

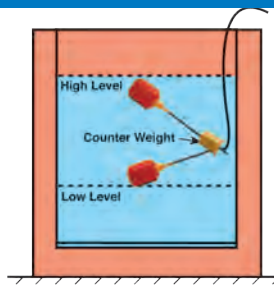


LEVEL CONTROL & PUMPS

2

Our Level Control Products ensure precise fluid level monitoring, while our pumps deliver efficient performance across diverse applications. Whether you aim to enhance efficiency, safety, or process automation, our advanced technologies and innovative designs guarantee reliability and precision.

FLOAT SWITCHES



Typical Application showing use of 1 **B-01** float switch to start and stop pump. One **B-01** Float Switch can be used for both high and low levels.

Micro Switch Float Switches



Accessories



ESP

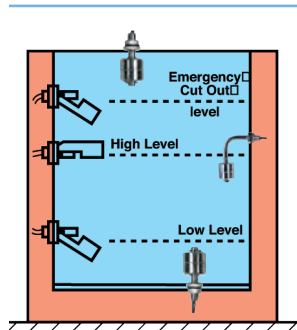
Not for use with Mercury Float Switches

MAG-W

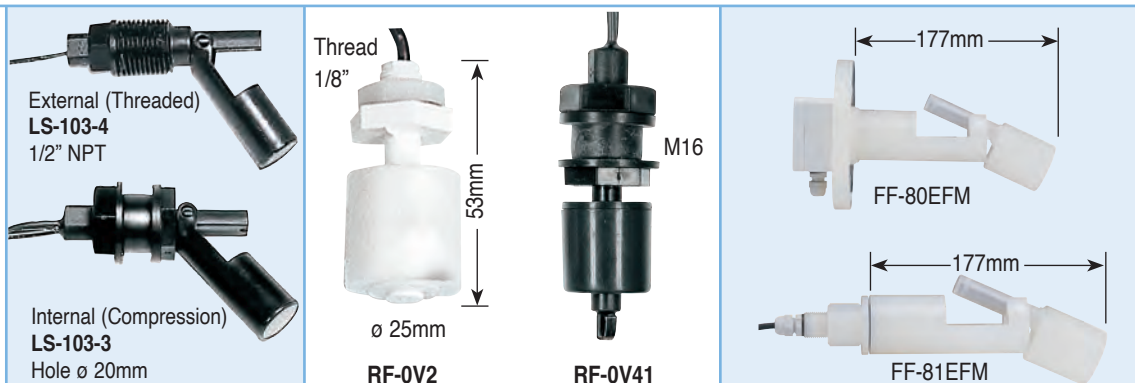
1.5kg weight to hold **MAG** Float. Switches down in tanks.

Code	B-01/5	B-01/10	MAG-*	FLO-1	FLO-2	
Length of Cable	5meters	10meters	*Add 05, 10, 15, 20 meters	3 meters	3 meters	
Weight Supplied	✓	✓	✓	✓	✓	
Switching Voltage Max.	240VAC/200VDC		250VAC	250VAC	250VAC	Strain relief for Float Switches
Switching Current Max. (A)	4A		4A	4A	4A	
Carry Current Max. (A)	15A		6A	8A	8A	ESP
Switch Type	Micro C/O		Micro NO+NC	Micro C/O	Micro C/O	
Operating Temperature	0°C to 60°C		-20°C to 50°C	-30°C to 80°C	-30°C to 80°C	CA-8135 Cable Guard
Material	Polypropylene/Cable/P.V.C.		Moplen/PVC	Polypropylene/PVC	Polypropylene/PVC	
Resistance to	Water & weak Acids		Water & weak Acids	Water & weak Acids	Water & weak Acids	CA-8136 Flange

Plastic Reed Float Switches - Not suitable for use in Diesel or Petrol

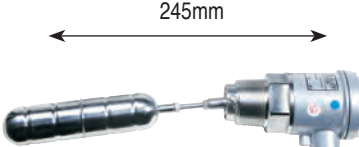
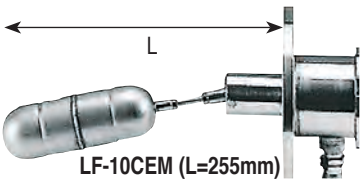
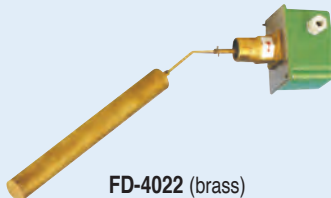
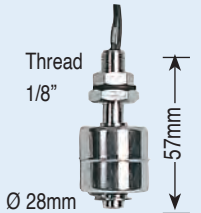


