump body	Non return valve	Inlet flange	Impeller
	Cast iron	Rubber & S/S 304	Cast iron	Cast iron
	Mechanical seal	Motor support	Shaft	
	Carbon ceramic/NBR	Cast iron	S/S 304	

Motor	Poles	Enclosure	Insulation
	2 pole	IP55	Class F

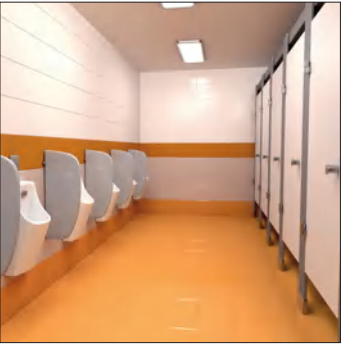


HGMG80-2.2

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1146	HGMG50-1.5	2"	2"	1.5	230	500	13	207x420x310	30
19-15-1082	HGMG80-2.2	3"	3"	2.2	230	800	16	245x470x315	36

CAM/25 • CAM/60

STEEL VESSEL

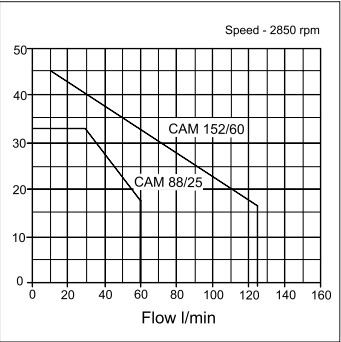


The **CAM88/25** and **CAM152/60** incorporate self-priming “jet” pumps with pressure vessels, pressure gauges, adjustable pressure switches and non-return valves, ready assembled for installation. With plastic connections and a butyl bladder, there is no water contact with the steel vessel creating an uncontaminated water path. They are designed for pumping clean water only and are suitable for industrial water boosting, pressurised water supply to mobile toilets and shower blocks, irrigation and for wash-down. The **CAM88/25** is available with an optional steel protection frame for portable use.

Operating Conditions: Continuous duty | Max. ambient temp: 40°C | Max. suction lift: 8 mtrs

Fluid: Clean water | Temperature: 0 - 35°C

Application: Industry | Households | Boosting | Water Supply | Washdown



CAM/25 - CAM/60	Type	Pump	Vessel
	Pressure set	Stainless steel or Cast iron	Steel

Pump	CAM88/25	Pump body	Impeller	Diffuser
		S/S 304	Technoplastic	Technoplastic
		Mechanical seal	Shaft	Motor support
		Carbon ceramic/NBR	S/S 304	Cast aluminium
		Vessel x size	Membrane	
	CAM152/60	Steel x 25ltr	Butyl	
		Pump body	Impeller	Diffuser
		Cast iron	S/S 304	Technoplastic
		Mechanical seal	Shaft	Motor support
		Carbon ceramic/NBR	S/S 304	Cast iron
		Vessel x size	Membrane	
		Steel x 60ltr	Butyl	

Motor	CAM88/25 - CAM152/60	Poles	Enclosure	Insulation
		2 pole	IP44	Class F



CAM88/25



CAM152/60

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	switch pre-set (bar)	vessel size (litres)	w x l x h (mm)	dry weight (kgs)
19-15-1285	CAM88/25	1"	1"	0.75	110	60	32	1.6(on)-3.2(off)	25	270x530x540	17.0
19-15-1115	CAM88/25	1"	1"	0.75	230	60	32	1.6(on)-3.2(off)	25	270x530x540	17.0
19-15-1107	CAM152/60	1½"	1"	1.5	230	125	32	1.6(on)-3.2(off)	60	380x748x698	56.0
12-85-1027	Optional extra: full protection frame, CAM88/25 (FR003).									400x600x600	7.2



KS/22 • GPA90(S)
STEEL VESSEL

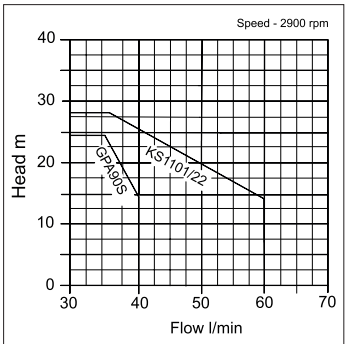
The **KS1101/22** is a booster set for water supply systems. It incorporates a self-priming “jet” pump with a pressure vessel, pressure gauge, adjustable pressure switch and a non-return valve, ready assembled for installation. The pressure vessel is for applications where buffering of the water supply is necessary, as it reduces pump on/off cycles, saves energy, protects the pump from water hammer and so extends its service life. With plastic connections and a high grade butyl bladder, there is no water contact with the steel vessel creating an uncontaminated water path. They are designed for pumping clean water only and suitable for domestic water boosting, pressurised water supply to mobile toilets and shower blocks, irrigation and for wash-down. Maximum suction lift is 8 metres.

The **GPA90(S)** is a booster set for water supply systems where space is at a premium. It incorporates a peripheral pump, pressure vessel and a pressure switch ready assembled for installation. With stainless steel connections and a butyl bladder, there is no water contact with the steel vessel creating an uncontaminated water path. Can be used for domestic water boosting and pressurised water supply of mobile toilets and shower blocks. Maximum suction lift, with a foot-valve, is 7 metres.

Operating Conditions: Continuous duty | Max. ambient temperature: 40°C |

Fluid: Clean water | Temperature: 0 - 35°C (KS1101/22) & 60°C (GPA90(S))

Application: Industry | Households | Boosting | Water Supply | Washdown



GPA90(S) - KS/22	Type	Pump	Vessel
	Pressure set	Stainless steel or Plastic	Steel

Pump	GPA90(S)	Pump body	Impeller	Diffuser
		S/S 304	S/S 304	-
		Mechanical seal	Shaft	Motor support
		Si-carbide/Viton	S/S 410	Cast iron
		Vessel x size	Membrane	
		Steel x 2ltr	Butyl	
	KS1101/22	Pump body	Impeller	Diffuser
		Technoplastic	Technoplastic	Technoplastic
		Mechanical seal	Shaft	Motor support
		Carbon ceramic/NBR	S/S 304	Cast aluminium
		Vessel x size	Membrane	
		Steel x 22ltr	Butyl	

Motor	GPA90(S) - KS1101/22	Poles	Enclosure	Insulation
		2 pole	IP44	Class F



KS1101/22

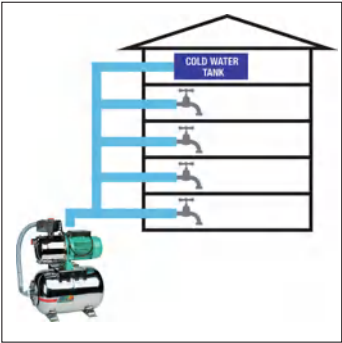


GPA90(S)

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	switch pre-set (bar)	vessel size (litres)	w x l x h (mm)	dry weight (kgs)
15-15-1006	GPA90(S)	1"	1"	0.2	230	40	24	1.4(on)-2.4(off)	2	140x320x410	7.5
19-15-1158	KS1101/22	1" (M)	1"(M)	0.75	230	60	28	1.4(on)-2.8(off)	22	270x480x500	15.1

CAM-X

STAINLESS STEEL VESSEL

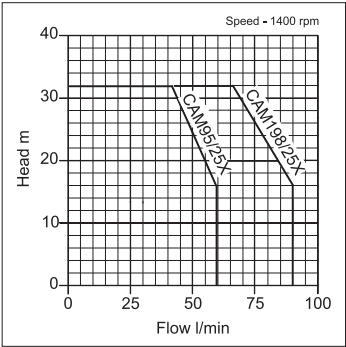


The **CAM-X** booster sets have a stainless-steel self-priming “jet” pump with a stainless steel pressure vessel, pre-assembled with pressure gauges, adjustable pressure switches and non-return valves. They are designed for pumping clean water only and suitable for industrial water boosting, pressurised water supply to mobile toilets and shower blocks, irrigation and for wash-down.

Operating Conditions: Continuous duty | Max. ambient temperature: 40°C | Max. suction lift: 8 mtrs

Fluid: Clean water | Temperature: 0 - 35°C

Application: Industry | Households | Boosting | Water supply | Washdown



CAM-X	Type	Pump	Vessel
	Pressure set	Stainless steel	Stainless steel

Pump	Pump body	Impeller	Diffuser	Mechanical seal
	S/S 304	Technoplastic	Technoplastic	Carbon ceramic/NBR
	Shaft	Motor support	Vessel x size	Membrane
	S/S 304	Cast aluminium	Steel x 25ltr	Butyl

Motor	Poles	Enclosure	Insulation
	2 pole	IP44	Class F



CAM 95/25X

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	switch pre-set (bar)	vessel size (litres)	w x l x h (mm)	dry weight (kgs)
19-15-1255	CAM 95/25X	1"	1"	0.75	230	60	32	1.6(on)-3.2(off)	25	270x530x575	16.7
19-15-1110	CAM 198/25X	1¼"	1"	1.1	230	90	32	1.6(on)-3.2(off)	25	270x530x575	19.9

SWIMM

24 HOUR RUNNING

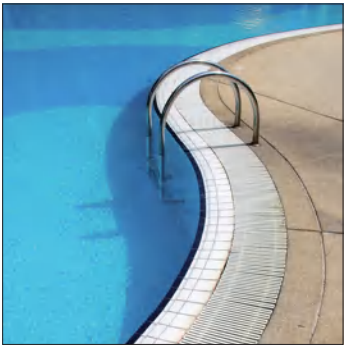


SWIMM are quiet running swimming pool and circulating pumps for the pumping of chlorinated water and dirty water containing small, non-abrasive, solids in suspension. The design features translucent inspection covers and removable filter baskets for trapping debris. Supplied with swivel unions to enable the pump to be removed for maintenance without disturbing the pipe system. The pipe connections are designed to be fitted to rigid plastic pipe with an outside diameter of 48.3mm or 60.3mm. In addition, they also have female BSP connections to enable a male BSP hose tail to be fitted and a flexible hose attached.

Operating Conditions: Continuous duty | Max. ambient temperature: 40°C | Max. suction lift: 7 mtrs

Fluid: Clean water | Water with floating debris | Temperature: 0 - 35°C

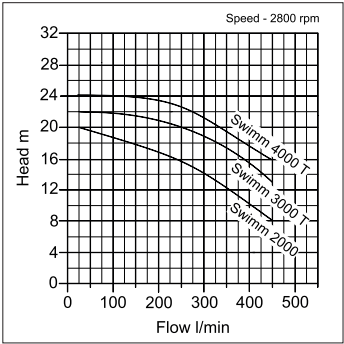
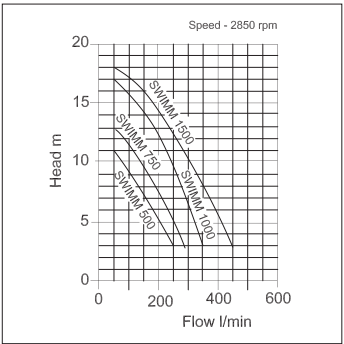
Application: Domestic | Commercial | Private pools | Public pools | Water features | Ponds



SWIMM	Type	Impeller	Body
	Circulator	Closed	Plastic

Pump	Pump body	Pump cover	Inlet/outlet unions	Check valve
	Nylon	Thermoplastic PPS	Nylon	EPDM
	Diaphragm	Support feet	Prefilter	
	Santoprene	Rubber	Nylon/ABS/SS	

Motor	Poles	Enclosure	Insulation
	2 pole	IPX5	Class F



SWIMM 500

item code	model	inlet & outlet Ø (mm)	inlet & outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-15-1063	Swimm 500	48.3	1½"	0.37	230	250	11	160x465x234	8.7
19-15-1140	Swimm 750	48.3	1½"	0.55	230	275	13	220x502x270	10.9
19-15-1283	Swimm 1000	48.3	1½"	0.75	230	350	17	220x502x270	12.2
19-15-1211	Swimm 1500	60.3	1½" & 2"	1.10	230	450	18	238x520x331	12.9
19-15-1299	Swimm 2000	60.3	1½" & 2"	1.5	230	450	20	270x600x330	16.2
19-15-1302	Swimm 3000T	60.3	1½" & 2"	2.2	400	450	22	270x600x330	17.5
19-15-1304	Swimm 4000T	60.3	1½" & 2"	2.4	400	450	24	270x645x330	18.5

PW

CENTRIFUGAL - DIRTY WATER

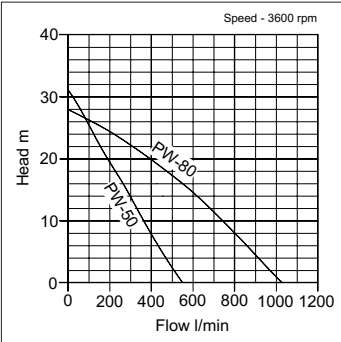


PW are self-priming, centrifugal pumps powered by high quality petrol engines. Lightweight pump-end and engine are housed within an easy carry steel frame and fitted with anti-vibration rubber feet and oil alerts. Suitable for pumping clear and dirty water in site drainage, transfer, irrigation, dust suppression and flood defence.

Operating conditions: Maximum recommended suction lift: 6 mtrs

Fluid: Clean water | Dirty water

Application: Hire fleets | Construction | Utilities | Drainage | Transfer | Flood defence



PW	Type	Fuel	Starting
	Centrifugal	Petrol	Recoil

Pump	Inlet & outlet	Pump body	Volute
	Cast aluminium	Cast aluminium	Grey cast iron
	Impeller	Mechanical seal	
	Grey cast iron	Carbon ceramic	

Handling & Hose fittings	Frame	Included fittings
	Tubular steel	hose couplings, sealing washers, hose clips & strainer



PW50

item code	model	inlet (mm)	outlet (mm)	fuel	HP	oil alert	flow (l/min)	head (mtrs)	solids (mm)	w x l x h (mm)	dry weight (kgs)
12-20-1007	PW50	50	50	Petrol	6.5	yes	550	30	4	375x470x400	23.3
12-20-1008	PW80	75	75	Petrol	6.5	yes	1000	28	4	395x525x440	29

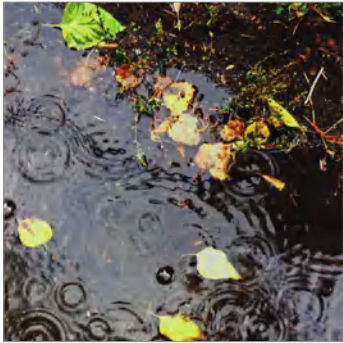


PF • PS

CENTRIFUGAL - TRASH & SEMI-TRASH

The **PS75A** is a self-priming, centrifugal semi-trash pump, with a tool access pump casing, powered by a 4-stroke, recoil start, petrol engine. It has the Oil Alert engine protection system fitted to prevent damage from inadequate lubrication during use with low oil, or while at an angle. All models have easy-carry frames, rubber feet (for engine noise and vibration absorption) and elongated bolts for pump chamber access. Capable of pumping clean and dirty water, with suspended solids, they are good for site drainage, land drainage and flood defence.

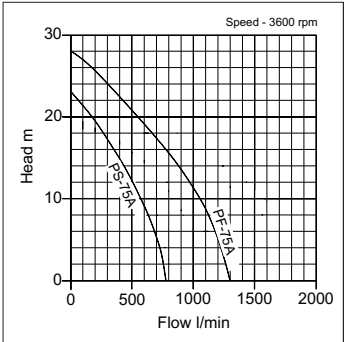
The **PF75A** is a self-priming, centrifugal full-trash pump, with tool access inspection covers, and is powered by 4-stroke, recoil start, petrol engine. It has the Oil Alert engine protection system fitted to prevent damage from inadequate lubrication during use with low oil, or while at an angle. It has an easy-carry frame, rubber feet (for engine noise and vibration absorption) and tommy bars for easy chamber access. Capable of pumping large volumes of water that contains sand, silt and suspended large solids, it is good for site drainage, land drainage and flood defence.



Operating conditions: Maximum recommended suction lift: 6 mtrs | Oil alert protection

Fluid: Clean water | Dirty water | Water containing solids

Application: Hire fleets | Construction | Utilities | Flood defence | Drainage



PS-PF	Type	Fuel	Starting
	Centrifugal	Petrol	Recoil

Pump	Front casing c/w inlet & outlet	Rear casing	Impeller
	Cast aluminium	Cast aluminium	Grey cast iron
	Volute	Tommy bars	Mechanical seal
	Grey cast iron	Steel	Carbon ceramic

Handling & Hose fittings	Frame	Included fittings
	Tubular steel	hose couplings, sealing washers, hose clips & strainer



PF75A



PS75A

item code	model	inlet (mm)	outlet (mm)	fuel	HP	oil alert	flow (l/min)	head (mtrs)	solids (mm)	w x l x h (mm)	dry weight (kgs)
12-20-1020	PS75A	75	75	Petrol	6.3	yes	750	23	15	550x430x452	27.4
12-20-1025	PF75A	75	75	Petrol	6.3	yes	1300	28	28	395x525x455	39.5

WX • WB

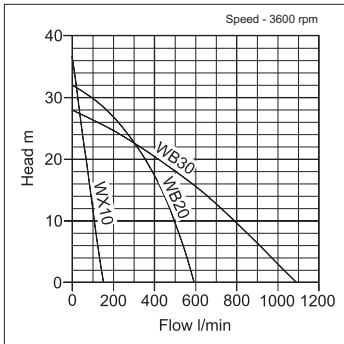
CENTRIFUGAL - SITE WATER



WX and **WB** are self-priming, centrifugal pumps manufactured by Honda and fitted with their 4-stroke, recoil start, petrol engines.

The **WX10** model features a rotary slinger engine lubrication device, to prevent damage from inadequate lubrication during use at an angle. It has an easy-carry handle and rubber feet on the base plate, for engine noise and vibration absorption. Capable of a high head, it is good for irrigation and dust suppression, but with being light and compact it is also useful for general drainage, transfer and flood defence.

WB20 and **WB30** have the Oil Alert engine protection system fitted to prevent damage from inadequate lubrication during use with low oil, or at an angle. Both models have easy-carry frames and they have rubber feet, for engine noise and vibration absorption. Capable of pumping large volumes of clean and dirty water they are good for site drainage, land drainage, transfer and flood defence. To assist manual handling of the model **WB30**, a two wheeled site trolley is available as an optional extra.



Residue pumping kit: engine pumps, with their traditional strainers, will always leave a few inches deep of water behind when pumping off a flat surface. For use with the **WX10**, this kit will enable the pumping of water levels down to 3mm and the floor tool can be moved from puddle to puddle while the engine is still running. Suction lift is up to 6 metres, but 4 metres is recommended. The tool is 140mm wide and the kit comprises a floor tool (with an integral strainer) and a 4 metre suction hose.

Operating conditions: Maximum recommended suction lift: 6 mtrs | Oil alert engine protection (WB)

Fluid: Clean water | Dirty water

Application: Hire fleets | Construction | Utilities | Drainage | Irrigation | Flood defence



WX - WB	Type	Fuel	Starting
	Centrifugal	Petrol	Recoil

Pump	Inlet & outlet	Pump body	Volute (WX)	Volute (WB)
	Cast aluminium	Cast aluminium	Cast aluminium	Grey cast iron
	Impeller (WX)	Impeller (WB)	Mechanical seal	
	Cast aluminium	Grey cast iron	Carbon ceramic	

Handling & Hose fittings	Base plate & handle (WX)	Frame (WB)	Trolley (optional)
	Steel & tubular steel	Tubular steel	Tubular steel & solid rubber wheels
	Included fittings		
	Hose couplings, sealing washers, hose clips & strainer		



WX10



WB20

item code	model	inlet (mm)	outlet (mm)	engine	fuel	HP	oil alert	flow (l/min)	head (mtrs)	solids (mm)	w x l x h (mm)	dry weight (kgs)
13-20-1002	WX10	25	25	GX25	petrol	1.5	no	142	36	5	220x325x300	6.0
13-20-1001	WB20	50	50	GX120	petrol	4	yes	590	32	6	365x455x420	21.0
13-20-1000	WB30	75	75	GX160	petrol	5.5	yes	1090	28	6	385x510x455	26.0
26-85-1001	optional extra: residue pumping adaptor kit for 25mm centrifugal pumps only											1.0
-	optional extra: site trolley (WB30)											12.4

* GX25 engine is 1 year

TE-H(A) are self-priming, centrifugal pumps manufactured by Tsurumi and powered by Honda 4-stroke, recoil start, petrol engines.

TEM-25H and **TE2-25H** models feature engines with a rotary slinger lubrication device, to prevent damage from inadequate lubrication during use at an angle. Both models have easy-carry handles and rubber feet on the base stand, for engine noise and vibration absorption. Capable of high heads, they are good for irrigation and dust suppression, but with being light and compact they are also useful for general drainage, transfer and flood defence. They will pump clean and dirty water.

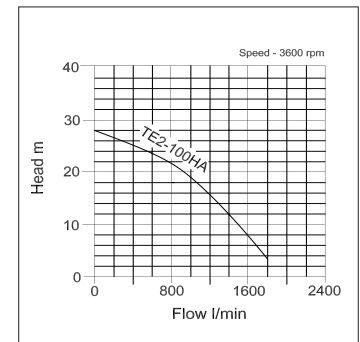
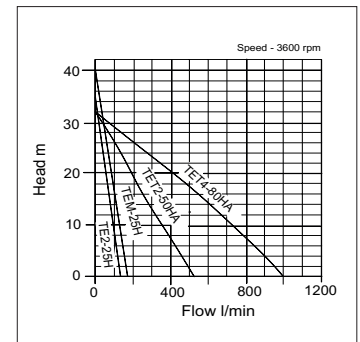
TE2-50HA, **TE4-80HA** and **TE2-100HA** have the Oil Alert engine protection system fitted to prevent damage from inadequate lubrication during use with low oil, or while at an angle. All models have easy-carry frames and rubber feet, for engine noise and vibration absorption. Capable of pumping large volumes of clean and dirty water they are good for site drainage, land drainage, transfer and flood defence. To assist manual handling of the model **TE2-100HA**, a two wheeled site trolley is available as an optional extra.

Residue pumping kit: engine pumps, with their traditional strainers, will always leave a few inches deep of water behind when pumping off a flat surface. For use with the **TEM-25H** and **TE2-25H**, this kit will enable the pumping of water levels down to 3mm and the floor tool can be moved from puddle to puddle while the engine is still running. Suction lift is up to 6 metres, but 4 metres is recommended. The tool is 140mm wide and the kit comprises a floor tool (with an integral strainer) and a 4 metre suction hose.

Operating conditions: Maximum recommended suction lift: 6 mtrs | Oil alert engine protection (HA)

Fluid: Clean water | Dirty water

Application: Hire fleets | Construction | Utilities | Drainage | Irrigation | Flood defence



TE-H(A)	Type	Fuel	Starting
	Centrifugal	Petrol	Recoil

Pump	Inlet & outlet	Pump body	Volute (TEM & TE2-25H)	Volute (TE2-TE4-TE2)
	Cast aluminium	Cast aluminium	Cast aluminium	Grey cast iron
	Impeller (TEM & TE2-25H)	Impeller (TE2-TE4-TE2)	Mechanical seal	
	Cast aluminium	Grey cast iron	Carbon ceramic	

Handling & Hose fittings	Base & handle (TEM & TE2-25H)	Frame (TE2-TE2-TE4)	Trolley (optional)
	Tubular steel	Tubular steel	Tubular steel & solid rubber wheels
	Included fittings		
	hose couplings, sealing washers, hose clips & strainer		

**TE2-25H****TEM-25H****TE2-50HA**

item code	model	inlet (mm)	outlet (mm)	engine	fuel	HP	oil alert	flow (l/min)	head (mtrs)	solids (mm)	w x l x h (mm)	dry weight (kgs)
18-20-1022	TE2-25H	25	25	GX25	petrol	1.5	no	130	35	5	220x355x330	5.9
18-20-1007	TEM-25H	25	25	GX25	petrol	1.5	no	140	40	5	220x350x270	5.1
18-20-1018	TE2-50HA	50	50	GX120	petrol	4	yes	520	32	6	356x470x350	22.0
18-20-1008	TE4-80HA	75	75	GX160	petrol	5.5	yes	1000	32	6	375x527x420	27.0
18-20-1021	TE2-100HA	100	100	GX240	petrol	8	yes	1800	28	6	470x650x620	44.0
26-85-1001	optional extra: residue pumping adaptor kit for 25mm centrifugal pumps only											1.0
-	optional extra: site trolley (TE2-100HA)											12.4

* GX25 engine is 1 year

TE3-YD

CENTRIFUGAL - SITE WATER



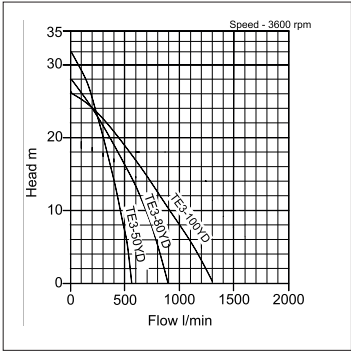
TE3-YD are self-priming, centrifugal pumps manufactured by Tsurumi and powered by Yanmar, recoil start, diesel engines.

All models have rubber mounts for engine vibration control and have easy-carry frames, but a two wheeled trolley is available as an optional extra. Capable of pumping large volumes of clean and dirty water they are good for site drainage, land drainage, transfer and flood defence.

Operating conditions: Maximum recommended suction lift: 6 mtrs

Fluid: Clean water | Dirty water

Application: Hire fleets | Construction | Utilities | Drainage | Transfer | Flood defence



TE3-YD	Type	Fuel	Starting
	Centrifugal	Diesel	Recoil

Pump	Inlet & outlet	Pump body	Volute
	Cast aluminium	Grey cast iron	Grey cast iron
	Impeller	Mechanical seal	
	Grey cast iron	Carbon ceramic	

Handling & Hose fittings	Frame	Trolley (optional)
	Tubular steel	Tubular steel & solid rubber wheels
	Included fittings	
	hose couplings, sealing washers, hose clips & strainer	



TE3-50YD
with trolley



TE3-80YD

item code	model	inlet (mm)	outlet (mm)	engine	fuel	HP	flow (l/min)	head (mtrs)	solids (mm)	w x l x h (mm)	dry weight (kgs)
18-20-1013	TE3-50YD	50	50	L48/L70V	diesel	4.7/6.7	550	32	5.5	484x560x702	52.0
18-20-1017	TE3-80YD	75	75	L48/L70V	diesel	4.7/6.7	920	28	5.5	484x560x702	53.0
18-20-1024	TE3-100YD	100	100	L70V	diesel	6.7	1300	26.5	5.5	484x630x727	62.0
-	optional extra: site trolley										12.4

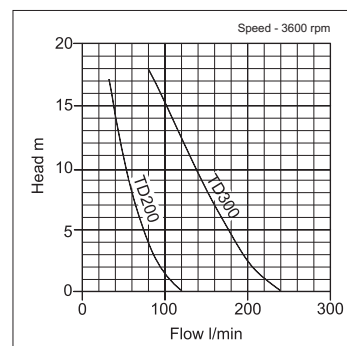
TD are diaphragm pumps manufactured by Tsurumi and powered by Honda 4-stroke, recoil start, petrol engines. Priming is automatic and indefinite dry running is possible.