TYPICAL APPLICATION



Code	Internal LS-103-3	External LS-103-4	RF-0V2	RF-0V41	FF-80EFM	FF-81EFM
Mounting	Compression				Flange	M20
Thread Size	M16	1/2" NPT	1/8" PF	M16	2" x 5kg/cm ²	Connection Screw
Length Lead Wire	300mm		300mm		300mm	
Switching Voltage Max.	240VAC/200VDC		240VAC/200VDC		240VAC/200VDC	
Switching Current Max. (A)	0,5A		0,5A		0,5A	
Carry Current Max. (A)	1A		1A		1A	
Switch Type	Reed Switch NO		Reed Switch NO		Reed Switch NO	
Max. Pressure (kg/cm ²)	4		1	4	10	
Operating Temperature	-20°C to 80°C		-20°C to 80°C		-10°C to 80°C	
Material	Polypropylene (PP)		Polypropylene (PP)		Polypropylene (PP)	
Suitable Specific Gravity	0,7 g/cm ³		0,7 g/cm ³		0,6 g/cm ³	
Resistance to:	Water, Acids & Oils		Water, Acids & Oils		Corrosive liquids, i.e. Acids, Seawater etc	

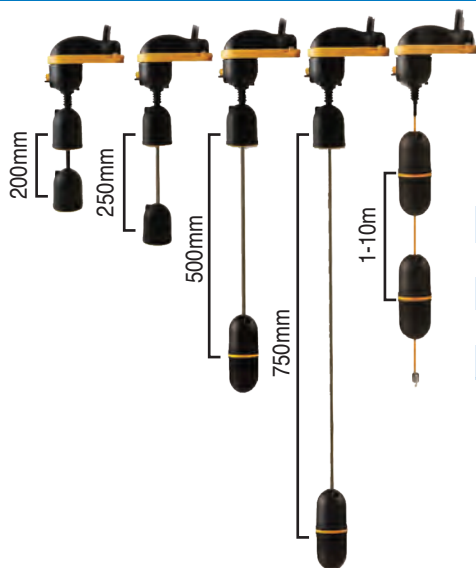
STAINLESS STEEL FLOAT SWITCHES IP65

	Side Mount - RF-3002D						
	Top or bottom mount - RF-3001						
			LF-10CEM (L=255mm)	LF-10CEQ	FF-70SSS (L=230mm)		
Code	Top/Bottom	Side Mount	LF-10CEM	LF-10CEQ	FF-70SSS	FD-MH16A	FD-4022
	RF-3001	RF-3002D					
Mounting	1/8" PF	1/8" PF	Flange	1 1/2" PT	Exd IIC T5	1/2" PT Adaptor	1"
Thread Size	1/8" PF	1/8" PF	DN40/1 1/2"		DN40/1 1/2"		
Length of Cable	300mm		-		-	300mm	-
Switching Voltage Max.	240VAC/200VDC		250VAC		250VAC	250VAC	250VAC
Switching Current Max.(A)	0,5A		-		-	0.5A	5A
Carry Current Max.(A)	1A		5A		3A	1A	16A
Switch Type	Reed Switch NO or NC		Mirco Switch 1C/O			Reed Switch NO	Micro Switch C/O
Max. Pressure	8.5 Bar		14.7 Bar			4.2 Bar	10 Bar
Operating Temperature	-20°C to 120°C		-25 to 100°C		-20 to 100°C	-10 to 120°C	-10 to 120°C
Material	304 Stainless Steel		Aluminium/SS304		SS316/SS304	304 Stainless Steel	Brass
Suitable Specific Gravity	0.75 S.G.		0.65 S.G		0,7 SG	0,8 S.G.	0,8 S.G.
Resistance to:	Water & Liquids		Water, Acids & Oils			Seawater, Corrosive Liq.	Non-Aggressive Liq.