They have the Oil Alert engine protection system fitted to prevent damage from inadequate lubrication during use with low oil, or at an angle, and have easy-carry frames. Both models have rubber mounts, for engine noise and vibration absorption. Capable of pumping water containing sand, silt and suspended large solids, they are good for site drainage, land drainage, liquid waste removal, sewage and flood defence. They are widely used by contractors, utilities and regularly found on hire fleets. Optional extras are two wheeled site trolleys and quick release cam coupling kits, with heavy duty hose clamps.

Operating conditions: Maximum recommended suction lift: 6 mtrs | Oil alert engine protection

Fluid: Clean water | Dirty water | Water with solids

Application: Hire fleets | Construction | Drainage | Waste removal | Submerged debris



TD	Type	Fuel	Starting
	Diaphragm	Petrol	Recoil

Pump	Inlet & outlet chamber	Suction priming chamber	Inlet & outlet nipple
	Cast aluminium	Cast aluminium	Steel
	Pump body	Diaphragm & NRVs	Plunger
	Cast aluminium	Rubber	Cast aluminium
	Casing	Casing cover	
	Cast aluminium	S/S 304	

Handling & Hose fittings	Frame	Trolley (optional)
	Tubular steel	Tubular steel & solid rubber wheels
	Included fittings	
	hose couplings, sealing washers, hose clips & strainer	



TD200 with trolley



TD300



Quick release coupling kit

item code	model	inlet (mm)	outlet (mm)	engine	fuel	HP	oil alert	flow (l/min)	head (mtrs)	w x l x h (mm)	solids (mm)	dry weight (kgs)
18-20-1011	TD200	50	50	GX120	petrol	4	yes	120	17	610x620x510	30	39.0
18-20-1000	TD300	75	75	GX160	petrol	5.5	yes	240	18	740x660x510	30	46.0
130050	optional extra: 50mm quick release coupling kit (2 x Part C, 2 x Part A, 3 x hose clamps)											1.4
130080	optional extra: 80mm quick release coupling kit (2 x Part C, 2 x Part A, 3 x hose clamps)											2.4
-	optional extra: site trolley (TD200 & TD300)											12.4

DRYMAX

DIAPHRAGM - TRASH

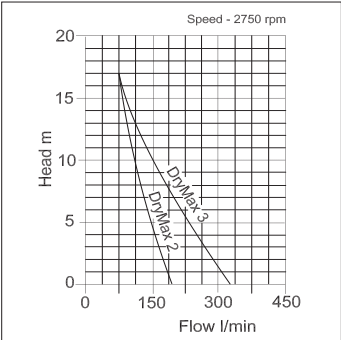


DryMax are automatic priming, diaphragm pumps with Yanmar L48E electric start engines. With diaphragm pumps, priming is unnecessary and indefinite dry running is permissible. They are suitable for pumping mud, sludge, sewage and fluids carrying sand and solids. For ease of access and storage, the design features a pivoting pump chamber for use sideways or frontwards. Enhanced site-use features include a long run, 5.4litre (6 hour) fuel tank, BSP male connections, 2-wheel site trolley, mud plate, rubber engine mounts and stand by engine recoil. A quick release cam coupling kit, with heavy duty hose clamps, is an optional extra for operator convenience.

Operating conditions: Maximum recommended suction lift: 6 mtrs

Fluid: Clean water | Dirty water | Water with solids | Sludge | Sewage

Application: Hire fleets | Construction | Drainage | Waste removal | Submerged debris



DryMax	Type	Fuel	Starting
	Diaphragm	Diesel	Electric

Pump	Inlet & priming chamber	Outlet chamber	Inlet & outlet nipple	Pump body
	Cast aluminium	Cast aluminium	Steel	Cast aluminium
	Diaphragm & NRVs	Plunger	Plunger guard	
	Rubber	Cast aluminium	Steel	

Handling & Hose fittings	Chassis & mud plate	Handle
	Steel	Tubular steel
	Starting & Hose fittings	
	Including: battery and strainer. Excluding: couplings and hose clips	



DryMax 2



DryMax 3



Quick release coupling kit

item code	model	inlet (mBSP)	outlet (mBSP)	engine	fuel	HP	flow (l/min)	head (mtrs)	solids (mm)	w x l x h (mm)	dry weight (kgs)
14-20-1001	DryMax 2	2"	2"	L48E	diesel	4.7	190	17	40	660x1210x720	90.0
14-20-1000	DryMax 3	3"	3"	L48E	diesel	4.7	330	17	40	775x1210x720	94.0
130050	optional extra: 50mm quick release coupling kit (2 x Part C, 2 x Part A, 3 x hose clamps)										1.4
130080	optional extra: 80mm quick release coupling kit (2 x Part C, 2 x Part A, 3 x hose clamps)										2.4



TEF • TEW

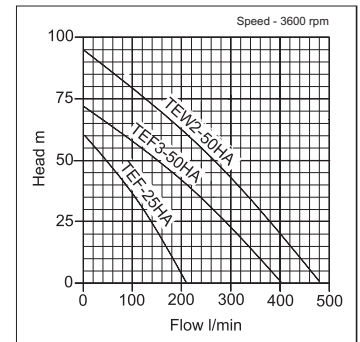
CENTRIFUGAL - HIGH PRESSURE

TEF and **TEW2** are self-priming centrifugal, high-head pumps manufactured by Tsurumi and powered by Honda 4-stroke petrol engines. They are designed for high pressure pumping of clean water for use in irrigation, dust suppression and firefighting. The **TEF3-50HA** and **TEW2-50HA** models feature three outlets (1 x 1½" and 2 x 1") to enable two or three people to use the pump at the same time. Two outlets have a blanking cap to maximise pressure and conserve water when not in use. The **TEW2-50HA** engine is electric start (with battery holder, but not battery) to ensure quick and effortless starting. All models have rubber feet, or mounts, for engine noise and vibration absorption. Engines have the Oil Alert protection system fitted to prevent damage from inadequate lubrication during use with low oil, or while at an angle. **TEF3-50HA** and **TEW2-50HA** have easy carry steel frames, while the **TEF-25HA** has a carry handle and base frame. To assist manual handling of models **TEF3-50HA** and **TEW2-50HA**, a two wheeled trolley is available as an optional extra.

Operating conditions: Maximum recommended suction lift: 6 mtrs | Oil alert engine protection

Fluid: Clean water

Application: Agriculture | Fire fighting | Irrigation | Dust suppression | High head pumping



TEF - TEW	Type	Fuel	Starting
	Centrifugal	Petrol	Recoil & Electric Start

Pump	Inlet & outlet	Pump body	Volute(s)
	Cast aluminium	Cast aluminium	Cast aluminium
	Impeller(s)	Mechanical seal	
	Cast aluminium	Carbon ceramic	

Handling & Hose fittings	Base & handle (TEF-25)	Frame	Trolley (optional)
	Steel & tubular steel	Tubular steel	Tubular steel & solid rubber wheels
	Included fittings		
	hose couplings, sealing washers, hose clips & strainer		



TEF3-50HA



TEF-25HA



TEW2-50HA



item code	model	inlet (mm)	outlet (mm/BSPM)	engine	fuel	HP	oil alert	flow (l/min)	head (mtrs)	solids (mm)	w x l x h (mm)	dry weight (kgs)
18-20-1020	TEF-25HA	25	25	GXH50	petrol	2.1	yes	210	60	2	280x410x385	9.6
18-20-1001	TEF3-50HA	50	1" & 1½"	GX160	petrol	5.5	yes	400	72	1	380x520x460	27.1
18-20-1004	TEW2-50HA	50	1" & 1½"	GX270	petrol	9	yes	480	95	1	490x680x580	49.9
-	optional extra: site trolley (TEF3-50HA and TEW2-50HA)											12.4

TDS • DRYMAX-T

CENTRIFUGAL - SEMI-TRASH



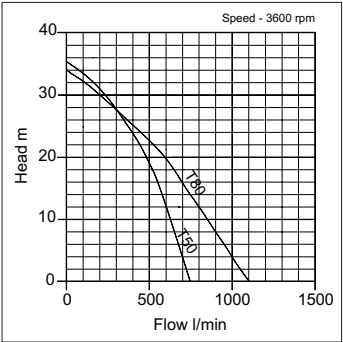
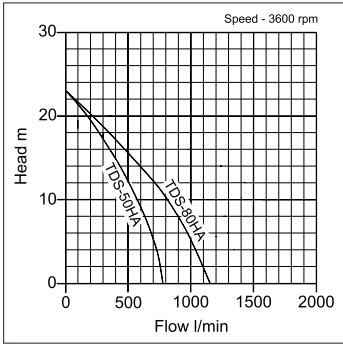
TDS are self-priming, centrifugal semi-trash pumps, with tool access pump casing, manufactured by Tsurumi and powered by Honda 4-stroke, recoil start, petrol engines. They have the Oil Alert engine protection system fitted to prevent damage from inadequate lubrication during use with low oil, or while at an angle. All models have easy-carry frames, rubber feet (for engine noise and vibration absorption) and elongated bolts for pump chamber access. Capable of pumping clean and dirty water, with suspended solids, they are good for site drainage, land drainage, liquid waste removal, sewage and flood defence.

DryMax-T are self-priming, centrifugal semi-trash pumps powered by electric start Hatz (1D) or Kohler (KD15) diesel engines and fitted on to 2-wheel site trolleys. Capable of pumping clean and dirty water, with suspended solids, they are good for site drainage, land drainage, liquid waste removal, sewage and flood defence.

Operating conditions: Maximum recommended suction lift: 6 mtrs | Oil alert engine protection (petrol)

Fluid: Clean water | Dirty water | Water containing solids

Application: Hire fleets | Construction | Drainage | Waste removal | Submerged litter



TDS	Type	Fuel	Starting
	Centrifugal	Petrol	Recoil

DryMax-T	Type	Fuel	Starting
	Centrifugal	Diesel	Electric

Pump	Inlet & outlet(TDS)		Inlet & outlet(DryMax-T)	
	Cast aluminium		Malleable iron	
	Pump body	Volute	Impeller	Mechanical seal
	Cast aluminium	Grey cast iron	Grey cast iron	Silicon carbide

Handling & Hose fittings	Frame	Included fittings
	Tubular steel	hose couplings, sealing washers, hose clips & strainer



TDS-50HA



DryMax-T (Kohler)

item code	model	inlet (mm)	outlet (mm)	engine	fuel	HP	oil alert	flow (l/min)	head (mtrs)	solids (mm)	w x l x h (mm)	dry weight (kgs)
18-20-1019	TDS-50HA	50	50	GX120	petrol	4	yes	780	23	20	345x470x420	24
18-20-1005	TDS-80HA	75	75	GX160	petrol	5.5	yes	1150	23	20	370x525x420	27
14-20-1003	DryMax-T50/HE	50	50	1B20	diesel	5	no	700	30	25	600x900x680	68
14-20-1002	DryMax-T80/HE	75	75	1B30	diesel	7	no	1100	34	32	600x900x680	92
14-20-1004	DryMax-T80/KE	75	75	KD15-350	diesel	6.8	no	1100	34	32	600x900x680	89



TED • EPT
CENTRIFUGAL - TRASH

TED and **EPT** are self-priming, centrifugal full-trash pumps, with hand access inspection covers, manufactured by Tsurumi.

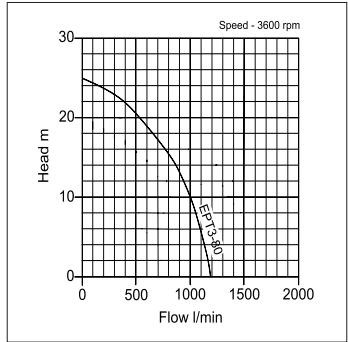
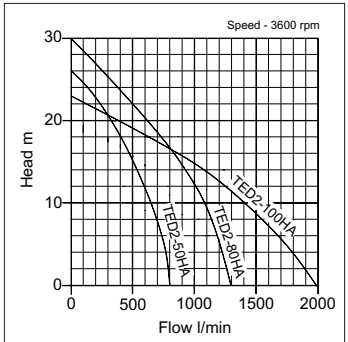
TED are powered by Honda 4-stroke, recoil start, petrol engines. They have the Oil Alert engine protection system fitted to prevent damage from inadequate lubrication during use with low oil, or while at an angle. All models have easy-carry frames, rubber feet (for engine noise and vibration absorption) and wing nuts for easy chamber access. Capable of pumping large volumes of water that contains sand, silt and suspended large solids, they are good for site drainage, land drainage, liquid waste removal, sewage and flood defence. A two wheeled trolley is also available as an optional extra.

EPT are powered by Yanmar diesel (L70), recoil or electric start, engines. Both models have easy-carry frames and rubber feet, for engine noise and vibration absorption. Capable of pumping large volumes of water that contains sand, silt and suspended large solids, they are good for site drainage, land drainage, liquid waste removal, sewage and flood defence. The **EPT3-80YDE** is electric start (with battery holder, but not battery) to ensure quick and effortless starting. A two wheeled trolley is also available as an optional extra.

Operating conditions: Maximum recommended suction lift: 6 mtrs | Oil alert engine protection

Fluid: Clean water | Dirty water | Water containing solids

Application: Hire fleets | Construction | Drainage | Waste removal | Submerged litter



TED-EPT	Type	Fuel	Starting
	Centrifugal	Petrol & Diesel	Recoil & Electric Start

Pump	Inlet & outlet chamber	Inlet & outlet (TED)	Inlet & outlet (EPT)
	Cast aluminium	Steel	Cast aluminium & steel
	Pump body	Inspection cover	Wing nuts
	Cast aluminium	Cast aluminium	Cast iron
	Volute	Impeller	Mechanical seal
	Chromium iron	Chromium iron	Silicon carbide

Handling & Hose fittings	Frame	Trolley (optional)
	Tubular steel	Tubular steel & solid rubber wheels
	Included fittings	
	hose couplings, sealing washers, hose clips & strainer	



EPT3-80YDE



TED2-80HA with
trolley



item code	model	inlet (mm)	outlet (mm)	engine	fuel	HP	oil alert	flow (l/min)	head (mtrs)	solids (mm)	w x l x h (mm)	dry weight (kgs)
18-20-1009	TED2-50HA	50	50	GX160	petrol	5.5	yes	800	26	25	430x570x400	33.0
18-20-1003	TED2-80HA	75	75	GX240	petrol	8	yes	1300	30	35	485x670x610	59.0
18-20-1014	TED2-100HA	100	100	GX340	petrol	10	yes	2000	23	35	480x725x610	69.0
18-20-1023	EPT3-80YD	75	75	L70	diesel	6.7	no	1150	27	31	485x680x620	79.0
18-20-1043	EPT3-80YDE	75	75	L70	diesel	6.7	no	1150	27	31	485x820x620	84.0
-	optional extra: site trolley											12.4

POLY

CENTRIFUGAL – SEAWATER & CHEMICAL



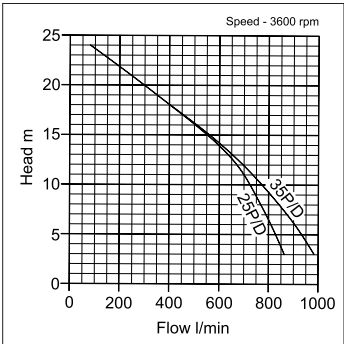
The **Poly** series are self-priming centrifugal pumps for the transfer of non-abrasive, but aggressive, liquids that would normally damage the components found in conventional engine driven pumps. The standard EPDM models will handle most detergents, many agricultural chemicals* and salt/sea water, but an optional Buna fitted seal set is available for pumping diesel (models 25P & 25D only). They are powered by either 4 stroke Honda petrol (with oil alert) or Yanmar diesel engines and have tubular steel, easy carry frames. A two wheeled trolley is also available as an optional extra.

** The selection of a pump must initially meet the basic corrosion resistant standards, however additional mechanical or physical properties in the duty may also need to be considered to achieve the overall service performance required. Please contact our sales department for guidance before selection.*

Operating conditions: Maximum recommended suction lift: 6 mtrs | Oil alert (petrol) engine protection

Fluid: Clear water | Liquids without abrasive particles
(EPDM is standard fit: detergents, chemicals, salt/seawater)
(Buna is optional fit: diesel)

Application: Agriculture | Industry | Marine | Chemicals | Seawater | Diesel transfer



POLY	Type	Fuel	Starting
	Centrifugal	Petrol & Diesel	Recoil

Pump	Inlet nipple	Outlet elbow	Pump body
	GFR polyester	GFR polyester	GFR polyester
	Volute	Impeller	Mechanical seal
	GFR polyester	GFR polyester	Carbon ceramic & EPDM
	Elastomers	Fixings	Couplings & strainer
	EPDM	S/S 316	GFR polypropylene

Handling & Hose fittings	Mounting plate & Frame	Trolley (optional)
	Steel & Tubular steel	Tubular steel & solid rubber wheels
	Included fittings	
	Quick release hose couplings & strainer.	



25 P



item code	model	inlet (mm)	outlet (mm)	engine	fuel	HP	oil alert	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
12-20-1002	25 P	50	50	GX160	petrol	5.5	yes	870	25	400x600x560	33.8
12-20-1005	35 P	75	75	GX160	petrol	5.5	yes	984	25	400x600x560	35.0
12-20-1006	25 D	50	50	L48	diesel	4.8	n/a	870	25	400x600x560	50.0
12-20-1000	35 D	75	75	L48	diesel	4.8	n/a	984	25	400x600x560	52.0
12-85-1003	Buna seal (fitted) option (models 25P & 25D only)										
-	optional extra: site trolley										12.4



SEDIMENT FILTER

100 MICRON FILTER



The **Sediment filter** sack is a filtration system, accepted by the Environment Agency, that controls flows and cleanses the water of silt and sediment and can detect the presence of hydrocarbons. With a robust casing, nylon lifting straps and a 20kgs capture weight, it enables the simple and safe disposal of silt by one person. Most effective when used with 50mm (2") to 80mm (3") pumps, e.g. 1 phase submersibles, small 3 phase submersibles and most engine driven pumps.



Budget Filter



Heavy-duty Filter



Oil Filter

item code	type	colour	duty	w x l x h (mm)	weight (kgs)
12-85-1057	Sediment filter, budget	Black	sediment capture c/w hydrocarbon detector	350x1240x10	0.3
12-85-1042	Sediment filter, h/duty	Green	sediment capture c/w hydrocarbon detector	350x1240x15	0.4
12-85-1047	Sediment & oil filter	Orange	sediment and hydrocarbon capture*	350x1240x20	0.75
* when used in conjunction with the C.I. Agent Polymer					

FL-5

30 to 50 LITRES PER MINUTE



FL-5 pumps are for pumping Adblue and other liquids from the urea manufacturing process. They are diaphragm pumps, with by-pass valves and integral on/off switches. They are for intermittent use, with a duty cycle of 20 minutes. 12 volt and 24 volt pumps are supplied with crocodile clips. Pump inlets and outlets are 1" FBSP, but 1" to 25mm and 1" to 20mm hose barbs are included for use with flexible hose. Supplied as "pump only", optional extras to create a pumping kit include manual nozzles*, discharge hose, suction hose (with a foot valve) and flowmeter. They **MUST NOT** pump petrol, high viscosity liquids, chemicals, solvents or products with a low flash point.

** Some vehicles will not accept this size of nozzle (please check with our sales department for guidance)*

Operating conditions: Intermittent duty | Max. ambient temperature: 40°C | Max. suction lift: 3 mtrs

Fluid: Adblue | Urea | Temperature: 0-60°C

Application: Plant & transport | Agriculture | Vehicle fleets | Decanting

FL-5	Type	Liquid	Power	
	Diaphragm	Adblue	AC & DC	

Pump	Pump body	Pump cover	Inlet/outlet spigots	Check valve
	Polyamide 66	Polyamide 66	Polyamide 66	Viton
	Diaphragm	Included fittings		
	Polyphenylene vinylene	Hose tails, 1"-20mm x 2 + 1" to 25mm x 2		

Motor	Enclosure	Insulation	Power cable (12-24V)	Power cable (110-230V)
	IP55	Class E	PVC x 1 mtr + battery clips	Rubber x 1 mtr



FL-5 Pump only



FL-5 Pump c/w optional frame, hoses & nozzle



FL-5 Pump c/w optional hoses & nozzle



Flow meter

item code	model	inlet (fbsp)	outlet (fbsp)	kW	amps	volt	flow (ltr/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
12-25-1019	FL-530	1"	1"	0.4	10	12	30	30	155x324x190	5.5
12-25-1020	FL-540	1"	1"	0.4	5.5	24	40	30	155x324x190	5.5
12-25-1021	FL-550A	1"	1"	0.4	3	110	50	30	155x324x190	6.5
12-25-1022	FL-550A	1"	1"	0.4	2	230	50	30	155x324x190	6.5
12-85-1067	Full protection frame (FR001)								260x370x290	3.2
12-85-1062	Plastic nozzle, manual, 1" MBSP & 19mm hose connections									
12-85-1051	Aluminium nozzle, manual, 1" FBSP connector									
12-85-1064	Fuel meter 1" FBSP inlet & outlet									
12-85-1065	Inlet hose c/w footvalve, 1" MBSP connector (25mm diameter x 2 metres long)									
12-85-1066	Discharge hose c/w 1" MBSP connectors (20mm diameter x 4 metres long),									



AMAZON • CONGO

DIESEL & WATER

The **Amazon** and **Congo** are low voltage (D.C.), plastic inline/submersible pumps for battery operation only. They are available in two formats: standard pump only, with a 4 metre PVC cable and crocodile clips, or as a kit which also has 4 metres of PVC/nitrile layflat hose and an adjustable on/off spray nozzle. Both are designed for transfer and drainage of fresh water, salt-water and diesel fuel. Higher heads can be achieved by operating pumps in series (inline). This is possible by detaching the removable strainer and exposing the inlet which has a hose connection. The hose from another pump, of the same hose size, can be connected to this. Motors are continuously rated, so they do not have a duty cycle, but brush life is finite and therefore determined by usage.

They must NOT pump, petrol, high viscosity liquids, chemicals, solvents or products with a low flash point.



Operating Conditions: Intermittent rating but should not be run dry for long periods | Finite brush life

Fluid: Clean water | Salt water | Diesel | Temperature: 0-80°C

Application: Industry | Construction | Horticulture | Transfer | Sprinkling | Filling

AMAZON - CONGO	Type	Liquids	Power
	Submersible	Diesel & Water	DC

Pump	Outlet	Outer cover	Pump casing
	Polypropylene	Polypropylene	Polypropylene
	Shaft	Impeller	Strainer
	Stainless steel	Polypropylene	Polypropylene

Motor	Motor casing	Power cable
	Polypropylene	PVC x 4 mtr + battery clips



Amazon



Congo



Amazon kit



Congo kit

item code	model	outlet (mm)	volt	amps	flow (l/min)	head (mtrs)	free passage (mm)	dia x h (mm)	dry weight (kgs)
12-10-1004	Amazon	13	12	4.5	18	10	1	Ø38x165	0.22
12-10-1016	Amazon	13	24	2.3	18	10	1	Ø38x165	0.22
12-10-1011	Congo	20	12	6	36	9	1	Ø38x165	0.25
12-10-1005	Congo	20	24	3	36	9	1	Ø38x165	0.25
12-10-1010	Amazon Kit	13	12	4.5	18	10	1	Ø38x165	0.22
12-10-1014	Amazon Kit	13	24	2.3	18	10	1	Ø38x165	0.22
12-10-1001	Congo Kit	20	12	6	36	9	1	Ø38x165	0.25
12-10-1007	Congo Kit	20	24	3	36	9	1	Ø38x165	0.25

DCC

30 LITRES PER MINUTE



The **DCC** is a low voltage (D.C.) self-priming pump, with a bypass valve suitable for diesel and biodiesel only. It has a carry handle and is supplied with battery cable, crocodile clips, integral fuse and a switch. Included is a pumping kit that comprises discharge hose, inlet hose, battery connectors, delivery nozzle* and foot-valve and strainer.

Some cars will not accept this size of nozzle (please check with our sales department for guidance)

**It MUST NOT pump petrol, high viscosity liquids, chemicals, solvents or products with a low flash point. It is supplied free-standing, but a full frame is available as an optional extra for ease of handling and added protection.*

Operating instructions: Intermittent duty cycle: 30 mins | Max. ambient temp: 40°C | Max suction lift: 2 mtrs

Fluid: Red diesel | White diesel | Biodiesel | Temperature: -20°C to 55°C

Application: Hire fleets | Plant & transport | Agriculture | Vehicle fleets

DCC	Type	Liquids	Power	
	Surface	Diesels	DC	

Pump	Pump body	Rotor	Sliding vanes	Front cover
	Cast iron	Steel	Acetal resin	Steel

Motor	Motor sleeve & handle	Enclosure	Power cable	
	Steel	IP55	PVC x 2 mtr + battery clips	

Hose Kit	Inlet hose	1" mBSP x 20mm x 2 mtr hose, foot-valve & strainer		
	Outlet hose	1" mBSP x 20mm x 4 mtr hose		
	Nozzle	Manual shut-off, aluminium, 1" fBSP swivel connector		



DCC12 c/w kit

item code	model	inlet (mm)	outlet (mm)	amps	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
19-25-1000	DCC12 c/w kit	20	20	22	12	30	10	112x200x145	4
19-25-1001	DCC24 c/w kit	20	20	12	24	30	10	112x200x145	4

The **EEM-20** is a self-priming diesel pumping kit, suitable also for pumping biodiesel or just water.

This pumping kit includes suction hose (with a foot-valve and strainer), delivery hose, swivel couplings and manual trigger nozzle*. It can be operated safely for up to 5 minutes with the nozzle in the closed position. Suitable also for pumping biodiesel or just water. It has a forward and reverse switch for filling and emptying applications.

**It MUST NOT pump petrol, high viscosity liquids, chemicals, solvents or products with a low flash point. It is supplied free-standing, but a full frame is available as an optional extra for ease of handling and added protection.*

Operating instructions: Max. ambient temperature: 40°C | Max. suction lift (+foot valve): 6 mtrs

Fluid: Red diesel | White diesel | Biodiesel | Temperature: 0-90°C

Application: Hire fleets | Plant & transport | Agriculture | Vehicle fleets



EEM	Type	Liquids	Power
	Surface	Diesels & Water	AC

Pump	Inlet & outlet	Front cover	Impeller
	Brass	Brass	Brass
	Pump body	Lip seal	Back cover
	Brass	NBR	S/S 304

Motor	Motor frame & handle	Enclosure	Power cable
	Cast aluminium & ABS	IP44	PVC x 1.5 mtr

Hose Kit	Inlet hose	3/4" fBSP x 20mm x 3 mtr hose, strainer
	Outlet hose	3/4" fBSP & 1" fBSP x 20mm x 3 mtr hose
	Nozzle	manual shut-off, aluminium, 1" fBSP swivel connector



EEM c/w kit



**EEM c/w kit
& frame**

item code	model	inlet (mm)	outlet (mm)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
12-15-1028	EEM20 c/w kit	20	20	0.37	110	28	22	120x248x245	5.30
12-15-1029	EEM20 c/w kit and frame	20	20	0.37	110	28	22	260x370x290	8.50
12-15-1030	EEM20 c/w kit	20	20	0.37	230	28	22	120x248x245	5.30
12-15-1031	EEM20 c/w kit and frame	20	20	0.37	230	28	22	260x370x290	8.50

VISCOMAT

SAE10W to SAEW140



The **Viscomat** is a self-priming rotary vane pump for the transfer of oils and lubricants. It has an adjustable bypass valve (which protects the pump for up to 2 minutes during closed valve conditions). Oils up to 500 centistokes, or ranging from SAE 10W up to SAEW/140 (gear oil), can be pumped, but flow rate will alter depending on viscosity and temperature of the oil in question (NB published performance based on 80 W oil at 20°C, no foot valve and 2 metre x 25mm/1" suction hose). Supplied free-standing, but a full frame is available as an optional extra for ease of handling and added protection.