LEVEL PROBES & SENSORS

More Float Switches		Probe Assemblies		Probe Components		Conductive Probe Kits IP65	
 RF-OV61 1 x Reed		 APS-3C APS-5C		 PS-5S APS-3 AF-12 PF-101 PF-102 PF-103 PF-104 PF-101P		 RHE Coated CP1/C CP2/C CP3/C Uncoated CP1 CP2 CP3 • Material: Nylon • Thread: 1.5" BSP • Max Temp: 70°C Accessories Code Description CP1/CX 1-Way Head only CP2/CX 2-Way Head only CP3/CX 3-Way Head only DD2 2-Way Probe Spacer DD3 3-Way Probe Spacer EP1/C Spare 1m s/s Rod coated EP1/U Spare uncoated s/s Rod 1m EP1/EXT M4 Connecting Nut Brass Coating of the rods improves resistance, prevents switching caused by frothing or condensation.	
RF-OV61	RF-PV2	APS-3C 3-way	APS-5C 5-way	Code	Description		
• Thread Size: 1/8" PF	• Output Reed Switch @ 1A 250VAC	• 3 or 5-way holder	• Steel locking ring	APS-3	3 Probe holder only (6 mm thread)		
• Switching 1x Reed Switch NO	• Switching 2x Reed Switches Top: NO Bottom: NC	• 3 or 5 x 1m 204 S/S probes	• Suitable for use with all liquid level relays e.g. TE101 – APS-3C, DLR – APS-5C	PS-5S	5 Probe holder only		
• Max Pressure: 4kg/cm²		• Max temperature: 100°C	• Cut Probes to suit application	AF-12	Steel locking ring for holders - 115mmØ		
• Material: Polypropylene (PP)				PF-101	3 Probe Spacers (porcelain)		
• Specific Gravity: 0.7 S.G.				PF-101P	3 Probe Spacers (plastic)		
• -20 to 80°C				PF-105	5 Probe Spacers (porcelain)		
				PF-102	Connecting nut (304 stainless steel)		
				PF-104	Tank probe		
				PF-103	1m 304 stainless steel rod 6mmØ		

FLOAT LEVEL SWITCHES



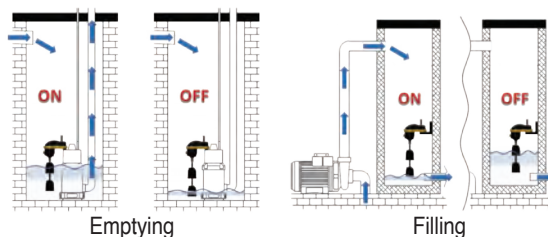
Mouse Vertical Level Switches - IP68

Vertical Level regulator for narrow spaces where conventional float switches do not have enough room to operate. High and low float levels are adjustable. Suitable for use in clean water, rain water, industrial water systems and systems with water containing chemical substances.

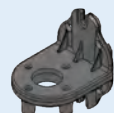
Code	Shaft Length	Min/Max Adj Range	Shaft Material
MOU00-DF-2M	200mm	50 - 110mm	PET
MOU25-DF-2M	250mm	50 - 170mm	AISI316
MOU50-DF-2M	500mm	50 - 420mm	AISI316
MOU75-DF-2M	750mm	60 - 650mm	AISI316
MOU100-DF-2M	10m*	1m - 10m	Polyester

- Manual / Auto operation
- Housing: Polypropylene
- Max Temp: 60°C (140°F)
- Contact rating: 1C/O 8A @ 230VAC
- Max depth: 15m
- Supplied with 2m cable

* 10m Type: Only for use in Clean Water



TE-2047



TE-2046



TE-2048



TE-2049

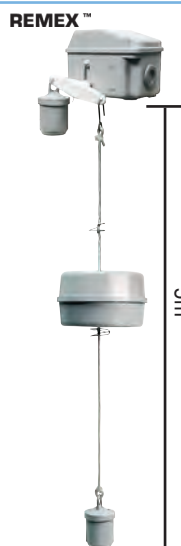
Accessories

Code	Description
TE-2046	Wall/Tube mounting plastic bracket
TE-2047	AISI304 stainless steel mounting bracket
TE-2048	Flanged Support Bracket
TE-2049	Threaded support bracket (2" Gas)