It MUST NOT pump diesel, water, petrol, chemicals, solvents or products with a low flash point.

Operating conditions: Performance affected by oil viscosity & temperature | Max. ambient temp: 40°C | Max. suction lift: 2.5 mtrs

Fluid: Oil & lubricants up to 500 centistokes/SAE10W to SAEW/140 | Temperature: 0-40°C

Application: Industry | Utilities | Transfer | Process

VISCOMAT	Type	Liquids	Power
	Surface	Oils & Lubricants	AC

Pump	Pump body	Rotor	Sliding vanes
	Cast iron	Steel	Acetal resin

Motor	Motor frame	Enclosure	Power cable
	Cast aluminium	IP55	PVC x 1 mtr



Viscomat



Viscomat in frame

item code	model	inlet (BSPF)	outlet (BSPF)	kW	volt	flow (l/min)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
12-25-1003	Viscomat	1"	1"	1.2	110	30	60	145x330x230	13.2
12-25-1014	Viscomat	1"	1"	0.75	230	30	60	145x330x230	13.2
12-25-1006	Viscomat	1"	1"	0.75	400	30	60	145x330x195	13.2
12-85-1060	Optional extra: full protection frame (FR002)							300x440x360	3.9

METERS • HOSES • KITS • NOZZLES

ACCESSORIES

Gravity nozzles are for use with pumped and gravity systems. They are for manual operation i.e. they will not shut off automatically when rising fuel level covers the end of the spout. They have an alloy construction with BSPF brass rotating hose connectors.

Automatic nozzles are for use with pumped systems only. They are for automatic operation i.e. they will shut off when the rising fuel level covers the end of the spout. Alloy construction, with BSPF brass rotating hose connector, partly encased in rubber to protect them from shocks and to improve grip and comfort.

N.B. Some cars will not accept these nozzles (please check with our sales department for guidance).

Rubber hose: high quality rubber “drop hose” which has excellent flexibility and kink resistance. Suitable for suction and delivery of diesel fuels and oils; available by the metre.

PVC hose: high quality PVC and nitrile hose reinforced with an embedded PVC spiral-helix. Good flexibility and kink resistance. Suitable for suction and delivery of diesel fuels and oils; available by the metre.

Hose kits comprise a manual nozzle, hose fittings, strainer and 5 metres of rubber “drop hose” that can be cut to the required suction and discharge length. Diesel hose kits in PVC are available on request.

The **UR** series diesel flow-meters are for use with pumps that have a flow range of 20 to 120 litres per minute or gravity fed systems that push down a minimum 20 litre per minute flow. These meters are equipped with either a 3-digit or 4-digit resettable batch register (with marked tenths), and a non-resettable totaliser.



UR4

Automatic
nozzleManual
nozzle

Rubber hose



PVC hose



Hose Kit

item code	mode	inlet (BSPF)	outlet (BSPF)	w x l x h (mm)	dry weight (kgs)
12-85-1033	UR4	1"	1"	180x165x150	2.5

item code	type	inlet (BSPF)	nozzle diameter (mm)	maximum flow (ltrs per min)	dry weight (kgs)
12-85-1051	Gravity "A"	1"	25	80	0.8
12-85-1056	Auto 60	1"	25	60	1
12-85-1001	Auto 80	1"	25	80	1.2
12-85-1008	Auto 140	1"	32	140	1.4

item code	type	bore (mm)	unit	dry weight (kgs)
12-85-1018	hose, rubber	20	per metre	0.43
12-85-1016	hose, rubber	25	per metre	0.58
12-85-1041	hose, PVC	25	per metre	0.58
12-85-1032	hose, PVC	32	per metre	0.58
12-85-1009	hose, PVC	38	per metre	0.67
12-85-1055	hose kit, rubber	20	each	4.00
12-85-1028	hose kit, rubber	25	each	4.30

EZI-ACTION
MULTIPLE LIQUIDS



Ezi-action pumps are chemical resistant, robust hand pumps for the effortless transfer of fluids from drums and containers. Liquid is efficiently dispensed in volume on the up and the down stroke, at a safe low pressure. They can handle some acids, strong alkalis, cleaning chemicals, lubricants, diesel (including AdBlue/DEF), liquid food products and viscous liquids up to 8,800 centipoise. They are designed to sit on the base of the container and empty virtually all the contents. A variety of optional adaptors are available to enable correct connection to a container with a spout diameter greater than 45mm. An anti-pumping safety strap is fitted to secure the contents of the vessel when the pump is not in use. The safety measure kit provides totally enclosed calibrated dispensing and decanting of liquids. To prevent accidental siphoning, a non-siphon check valve is also available.

When considering an Ezi-action pump, we strongly recommend that you provide our sales department with written details of your application in order that suitability can be confirmed.

Operating conditions: Max. ambient temperature: 40°C

Fluid: Water | Some acids | Strong alkalis | Chemicals | Lubricants | Diesels | Adblue | Food stuffs
Liquids to 8,800 centipoise | Temperature: 0 - 50°C

Application: Industry | Agriculture | Decanting | Chemicals | DEF | Thick liquids

EZI-ACTION	Material	Liquids	Operation
	Plastic	Wide range of fluids	Double action

Pump	Strainer	Riser pipe	Pump	Seals & valves
	Polypropylene	Polypropylene	Polypropylene	LDPE
	Spout	Handle	Adaptor	
	Polypropylene	Polypropylene	Polypropylene, TPR, EPDM	

Bottle & Valve	Safety measure kit	Non-siphon check valve
	HDPE	LDPE



item code	pump model	output per stroke (ml)	suitable container size	suitable adaptor type (specify one of these at the time of order)	dry weight (kgs)
12-30-1022	25/5	160	20, 25 & 30 litre (male)	C55, C57, C63	0.4
12-30-1002	200/55	400	200 litre (45 gallon) drums	MBSP, M69, M55	0.7
12-30-1021	1000/220	400	1000 litre IBCs.	MBSP, M55	0.9



EZI-ACTION
MULTIPLE LIQUIDS

An adaptor is an optional extra but is required for maximum performance and ease of use.

Selecting the correct adaptor: 3 male thread options and 3 female options are available to fit the most popular thread styles in use in the UK. To determine the correct adaptor measure either the internal diameter of the container cap thread or the outside diameter of the bung, then describe the thread.



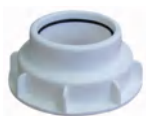
**Safety Measure
Kit**



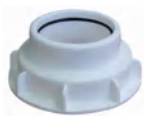
**Non-siphon
check valve**



Adaptor



C55



C57



C63



MBSP



M55



M69

item code	accessory	dry weight (kgs)
12-30-1006	safety measure kit	0.2
12-30-1031	non-siphon check valve	0.1

item code	adaptor	outlet dimension of container and thread description
12-30-1015	C55	55mm internal diameter with a medium thread
12-30-1023	C57	57mm internal diameter with a coarse thread
12-30-1019	C63	63mm internal diameter with a medium thread and flat edge
12-30-1001	MBSP	58mm outside diameter with a fine thread (usual fitting on metal drums)
12-30-1025	M55	55mm outside diameter with a medium thread (also known as Trisure, BCS, Mauser)
12-30-1007	M69	69mm outside diameter with a coarse thread

BARREL PUMPS

DIESEL • CHEMICALS



HP1000

Model **MS** is a basic, fully rotary, hand pump for diesel, paraffin and oil transfer. Supplied with 25mm outlet spout, 1000mm (3 part) rigid riser tube, barrel adaptor, strainer stand and operating handle.

It should not pump water, petrol, chemicals, solvents or products with a low flash point.

Model **HP1000** is a high output, fully rotary, hand pump for unleaded petrol, diesel, paraffin and low viscosity oil transfer. Supplied with an outlet spout, 1000mm riser tube, barrel adaptor, strainer, operating handle and 1 metre of discharge pipe.

It should not pump water, chemicals or solvents.

Poly and **Ryton®** are lightweight, fully rotary pumps for a variety of liquids*. They are supplied with 19mm spouts, 3 part (390mm) intake tubes (assembles to 1200mm), barrel adaptors and operating handles. Alternative adaptors are available, as an optional extra, to enable their use on barrels and containers without a 2" BSPf connection.

Poly: Suitable for water based solutions of acids, alkalis and salts, some organic solvents, water, diesel, biodiesel and oils up to SAE 90.

Ryton®: Suitable for aggressive chemicals such as chlorinated solvents, aromatic and aliphatic hydrocarbons. Not suitable for ketones or esters or very strong oxidising agents in a concentrated form (i.e. not suitable for nitric acid over 50%).

** With the exception of use in water, we strongly recommend that you provide our sales department with written details of your application so that the correct selection can be made.*

WARNING: Static electricity may be generated by the operation of rotary pumps. In order to prevent sparking caused by static build-up, when pumping flammable liquids an insulated bonding wire must be used i.e. the container must be grounded to earth by means of a conductive earthing lead, fastened between the container and a suitable grounded earth point.



Ryton®

Poly

Operating conditions: Max. ambient temperature: 40°C

Fluid: Various liquids compatible with materials of construction | Temperature: 0°C - 50°C

Application: Industry | Utilities | Plant | Chemicals | Diesel | Oil

BARREL PUMPS	Type	Liquids	Operation
	Metal & Plastic	Wide range of fluids	Rotating action

	MS	HP1000	Poly	Ryton
Strainer	Cast iron & steel gauze	Nylon & steel mesh	Polypropylene	Ryton
Riser pipe	Steel	Steel	Polypropylene	Ryton
Pump	Cast iron & sinter steel	Cast aluminium & S/S	Polypropylene & phenolic	Ryton
Seal	NBR	NBR	Viton	Viton
Spout	Steel	Steel	Polypropylene	Ryton
Crank handle	Cast iron & nylon	Cast aluminium & nylon	Polypropylene & nylon	Ryton & nylon
Bung adaptor	Cast iron	Cast aluminium	Polypropylene	Ryton



MS

item code	model	outlet (mm)	flow (l/min)	w x l x h (mm)	dry weight (kgs)
12-30-1026	MS	25	25	130x220x1265	4.5
15-30-1000	HP1000	25	100	160x200x1180	5.1
12-30-1030	Poly	25	35	130x220x1265	2.9
12-30-1024	Ryton®	25	35	130x220x1265	2.9
Optional extra: adaptor to enable use of pump on barrel/container without 2" BSP					



DINGHY BAILER

WATER & DIESEL

The **Dinghy Bailer** is a lift and force hand pump for drainage and transfer of water or diesel. This pump is tough, yet lightweight and supplied with a discharge hose, which can also be used on the inlet, for threading into flooded, inaccessible areas.

Operating conditions: Max. ambient temperature: 40°C

Fluid: Water | Diesel | Temperature: 0°C - 50°C

Application: Marine | Utilities | Decanting | Leisure | Transfer | Bilge pumping



DINGHY BAILER	Material	Liquids	Operation
	Plastic	Water & Diesel	Double action

Pump	Inlet	Pump	Non return valve
	uPVC	uPVC	Nitrile rubber
	Outlet	Handle	Inlet/outlet hose
	uPVC	uPVC	PVC x 1 mtr



Dinghy Bailer

item code	model	inlet (mm)	outlet (mm)	flow (l/min)	suction lift (mtrs)	head (mtrs)	dia x l (mm)	dry weight (kgs)
12-30-1004	Dinghy Bailer	32	32	45	2	2	Ø60x580	0.4

HAND OPERATED DIAPHRAGM

SD

WATER • DIESEL • CHEMICAL^[1]



SD series are push-pull, lever operated, single diaphragm, hand-pumps for drainage and transfer of water containing non-abrasive solids, oils etc. The **SD45C** is designed for mounting directly on a vertical surface (base mounting brackets are an optional extra) while the **SD60FM** can be mounted vertically or horizontally. Both have a nitrile diaphragm which will work well with white and red diesel, but for longevity (and use with bio-diesel) higher acetonitrile diaphragms can be fitted (at an extra cost). Viton®, Butyl or Neoprene diaphragms can be fitted for compatibility with chemicals*, also at an extra cost.^[1]

**We strongly recommend that you provide our sales department with written details of your application so that the correct selection can be made.*

Operating conditions: Max. ambient temperature: 40°C

Fluid: Water | Water with floating suspended debris | Diesel | Temperature: 0°C - 50°C

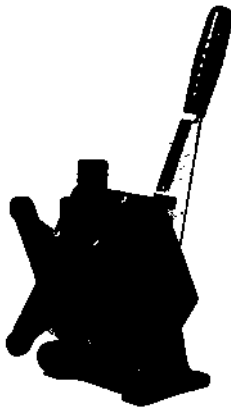
Application: Industry | Domestic | Utilities | Horticulture | Boating | Transfer & decanting

SD	Type	Liquids	Operation
	Metal & Plastic	Water & Diesels	Lever action

	SD60FM	SD45C
Inlet & outlet	Polypropylene	Cast aluminium
Pump body	Polypropylene	Cast aluminium
Non return valve	Nitrile rubber	Nitrile rubber
Diaphragm	Nitrile rubber	Nitrile rubber
Lever	Cast aluminium & PVC	Steel & PVC



SD45C



SD60FM

item code	model	inlet (mm)	outlet (mm)	flow (l/min)	suction lift (mtrs)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
12-30-1003	SD45C	25	25	45	4.5	4.5	113x197x226	2.0
12-30-1016	SD60FM	25 & 38	25 & 38	66	6	4.5	160x175x335	0.8