Mercury Float Switches



ESP



30mm Ø
Ideal for
autoclaves



MER30/GP
1 1/4" male gland
plug for use with
MER30/5



Code	UKV70-AB	REMEX-P	MER30/5	MER-*
Length of Cable	No cable	No cable	5 meters	*Add 05, 10, 15, 20 meters
Weight Supplied	✓	✓	N/A	N/A
Switching Voltage Max.	230VAC	440VAC/200VDC	250V	0-230VAC/DC
Switching Current Max. (A)	4A	5A	5A	1A
Carry Current Max. (A)	7.5A	10A	—	1A
Switch Type	Mercury NO	Mercury NO	Mercury NO	Mercury C/O
Operating Temperature	5°C to 60°C	-20°C to 70°C	-20°C to 60°C/8 bar	-40°C to 80°C
Material	ABS	ABS	Moplen	ABS/PVC
Resistance to	Water & weak Acids	Water & weak Acids	Water & weak Acids	Water & weak Acids

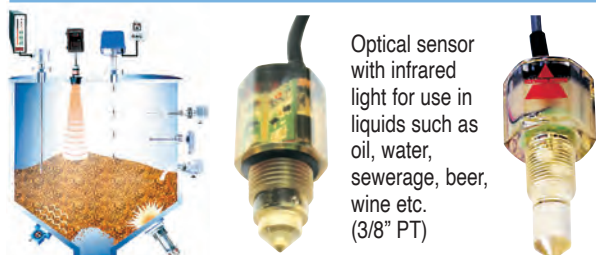
PROBE & ROTARY LEVEL SWITCHES

Optical Level Sensor IP68

Capacitive Level Sensors for Solids

Vibration Probe Switch

Rotary Paddle Switch



Optical sensor with infrared light for use in liquids such as oil, water, sewerage, beer, wine etc. (3/8" PT)

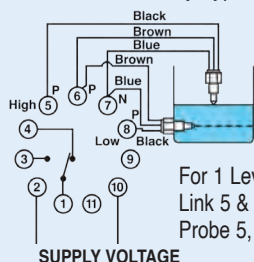


Capacitive level sensor for solid, fluid or granulated substances.

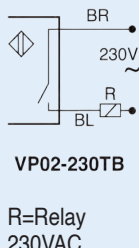
32mm Ø

Code	SD10G-ARN1 (NPN NO) SD10G-ARP1 (PNP NO)	VP02-230TB Un-modulated	VR1A 8mm Sensing	VR1B 15mm Sensing
Length of cable	2 meters		5 meters (PVC)	
Switching Voltage	10-28VDC (NPN, NO)		20-30VDC (1kΩ)	
Operating Temperature	-20°C to 80°C		0°C to 70°C	
Material	Polysulphone		Polyester	
Switching Current Max (A)	DC: 100mA		10A @ 250VAC	
Max ambient light	5000 lux		For use with amplifier Relay Type CLR2 pg 1.9	

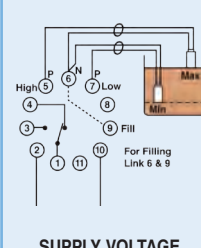
DC Units for use with Relay Type CLR1 pg 1.9



For 1 Level Control only
Link 5 & 8
Probe 5, 6, 7



VP02-230TB
R=Relay
230VAC



SUPPLY VOLTAGE



SC1110

- Mounting Thread 1"
- Probe Material S/S 304
- Housing Alu. IP65
- Output: 5A @ 250V 1C/O
- Supply: 0-110-230VAC
- Vibrating Frequency: 360-370Hz
- Operating Temp.: -10 to 80°C
- Material Density: 0.32g/cm²

For use in:
Milk Powder, Cement, Fertilizer, Granulated products, etc.



RP10C

RP80C

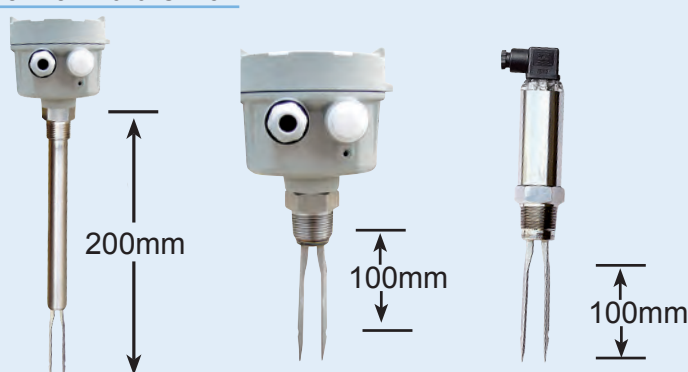
Code	RP10C	RP80C
Mounting Thread Size	1"PF	¾"PF
Torque	0.5 -1kg	Adjustable
Gravity	>0.50 S.G	<0.3 S.G
Contact Type	Micro Switch 1C/O	
Contact Rating	5A	5A
Operating Temp	-10 - 60°C	-40 - 85°C
Housing Material	Aluminium IP65	

Spare Paddle Code RP10-PADDLE RP80-PADDLE

TUNING FORK LEVEL SWITCH IP65

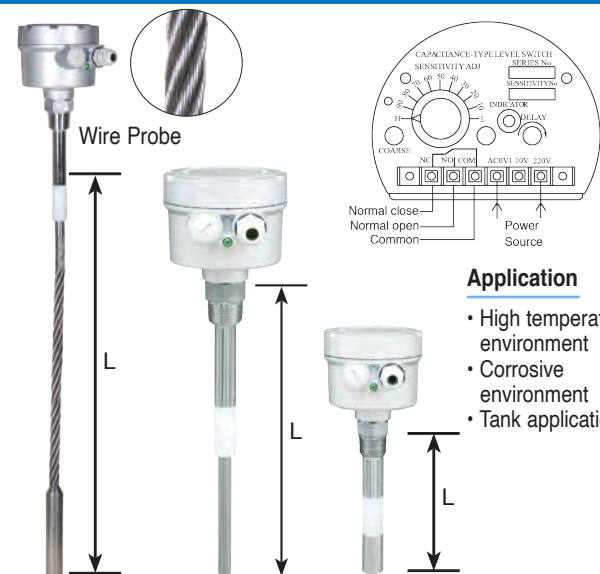
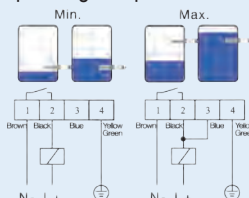
CAPACITIVE LEVEL SWITCH IP65

Vibration Fork Level Switch



Code	SC1420-R	SC1400-R	SC2406-D
• Mounting Thread 1" PT			
• Probe Material 316			
• Housing Alu. IP65			
• Output: SPDT 5A 250VAC/28VDC			
• Supply Voltage: 20-250VAC, 50/60Hz VAC/DC			
• Vibrating Frequency 350~370Hz			
• Operating Temp in Bin: -40~130C			
• Material Density: >0.07 g/cm ³			
• Fail Safe Protection			

- Output: 2Wire 3mA
- Supply Voltage: 20-250VAC, 50Hz
- 2 Wire electronic switch
- Fork Length: 100m
- Operating Temperature: -40~60°C



Wire Probe

SA150A
L = 1m

SA111A-DQ-250
L = 250mm

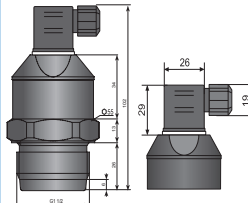
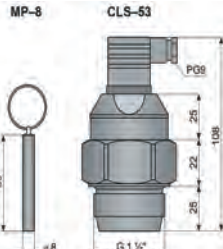
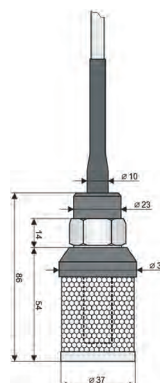
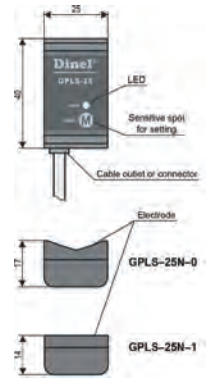
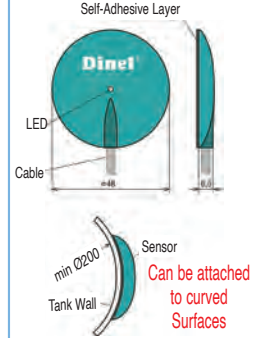
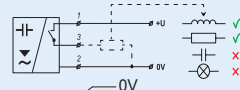
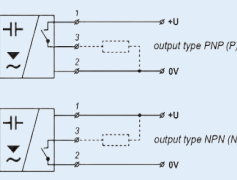
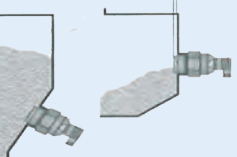
SA110A-DQ-150
L = 150mm