DD

WATER • DIESEL^[1] • CHEMICAL^[1]

The DD series are push-pull, lever operated, double diaphragm, hand-pumps for drainage and transfer of dirty water containing solids, oils etc. They are available as fixed or portable units. The fixed versions have mounting flanges and 380mm long levers. The portable versions have base-plates, strainers, hose clips and 600mm long levers. They have nitrile diaphragms which will work well with white and red diesel, but for longevity (and use with bio-diesel) higher acetonitrile diaphragms can be fitted (at an extra cost). Viton®, Butyl or Neoprene diaphragm can be fitted for compatibility with chemicals*, also at an extra cost.^[1]

**We strongly recommend that you provide our sales department with written details of your application so that the correct selection can be made.*

Operating conditions: Max. ambient temperature: 40°C

Fluid: Water | Water with floating suspended debris | Diesel | Temperature: 0°C - 50°C

Application: Industry | Domestic | Utilities | Horticulture | Boating | Transfer & decanting



DD	Type	Liquids	Operation
	Metal & Plastic	Water & Diesels	Lever action

Inlet & outlet	Cast aluminium
Pump body	Cast aluminium
Diaphragms & NRVs	Nitrile rubber
Lever	Steel & PVC
Baseplate	Cast aluminium
Strainer (c/w base)	Cast aluminium



DD100C



DD120C c/w base

item code	model	inlet (mm)	outlet (mm)	flow (l/min)	suction lift (mtrs)	head (mtrs)	w x l x h (mm)	dry weight (kgs)
12-30-1027	DD100C	32	32	80	6	6	156x200x244	3.1
12-30-1005	DD120C	38	38	136	6	6	183x356x265	4.5
12-30-1000	DD100C c/w base	32	32	80	6	6	215x560x275	4.9
12-30-1008	DD120C c/w base	38	38	136	6	6	215x560x296	6.0

SUCTION & DELIVERY

MEDIUM & HEAVY DUTY



SUCTION & DELIVERY HOSE PVC (rigid but flexible, shock resistant, embedded nylon spiral-helix reinforced construction)								
size inches (ID mm)	colour (duty)	working pressure (bar)	packing weight, per metre (kgs)	6 metre coil (item code)	10 metre coil (item code)	15 metre coil (item code)	20 metre coil (item code)	30 metre coil (item code)
¾" (19mm)	green opaque (medium)	7	0.28	11-55-1024	11-55-1039	11-55-1042	11-55-1061	11-55-1005
1" (25mm)	green opaque (medium)	7	0.30	11-55-1098	11-55-1053	11-55-1057	11-55-1018	11-55-1031
1¼" (32mm)	green opaque (medium)	6.5	0.39	11-55-1069	11-55-1085	11-55-1064	11-55-1060	11-55-1043
1½" (38mm)	green opaque (medium)	6	0.52	11-55-1050	11-55-1019	11-55-1033	11-55-1047	11-55-1080
1½" (40mm)	black opaque (light)	2	0.46	11-55-1030	11-55-1029	11-55-1077	11-55-1046	11-55-1058
2" (51mm)	green opaque (medium)	4.5	0.80	11-55-1090	11-55-1054	11-55-1032	11-55-1072	11-55-1076
2½" (63mm)	green opaque (medium)	4	1.04	11-55-1062	11-55-1083	11-55-1049	11-55-1048	11-55-1023
3" (76mm)	green opaque (medium)	4	1.38	11-55-1014	11-55-1007	11-55-1003	11-55-1073	11-55-1012
4" (102mm)	green opaque (medium)	3.5	2.22	11-55-1025	11-55-1063	11-55-1082	11-55-1006	11-55-1101
6" (152mm)	green opaque (medium)	3	4.40	11-55-1021	11-55-1055	11-55-1081	11-55-1002	11-55-1017

WIRE ARMoured SUCTION & DELIVERY HOSE RUBBER c/w BAUER LEVER LOCK COUPLINGS (rigid but flexible, black conductive EPDM, high tensile textile cords with embedded steel spiral helix reinforced construction. 1 x female + 1 x male Bauer)					
size inches (ID mm)	colour (duty)	working pressure (bar)	packing weight (kgs) coil + 2 x Bauers	3 metre coil (item code)	6 metre coil (item code)
2" (51mm)	black (heavy duty)	8	9.2	-	11-55-1130
3" (76mm)	black (heavy duty)	7	18.4	-	11-55-1131
4" (102mm)	black (heavy duty)	6	26.6	-	11-55-1132
6" (152mm)	black (heavy duty)	6	31.3	11-55-1133	-
8" (203mm)	black (heavy duty)	4.5	38.7	11-55-1137	-



DELIVERY

LAYFLAT



LAYFLAT DELIVERY HOSE PVC (soft, flat and flexible, yarn reinforced construction)									
size inches (ID mm)	colour (duty)	working pressure (bar)	packing weight, per metre (kgs)	6 metre coil (item code)	10 metre coil (item code)	20 metre coil (item code)	30 metre coil (item code)	50 metre coil (item code)	100 metre coil (item code)
1" (25mm)	blue (medium)	4	0.15	11-55-1078	11-55-1091	11-55-1026	11-55-1093	11-55-1084	11-55-1074
1¼" (32mm)	blue (medium)	4	0.17	11-55-1075	11-55-1065	11-55-1052	11-55-1010	11-55-1051	11-55-1066
1½" (38mm)	blue (medium)	3.5	0.21	11-55-1011	11-55-1099	11-55-1035	11-55-1095	11-55-1079	11-55-1087
2" (52mm)	blue (medium)	3.5	0.22	11-55-1086	11-55-1009	11-55-1037	11-55-1059	11-55-1094	11-55-1000
3" (76mm)	blue (medium)	3.5	0.35	11-55-1034	11-55-1097	11-55-1056	11-55-1013	11-55-1041	11-55-1001
4" (102mm)	blue (medium)	3.5	0.55	11-55-1067	11-55-1045	11-55-1096	11-55-1088	11-55-1028	11-55-1004
6" (152mm)	blue (medium)	3	0.90	11-55-1089	11-55-1044	11-55-1008	11-55-1071	11-55-1068	11-55-1092

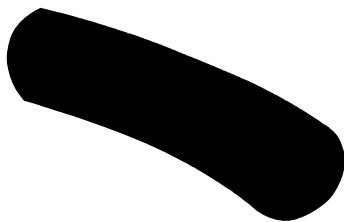
HOSE

SPECIAL PURPOSE



BUDGET DELIVERY

Spiral-helix reinforced, thin and highly flexible PVC hose for very light duty, economy or aquatic use. Supplied in 30 metre coils only.



item code	size inches (ID mm)	working pressure (bar)	packing weight per coil (kgs)
11-55-1015	1" (25mm)	1	4.80
11-55-1027	1¼" (32mm)	1	7.25
11-55-1020	1½" (38mm)	1	10.20

HIGH PRESSURE DELIVERY

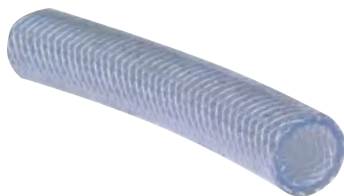
Kink resistant, double layered, highly flexible PVC hose for irrigation and other high pressure water duties. Food and drinking water safe. Ultra-violet and abrasion resistant. Supplied in cut lengths or 25 metre coils.



diameter (inch)	working pressure (bar)	packing weight per metre (kgs)	10 metre coil (item code)	15 metre coil (item code)	25 metre coil (item code)
½" (12.5mm)	10	0.14	11-55-1103	11-55-1104	11-55-1105
¾" (19mm)	8	0.26	11-55-1106	11-55-1107	11-55-1108
1" (25mm)	8	0.42	11-55-1109	11-55-1110	11-55-1111
1¼" (30mm)	6	0.66	11-55-1112	11-55-1113	11-55-1114
2" (50mm)	5	0.8	11-55-1115	11-55-1116	11-55-1117

BRAIDED SUCTION & DELIVERY

Polyester reinforced, clear PVC flexible hose.
Supplied in cut lengths or 30 metre coils. * (1¼" (30mm) : 25 metre coil)



diameter (inch)	working pressure (bar)	packing weight per metre (kgs)	10 metre coil (item code)	15 metre coil (item code)	30 metre coil (item code)
½" (12.5mm)	12	0.13	11-55-1118	11-55-1119	11-55-1120
¾" (19mm)	10	0.25	11-55-1121	11-55-1122	11-55-1123
1" (25mm)	9	0.40	11-55-1124	11-55-1125	11-55-1126
1¼" (30mm)	7	0.60	11-55-1127	11-55-1128	11-55-1129 *



Available individually, or in packs.

PIPE FITTINGS
GENERAL PURPOSE

HOSE TAIL C/W FEMALE BSP SWIVEL

hose tail c/w female BSP swivel	polypropylene	units per pack
(BSP female x hose i.d. (nom.bore))	part number	
½" x 13mm(½")	13011301	25
¾" x 20mm(¾")	13011901	25
1" x 20mm(¾")	1301251901	25
1" x 25mm(1")	13012501	25
1¼" x 25mm(1")	1301322501	25
1¼" x 32mm(1¼")	13013201	25
1½" x 40mm(1½")	13014001	10
2" x 50mm(2")	13015001	10
2" x 50mm(2") c/w lugs	13015001L	2
3" x 75mm(3") c/w lugs	13018001	2
4" x 100mm(4") c/w lugs	130110001	2



HOSE TAIL C/W FEMALE BSP SWIVEL

hose tail c/w female BSP swivel	malleable iron	units per pack
(BSP female x hose i.d. (nom.bore))	part number	
2" x 50mm(2") c/w lugs	13015003	2
4" x 100mm(4") c/w lugs	130110004	2



HOSE TAIL C/W FEMALE BSP SWIVEL

hose tail c/w female BSP swivel	alloy	units per pack
(BSP female x hose i.d. (nom.bore))	part number	
1" x 25mm(1") c/w lugs	13012504	10
2" x 50mm(2") c/w lugs	13015004	2
3" x 75mm(3") c/w lugs	13018004	2



HOSE TAIL C/W FEMALE BSP SWIVEL

hose tail c/w female BSP swivel	brass	units per pack
(BSP female x hose i.d. (nom.bore))	part number	
½" x 13mm(½") c/w lugs	13011302	10
¾" x 20mm(¾") c/w lugs	13011902	10
1" x 25mm(1") c/w lugs	13012502	10
1¼" x 32mm(1¼") c/w lugs	13013202	4
1½" x 38mm(1½") c/w lugs	13014002	4
2" x 50mm(2") c/w lugs	13015002	2
3" x 75mm(3") c/w lugs	13018002	2
4" x 100mm(4") c/w lugs	130110002	2



HOSE TAIL C/W FEMALE BSP SWIVEL

hose tail c/w female BSP swivel	alloy x PVC	units
(BSP female x hose i.d. (nom.bore))	part number	
3" x 75mm(3") c/w lugs	1301800	1



PIPE FITTINGS

GENERAL PURPOSE

Available individually, or in packs.



WASHERS

washers	rubber or leather	units per pack
(to fit hose BSP swivel size)	part number	
½"	13631305	20
¾"	13631905	20
1"	13632505	20
1¼"	13633205	20
1½"	13634005	20
2"	13635005	20
3"	13638005	20



HOSE TAIL C/W MALE BSP

hose tail c/w male BSP	polypropylene	units per pack
(BSP male x hose i.d. (nom. bore))	part number	
½" x 13mm(½")	13021301	25
¾" x 13mm(½")	1304191301	25
¾" x 20mm(¾")	13021901	25
¾" x 25mm(1")	1304192501	25
1" x 20mm(¾")	1304251901	25
1" x 25mm(1")	13022501	25
1" x 32mm(1¼")	1304253201	25
1¼" x 25mm(1")	1304322501	25
1¼" x 32mm(1¼")	13023201	25
1¼" x 40mm(1½")	1304324001	25
1½" x 38mm(1½") & 32(1¼")	130440383201	10
1½" x 40mm(1½")	13024001	10
1½" x 50mm(2")	1304405001	10
2" x 50mm(2")	13025001	10
3" x 75mm(3")	13028001	6



HOSE TAIL C/W MALE BSP

hose tail c/w male BSP	brass	units per pack
(BSP male x hose i.d. (nom. bore))	part number	
½" x 13mm(½")	13021302	10
¾" x 20mm(¾")	13021902	10
1" x 20mm(¾")	1304251902	10
1" x 25mm(1")	13022502	10
1¼" x 32mm(1¼")	13023202	4
1½" x 38mm(1½")	13024002	4
2" x 50mm(2")	13025002	2
2½" x 65mm(2½")	130256502	2
3" x 75mm(3")	13028002	2
4" x 100mm(4")	13021002	2



Available individually, or in packs.