- Mounting Thread 1"PT
- Probe Material Stainless Steel 304
- Housing Alu. IP65
- Output: 5A @ 250V, Relay
- Supply Voltage 110/230VAC 50/60Hz
- Sensitivity Range 10pf,STD
- Operating Temp in Bin: -20°C - 60°C
- Operating Pressure: 20kg/cm³

Application

- High temperature environment
- Corrosive environment
- Tank application

LIMIT LEVEL SENSORS

	Capacitive Level Switch	Submersible Level Switch	Thru Wall Level Switch	Flexible Level Switch	
	NEW For detection of bulk solid, fragmental and extruded materials 	WHILE STOCKS LAST For detection of bulk solid, fragmental and extruded materials 	For level detection of water in wells, boreholes, reservoirs and tanks 	For liquids limit level sensing on non-conductive (glass or plastic) guage pipes, tubes and tank walls 	For limit level sensing of liquids in non-conductive plastic and glass vessels 
Code	RFLS-53N-1-*G	CLS-53N-*	CLS-23S-11-D-S*	GPLS-25N-*A-S	FLD-48N
Mounting	G1½" Threaded	G1½" Threaded	Suspended by Cable	*0 - Tube Mounting Ø15-50mm *1 - Flat Surface	Surface-Self Adhesive
Supply Voltage	P: 7-34VDC RE: 95-230VAC SSR: 95-230VAC	7-36VDC (P/N Version)	6-30VDC	6-30VDC	6-30VDC
Output Type	* Add Output Type to Code P: Open Collector PNP output RE: NO Contact SSR: Solid State relay	* Add Output Type to code: P: PNP; N: NPN	* Add Output Type to code: O: NO (Low Level) C: NC (High Level)	NO or NC Programmable	NO or NC Programmable
Switching Current	P: 0.3A RE: 1A @250VAC SSR: @250VAC	0.3A (SAC) 0.2A (P/N)	40mA Max (To switch miniature relay only)	40mA Max (To switch miniature relay only)	40mA Max (To switch miniature relay only)
Settings	Simple sensitivity setting by means of magnetic pen (incl)	Simple sensitivity setting by means of magnetic pen (incl)	-	Simple sensitivity setting by means of magnetic pen (incl)	Configuration and adjustment by third programming wire (incl)
Ambient Temperature	-20 to + 60°C	-20° to 60°C	-20° to 70°C	20° to 80°C	-10° to 60°C
Protection	IP65	IP65	IP68	IP67	IP67
Housing Material	PP and PVC-U	Polypropylene	Plastic Polypropylene	Plastic Polypropylene	Polyurethane
Cable	Un-wired connector socket	Un-wired connector socket	PVC 2 x 0.75mm x 2m	PVC 2 x 0.34mm x 3m	PUR 3 x 0.14mm x 3m
Dimensions					
Wiring Diagrams & Application	RFLS-53N-1-P-G  output Top view of the connector RFLS-53N-1-RE-G RFLS-53N-1-SSR-G fuse max. 6A  output Top view of the connector	2-Wire Connection Scheme CLS-53N-SAC  output type PNP (P) output type NPN (N) 3-Wire Connection Scheme CLS-53N-P(N) 	 Low Level CLS-23S-11-D-SO Closed  CLS-23S-11-D-SO Open  High Level CLS-23S-11-D-SC Closed  CLS-23S-11-D-SC Open Above configurations suggested for fail safe operation	 Applies to: GPLS-25N-0 Straps Included  Applies to: GPLS-25N-1 Self-Adhesive Max Wall Thickness: Conductive Liquids: 8mm Non-Conductive Liquids: 3mm	

ANALOGUE ULTRASONIC LEVEL DETECTION

For continuous no-contact level measurement of various liquid and bulk solid materials in closed or open vessels, sumps, reservoirs etc.