PIPE FITTINGS
QUICK RELEASE

AIR HOSE COUPLING C/W FEMALE BSP

air hose coupling c/w female BSP	zinc plate steel	units per pack
hose connection x BSP female	part number	
QR x 1"	130910001	10



QUICK RELEASE C/W HOSE TAIL

quick release c/w hose tail	brass	units per pack
(hose i.d. (nom. bore))	part number	
13mm (½")	13451202	10
20mm (¾")	13451902	10
25mm (1")	13452502	10
32mm (1¼")	13453202	10
38mm (1½")	13454002	10



QUICK RELEASE C/W FEMALE BSP

quick release c/w female BSP	brass	units per pack
(BSP female)	part number	
½"	13461202	10
¾"	13461902	10
1"	13462502	10
1¼"	13463202	10
1½"	13464002	10



QUICK RELEASE C/W MALE BSP

quick release c/w male BSP	brass	units per pack
(BSP male)	part number	
½"	13471202	10
¾"	13471902	10
1"	13472502	10
1¼"	13473202	10
1½"	13474002	10



QUICK RELEASE BLANKING CAP

quick release blanking cap	brass	units per pack
(to fit)	part number	
all sizes	13480002	10



PIPE FITTINGS

QUICK RELEASE



CAM COUPLING C/W HOSE TAIL - PART C

cam coupling c/w hose tail - part C	alloy	units
(hose i.d. (nom. bore))	part number	
25mm(1")	13412504	1
50mm(2")	13415004	1
75mm(3")	13418004	1
100mm(4")	134110004	1



CAM COUPLING C/W FEMALE BSP - PART D

cam coupling c/w female BSP - part D	alloy	units
(BSP female)	part number	
1"	13422504	1
2"	13425004	1
3"	13428004	1
4"	134210004	1



CAM ADAPTOR C/W FEMALE BSP - PART A

cam adaptor c/w female BSP - part A	alloy	units
(BSP female)	part number	
1"	13402504	1
2"	13405004	1
3"	13408004	1
4"	134010004	1



CAM ADAPTOR C/W HOSE TAIL - PART E

cam adaptor c/w hose tail - part E	alloy	units
(hose i.d. (nom.bore))	part number	
25mm(1")	13432504	1
50mm(2")	13435004	1
75mm(3")	13438004	1
100mm(4")	134310004	1



FIRE COUPLING FEMALE C/W FEMALE BSP

instantaneous (British Fire Service)	alloy	units
(instantaneous Female x female BSP)	part number	
2½" x 2"	130004	1



FIRE COUPLING MALE C/W FEMALE BSP

instantaneous (British Fire Service)	alloy	units
(instantaneous Male x female BSP)	part number	
2½" x 2"	130005	1



PIPE FITTINGS

GENUINE BAUERS

LEVER LOCK COUPLING - FEMALE

lever lock coupling - female	galvanised steel	units
(coupling size x hose i.d. (nom. bore))	part number	
50mm x 50mm(2")	13875006	1
89mm x 75mm(3")	13878006	1
108mm x 102mm(4")	138710006	1
159mm x 152mm(6")	1387150006	1



LEVER LOCK COUPLING - MALE

lever lock coupling - male	galvanised steel	units
(coupling size x hose i.d. (nom. bore))	part number	
50mm x 50mm(2")	13855006	1
89mm x 75mm(3")	13858006	1
108mm x 102mm(4")	138510006	1
159mm x 152mm(6")	13851510006	1



LEVER LOCK COUPLING - MALE C/W MALE BSP

lever lock coupling - male c/w male BSP	galvanised steel	units
(coupling size x BSP male)	part number	
50mm x 2"	13865006	1
89mm x 3"	13868006	1
108mm x 4"	138610006	1
159mm x 6"	138615006	1



LEVER LOCK COUPLING - FEMALE C/W MALE BSP

lever lock coupling - female c/w male BSP	galvanised steel	units
(coupling size x BSP male)	part number	
50mm x 2"	13905006	1
89mm x 3"	13908006	1
108mm x 4"	139010006	1
159mm x 6"	139015006	1



PIPE FITTINGS
GENERAL PURPOSE

Available individually, or in packs.



NIPPLE

nipple	polypropylene	units per pack
(BSP male x BSP male)	part number	
½" x ½"	13061301	100
¾" x ½"	1308191301	100
¾" x ¾"	13061901	100
1" x ½"	1308251301	100
1" x ¾"	1308251901	100
1" x 1"	13062501	50
1¼" x ¾"	1308321901	50
1¼" x 1"	1308322501	50
1¼" x 1¼"	13063201	50
1½" x 1"	1308402501	50
1½" x 1¼"	1308403201	50
1½" x 1½"	13064001	50
2" x 1¼"	1308503201	5
2" x 1½"	1308504001	5
2" x 2"	13065001	10
3" x 3"	13068001	2

NIPPLE

nipple	brass	units per pack
(BSP male x BSP male)	part number	
½" x ½"	13051302	10
¾" x ½"	1311191303	10
¾" x ¾"	13051902	10
1" x ½"	1311251303	10
1" x ¾"	1311251903	10
1" x 1"	13052502	10
1¼" x 1"	1311322503	10
1¼" x 1¼"	13053202	10
1½" x 1"	1311402503	5
1½" x 1¼"	1311403203	5
1½" x 1½"	13054002	5
2" x 1"	1311502503	4
2" x 1¼"	1311503203	4
2" x 1½"	1311504003	4
2" x 2"	13055002	4

NIPPLE

nipple	galvanised iron	units per pack
(BSP male x BSP male)	part number	
2½" x 2"	1305655003	2
2½" x 2½"	13056503	2
3" x 2"	1305805003	2
3" x 2½"	1305806503	2
3" x 3"	13058003	2
4" x 4"	130510003	2



Available individually, or in packs.

PIPE FITTINGS

GENERAL PURPOSE

NIPPLE - LONG

long nipple	galvanised steel	units
(BSP male x BSP male x length mm)	part number	
1" x 1" x 150mm	130006	1
1¼" x 1¼" x 150mm	130003	1
2" x 2" x 300mm	13055003-300	1
3" x 3" x 300mm	13058003-300	1



SOCKET

socket	polypropylene	units per pack
(BSP female x BSP female)	part number	
½" x ½"	13131301	100
¾" x ½"	1316191301	50
¾" x ¾"	13131901	50
1" x ¾"	1316251901	50
1" x 1"	13132501	50
1¼" x 1"	1316322501	25
1¼" x 1¼"	13133201	25
1½" x 1¼"	1316403201	10
1½" x 1½"	13134001	10
2" x 1½"	1316504001	5
2" x 2"	13135001	5



SOCKET

socket	brass	units per pack
(BSP female x BSP female)	part number	
½" x ½"	13151302	10
¾" x ¾"	13151902	10
1" x 1"	13152502	10
1¼" x 1¼"	13153202	10
1½" x 1½"	13154002	5
2" x 2"	13155002	5



SOCKET

socket	galvanised iron	units per pack
(BSP female x BSP female)	part number	
2" x 2"	13145003	5
2½" x 2½"	13146504	2
3" x 3"	13148003	2
4" x 4"	131410003	2
6" x 6"	131415001	2



PIPE FITTINGS

GENERAL PURPOSE

Available individually, or in packs.



BULKHEAD FITTING

bulkhead fitting	polypropylene	units per pack
(BSP male x BSP male)	part number	
¾" x ¾"	13311901	50
1" x 1"	13312501	50
2" x 2"	13315001	10



BUSH

bush	polypropylene	units per pack
(BSP male x BSP female)	part number	
¾" x ½"	1317191301	50
¾" x 1"	1317192501	50
1" x ½"	1317251301	50
1" x ¾"	1317251901	50
1" x 1¼"	1317253201	25
1¼" x ¾"	1317321901	25
1¼" x 1"	1317322501	25
1¼" x 1½"	1317324001	25
1½" x ¾"	1317401901	10
1½" x 1"	1317402501	10
1½" x 1¼"	1317403201	10
1½" x 2"	1317405001	5
2" x 1"	1317502501	5
2" x 1¼"	1317503201	5
2" x 1½"	1317504001	5
3" x 2"	1317805001	2



BUSH

bush	brass	units per pack
(BSP male x BSP female)	part number	
¾" x ½"	1318191303	10
1" x ½"	1318251303	10
1" x ¾"	1318251903	10
1¼" x ¾"	1318321903	5
1¼" x 1"	1318322503	5
1½" x 1"	1318402503	5
1½" x 1¼"	1318403203	5
2" x 1"	1318502503	4
2" x 1¼"	1318503203	4
2" x 1½"	1318504003	4



BUSH

bush	galvanised iron	units per pack
(BSP male x BSP female)	part number	
2" x 1¼"	1359503203	4
2½" x 2"	1359655003	2
3" x 2"	1359805003	2
3" x 2½"	13598065003	2



Available individually, or in packs.

PIPE FITTINGS
GENERAL PURPOSE

SWIVEL COUPLING

3 part swivel union	brass	units
male BSP x female BSP	part number	
1" x 1"	130001	1



ELBOW HOSE TAIL C/W FEMALE BSP SWIVEL

elbow hose tail c/w female BSP swivel	polypropylene	units per pack
(BSP female x hose i.d. (nom bore))	part number	
½" x 13mm(½")	13071301	25
¾" x 20mm(¾")	13071901	25
1" x 25mm(1")	13072501	25
1¼" x 25mm(1")	1307322501	25
1¼" x 32mm(1¼")	13073201	25
1½" x 40mm(1½")	13074001	10
2" x 50mm(2")	13075001	10



ELBOW - FEMALE BSP

elbow - female BSP	polypropylene	units per pack
(BSP female x BSP female)	part number	
½" x ½"	13271301	20
¾" x ¾"	13271901	20
1" x 1"	13272501	20
1¼" x 1¼"	13273201	10
1½" x 1½"	13274001	10
2" x 2"	13275001	5



ELBOW - FEMALE BSP

elbow - female BSP	brass	units per pack
(BSP female x BSP female)	part number	
½" x ½"	13581302	10
¾" x ¾"	13581902	10
1" x 1"	13582502	5
1¼" x 1¼"	13583202	5
1½" x 1½"	13584002	5
2" x 2"	13585002	4



ELBOW - FEMALE BSP

elbow - female BSP	galvanised iron	units per pack
(BSP female x BSP female)	part number	
2½" x 2½"	13586503	2
3" x 3"	13588003	2
4" x 4"	135810003	2



PIPE FITTINGS
GENERAL PURPOSE

Available individually, or in packs.



ELBOW - HOSE TAILS

elbow - hose tails	nylon	units per pack
(hose i.d. (nom.bore))	part number	
13mm x 13mm (½" x ½")	13291301	10
20mm x 20mm (¾" x ¾")	13291901	10
25mm x 25mm (1" x 1")	13292501	10
32mm x 32mm (1¼" x 1¼")	13293201	10
38mm x 38mm (1½" x 1½")	13294001	5
50mm x 50mm (2" x 2")	13295001	5



TEE - FEMALE BSP

tee - female BSP	polypropylene	units per pack
(BSP female x BSP female x BSP female)	part number	
½" x ½" x ½"	13191301	10
¾" x ¾" x ¾"	13191901	10
1" x 1" x 1"	13192501	10
1¼" x 1¼" x 1¼"	13193201	10
1½" x 1½" x 1½"	13194001	5
2" x 2" x 2"	13195001	5



TEE - FEMALE BSP

tee - female BSP	brass	units per pack
(BSP female x BSP female x BSP female)	part number	
½" x ½" x ½"	13251303	10
¾" x ¾" x ¾"	13251903	10
1" x 1" x 1"	13252503	10
1¼" x 1¼" x 1¼"	13253203	5
1½" x 1½" x 1½"	13254003	5
2" x 2" x 2"	13255003	4



TEE - MALE BSP

tee - male BSP	polypropylene	units per pack
(BSP male x BSP male x BSP male)	part number	
½" x ½" x ½"	13201301	50
1" x 1" x 1"	13202501	20
1¼" x 1¼" x 1¼"	13203201	10
1½" x 1½" x 1½"	13204001	5



Available individually, or in packs.

PIPE FITTINGS
GENERAL PURPOSE

TEE - HOSE TAILS

tee - hose tails	nylon	units per pack
(hose i.d x hose i.d x hose i.d (nom. bore))	part number	
13mm x 13mm x 13mm (½" x ½" x ½")	13261301	10
20mm x 20mm x 20mm (¾" x ¾" x ¾")	13261901	10
25mm x 25mm x 25mm (1" x 1" x 1")	13262501	10
32mm x 32mm x 32mm (1¼" x 1¼" x 1¼")	13263201	10
38mm x 38mm x 38mm (1½" x 1½" x 1½")	13264001	5
50mm x 50mm x 50mm (2" x 2" x 2")	13265001	5



HOSE JOINER

hose joiner	steel	units per pack
(hose i.d. (nom. bore))	part number	
13mm (½")	13381302	5
20mm (¾")	13381904	5
25mm (1")	13382504	5



HOSE JOINER

hose joiner	alloy	units per pack
(hose i.d. (nom. bore))	part number	
32mm (1¼")	13383204	5
38mm (1½")	13384004	5
50mm (2")	13385004	5
75mm (3")	13388004	2
100mm (4")	133810004	2



GATE VALVE

gate valve	brass	units per pack
(BSP female)	part number	
½"	13491302	4
¾"	13491902	4
1"	13492502	4
1¼"	13493202	4
1½"	13494002	4
2"	13495002	4
2½"	13496502	4
3"	13498002	4
4"	134910002	4



PIPE FITTINGS

VALVES

Available individually, or in packs.



BALL VALVE

ball valve	brass	units per pack
(BSP female)	part number	
½"	13531302	4
¾"	13531902	4
1"	13532502	4
1¼"	13533201	4
1½"	13534002	4
2"	13535002	4
2½"	13536502	4
3"	13538002	4
4"	135310002	4



NON RETURN VALVE - SWING CHECK

non return valve - swing check	brass c/w rubber valve	units per pack
(BSP female)	part number	
1"	13542502	4
1¼"	13543202	4
1½"	13544002	4
2"	13545002	2
2½"	13546502	2
3"	13548002	2
4"	135410002	2



NON RETURN VALVE - SPRING CHECK

non return valve - spring check	poly c/w nylon valve	units per pack
(BSP female)	part number	
1"	13552501	4



NON RETURN VALVE - SPRING CHECK

non return valve - spring check	brass c/w nylon valve	units per pack
(BSP female)	part number	
½"	13561302	4
¾"	13561902	4
1"	13562502	4
1¼"	13563202	4
1½"	13564002	4
2"	13565002	2
2½"	13566502	2
3"	13568002	2
4"	135610002	2



Available individually, or in packs.

PIPE FITTINGS
VALVES

FOOT VALVE AND STRAINER

foot valve and strainer	brass, s/steel c/w nylon valve	units per pack
(BSP female)	part number	
½"	13571302	4
¾"	13571902	4
1"	13572502	4
1¼"	13573202	4
1½"	13574002	4
2"	13575002	2
3"	13578002	2
4"	135710002	2



FOOT VALVE AND STRAINER

foot valve and strainer	cast iron c/w rubber valve	units per pack
(hose I.d. (nom. bore))	part number	
50mm (2")	13625004	2
75mm (3")	13628004	2
100mm (4")	136210004	2



INLINE STRAINER

inline strainer	brass c/w s/steel element	units per pack
(BSP female)	part number	
1"	13782502	4
1¼"	13783202	4
1½"	13784002	4
2"	13785002	2
3"	13788002	2
4"	137810002	2



FINE MESH STRAINER C/W MALE BSP

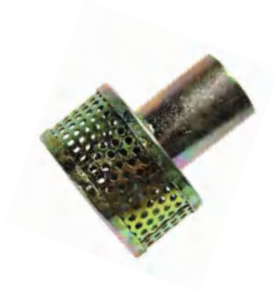
fine mesh strainer c/w male BSP	stainless steel	units per pack
(BSP male)	part number	
½"	13771304	6
¾"	13771904	6
1"	13772504	6
1¼"	13773204	6
1½"	13774004	4
2"	13775004	4
3"	13778004	2
4"	137710004	2



PIPE FITTINGS

STRAINERS

Available individually, or in packs.



STRAINER C/W HOSE TAIL

strainer c/w hose tail	tin	units per pack
(hose i.d. (nom. bore))	part number	
25mm (1")	13602504	4
32mm (1¼")	13603204	4
38mm (1½")	13604004	4
50mm (2")	13605004	4
75mm (3")	13608004	4
100mm (4")	13601004	4



STRAINER C/W FEMALE BSP

strainer c/w female bsp	tin	units per pack
(BSP female)	part number	
50mm (2")	13665004	4
75mm (3")	13668004	4
100mm (4")	136610004	4



TRASH STRAINER (20MM SOLIDS) C/W HOSE TAIL

trash strainer (20mm solids) c/w hose tail	tin	units per pack
(hose i.d. (nom. bore))	part number	
50mm (2")	13615004	4
75mm (3")	13618004	4



STRAINER C/W HOSE TAIL

strainer	nylon	units per pack
(hose i.d. (nom bore))	part number	
25mm (1")	136025000	1



STRAINER C/W HOSE TAIL

strainer	PVC	units per pack
(hose i.d. (nom bore))	part number	
75mm (3")	13608000	1



Available individually, or in packs.

PIPE FITTINGS
CLIPS AND CLAMPS

HOSE CLIP

hose clip	stainless steel	units per pack
(span)	part number	
8-12mm	139101	10
10-16mm	139102	10
12-20mm	139103	10
16-27mm	139104	10
20-32mm	139105	10
25-40mm	139106	10
32-50mm	139107	10
40-60mm	139108	10
50-70mm	139109	10
60-80mm	139110	10
70-90mm	139111	10
80-100mm	139112	10
90-110mm	139113	10
100-120mm	139114	10
110-130mm	139115	10
120-140mm	139116	10
140-160mm	139117	10
150-170mm	139118	10
160-180mm	139119	10
190-210mm	139120	10



HOSE CLAMP (NOMINAL HOSE SIZE & TYPE)

hose clamp (nominal hose size & type)	stainless steel	units per pack
(span)	part number	
26-29mm (25mm layflat)	139226	10
29-31mm (25mm suction)	139225	10
40-43mm (40mm layflat)	139241	10
44-47mm (40mm suction)	139240	10
52-55mm (50mm layflat)	139251	10
56-59mm (50mm suction)	139250	10
80-85mm (80mm layflat & suction)	139280	10
98-103mm (100mm layflat)	1392101	10
104-112mm (100mm suction)	1392100	10
149-161mm (150mm layflat)	1392150	10
162-174mm (150mm suction & special)	1392151	10



PVC PIPE & FITTINGS

PVC PRESSURE PIPE



PRESSURE PIPE

Pressure pipe, plain end, grey	PVC-U	units
(Imperial size x wall thickness (mm) BS3505 x length)	part number	
1" x 2.2mm Class E-PN 15 x 3 metres	14-038	1
1¼" x 2.2mm Class D-PN12 3 metres	14-039	1
1½" x 3.1mm Class E-PN 3 metres	14-040	1
2" x 3.1mm Class D-PN12 3 metres	14-041	1
3" x 4.6mm Class D-PN12 3 metres	14-042	1



SOCKET

socket, 10 bar, grey	PVC-U	units
(imperial glue socket x imperial glue socket)	part number	
1" x 1"	14-046	1
1¼" x 1¼"	14-047	1
1½" x 1½"	14-048	1
2" x 2"	14-049	1
3" x 3"	14-050	1



NIPPLE

nipple, 10 bar, grey	PVC-U	units
(BSP male x BSP male)	part number	
1" x 1"	14-001	1
1¼" x 1¼"	14-002	1
1½" x 1½"	14-003	1
2" x 2"	14-004	1
2½" x 2½"	14-005	1
3" x 3"	14-006	1



ADAPTOR SOCKET

Adaptor spigot, 10 bar, grey	PVC-U	units
(imperial glue socket x BSP male)	part number	
1" x 1"	14-010	1
1¼" x 1¼"	14-011	1
1½" x 1½"	14-012	1
2" x 2"	14-013	1
3" x 3"	14-014	1



PVC PIPE & FITTINGS

PVC PRESSURE PIPE

ADAPTOR SPIGOT

Adaptor spigot, 10 bar, grey	PVC-U	units
(imperial glue spigot x BSP male)	part number	
1" x 1"	14-033	1
1¼" x 1¼"	14-034	1
1½" x 1½"	14-035	1
2" x 2"	14-036	1
3" x 3"	14-037	1



ADAPTOR SPIGOT

Adaptor spigot, 10 bar, grey	PVC-U	units
(imperial glue spigot x BSP female)	part number	
1¼" x 1¼"	14-015	1
1½" x 1½"	14-016	1
2" x 2"	14-017	1



ELBOW

Elbow 90°, 16 bar, grey	PVC-U	units
(imperial glue socket x imperial glue socket)	part number	
1" x 1"	14-023	1
1¼" x 1¼"	14-024	1
1½" x 1½"	14-025	1
2" x 2"	14-026	1
3" x 3"	14-027	1



T-PIECE

T-piece 90°, 16 bar, grey	PVC-U	units
(imperial glue socket x imperial glue socket x imperial glue socket)	part number	
1" x 1" x 1"	14-028	1
1¼" x 1¼" x 1¼"	14-029	1
1½" x 1½" x 1½"	14-030	1
2" x 2" x 2"	14-031	1
3" x 3" x 3"	14-032	1



PVC PIPE FITTINGS

PVC PRESSURE PIPE



UNION COUPLER

Union coupler, 10 - 16 bar, grey	PVC-U	units
(imperial glue socket x imperial glue socket)	part number	
1" x 1" (16 bar)	14-018	1
1¼" x 1¼" (16 bar)	14-019	1
1½" x 1½" (16 bar)	14-020	1
2" x 2" (16 bar)	14-021	1
3" x 3" (10 bar)	14-022	1



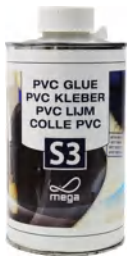
SERVICE SADDLE

Service saddle, 10bar, black (s/steel ring, NBR seal)	PVC-U	units
(pipe diameter x clamp, female thread)	part number	
110 mm x 1¼"	14-007	1
110 mm x 1½"	14-008	1
110 mm x 2"	14-009	1
110 mm x 3"	14-051	1



CARBON CHARCOAL FILTER

Venting waste water & sewage systems	activated carbon	units
minimum 2" pipework & 3" pipework	part number	
microvent	MV1	1



PVC GLUE

service saddle, 10bar, black (s/steel ring, nbr seal)	solvent	units
(pipe diameter x clamp, female thread)	part number	
mega PVC glue 1 ltr with brush type S3	14-043	1



MANIFOLD KITS

PVC PRESSURE PIPE

MANIFOLD KITS

Manifold kit (Free standing)	Gate valve (brass) x 1, Adaptor spigot x 7, T-piece x 1, Elbow x 2, NRV-swing check (brass) x 2, Union coupler x 2, Hose tail c/w FBSP swivel x 2, Pressure pipe (3mtrs) x 1, PVC glue x 1	
size	part number	units
1¼"	14-320	1
1½"	14-380	1
2"	14-500	1
3"	14-750	1



Manifold kit (Guide-rail)	Gate valve (brass) x 1, Adaptor spigot x 7, T-piece x 1, Elbow x 2, NRV-swing check (brass) x 2, Union coupler x 2, Socket x 2, Pressure pipe (3mtrs) x 1, PVC glue x 1	
size	part number	units
1¼"	14-321	1
1½"	14-381	1
2"	14-501	1
3"	14-751	1



WAREHOUSES

From its formation in 1972, Obart began trading from the modest premises of a portable office and a yard in South London. From there, throughout the 1970s and in the 1980s, Obart moved to various other locations within London while it was part of Campbell-Gray Plant Hire Limited, sharing space that was available. As the company grew and became more successful it needed more space for stock, so the decision was taken in 1990 to move out to Kent, into a dedicated warehouse in Marden, near Tonbridge. The extra space was the catalyst for further growth as the warehouse was gradually outgrown and Obart moved to Maidstone into the current location at Allington, after a 5 year spell in nearby Penenden Heath.



PECKHAM, LONDON
1972 - 1973



BECKENHAM, LONDON
1987 - 1988



DULWICH, LONDON
1988 - 1990



MARDEN, KENT
1990 - 2003



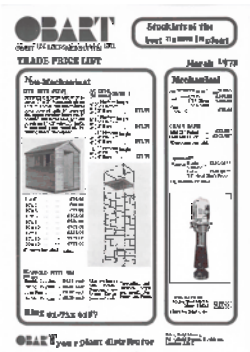
MAIDSTONE, KENT
2003 - 2008



MAIDSTONE, KENT
2008 - today

CATALOGUES AND PRICE LISTS

In the 1970s there were no catalogues but merely one page price lists, when Obart sold building materials, construction equipment and tools. The sale of building materials was dropped from the range when Tsurumi pumps were introduced. For most of the 1980s, Obart was a construction equipment sales company, selling to the tool and plant hire industry and construction companies. During the early 1990s, construction equipment sales ended in favour of Tsurumi water pumps and associated accessories. From here the first price list of 12 pages grew into the current catalogue of over 190 pages, as new products were added. From initially just selling Tsurumi products, Obart have added Honda, Speroni, APP, Umbra and its own lines of Fit & Flow hoses and DryMax diaphragm pumps.



1973



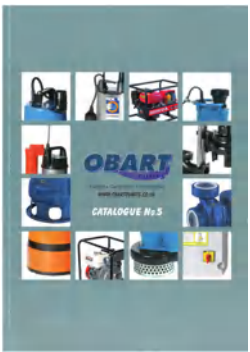
1987



1992



1999



2006

OBART MANAGING DIRECTORS



Herberto 'Jack' Hill, 1972 - 1974

Founder of Obart in 1972 as a subsidiary of his company HC Hill Ltd, it was set up as builders merchants. Prior to this, his first business was buying and selling bomb damaged material and equipment after World War 2, which was also the first company to import and sell coloured ceramic roof tiles from Belgium. HC Hill Ltd went on to become manufacturers of scaffolding and suppliers of non-mechanical equipment.



John Hill, 1974 - 1991

Acquired Campbell-Gray Plant Hire Ltd and Obart from his father, which were subsidiaries of HC Hill Ltd. He "discovered" Tsurumi pumps in 1974 at the American Rental Show and Campbell-Gray was the first company in the UK to rent out hand portable 110v submersible pumps. He went on to sell these new and innovative pumps to other hire companies through Obart, which was one of Tsurumi's first European customers and UK agents. Campbell-Gray was the first hire company to rent out Bosch breakers(11304), gas wallpaper strippers, channel cutters, orbital floor sanders and mobile toilets.



Matthew Hill, 1991 - present

Acquired Obart from his father when it was a construction equipment sales company and turned it in to a pump company. He had been the national sales manager since 1986, but soon after the acquisition he discarded the less profitable lines to focus on Tsurumi submersible and engine driven pumps. Demand grew significantly for Tsurumi pumps from the UK hire industry, but also for pumps for other applications, so he imported pumps from Hung Pumps (APP) of Taiwan and Speroni of Italy and created the own brands of Fit & Flow and DryMax. From just supplying the hire industry, Obart now supply the UK water industry and the markets of basement waterproofing and tunnelling.

Copyright

The technical data and characteristics stated in this catalogue are not binding. Obart Pumps Ltd reserves the right to make modifications without notice. Weights, dimensions, performances, operating conditions and fluids, applications and pictures are for guidance only.

For confirmation of technical information visit www.obartpumps.co.uk for data.

All rights reserved by Obart Pumps Ltd. Any form of utilization, including reproduction and storage, by any means (electronic, mechanical, photocopying, including internet), both permanent or temporary, of the whole document or in part (literary and/or photographic and/or graphic) are prohibited. All copy, tables, images, Obart Pumps' logos, designs used in this catalogue remain the intellectual property of Obart Pumps Ltd and may not be reproduced without the written permission of the Directors of Obart Pumps Ltd. Any party who exploits this property may be subject to prosecution.

© Obart Pumps Ltd, 2022

Warranty

In the unlikely event that you need to claim warranty for a product's failure, please see our terms and conditions available on request, or visit our website.
<https://www.obartpumps.co.uk/policies/terms-of-service>