Output Type	Sensing Distance			
	0,2 - 2m	0,25 - 6m	0,4 - 10m	0,5 - 20m

Factory Set Non-Adjustable Output Type **IP68** c/w 5m Cable

4 - 20mA (2-Wire)	ULM-53L-02-I	ULM-53L-06-I	ULM-53L-10-I	ULM-53L-20-I
0 - 10V (3-Wire)	ULM-53L-02-U	ULM-53L-06-U	ULM-53L-10-U	ULM-53L-20-U
Modbus RS-485 Output	ULM-53L-02-M	ULM-53L-06-M	ULM-53L-10-M	ULM-53L-20-M

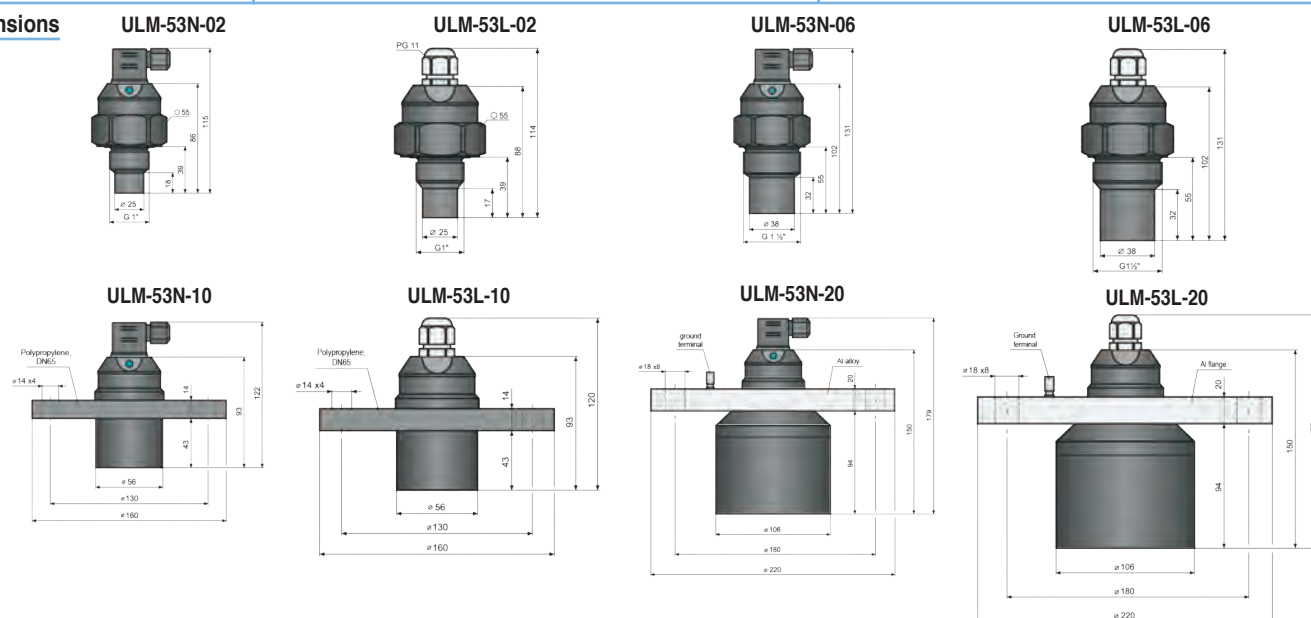
Field Adjustable Output Type **IP67** c/w Connector Socket

4 - 20mA (2-Wire)	ULM-53N-02-I	ULM-53N-06-I	ULM-53N-10-I	ULM-53N-20-I
0 - 10V (3-Wire)	ULM-53N-02-U	ULM-53N-06-U	ULM-53N-10-U	ULM-53N-20-U

Explosionproof Field Adjustable Type - Must be used with **IRU-420** (Below) c/w Connector Socket

4 - 20mA (2-Wire)	ULM-53XI-02-I	ULM-53XI-06-I	ULM-53XI-10-I	ULM-53XI-20-I
EX Rating 	Suitable for explosive areas (combustible gases or vapours) II 1/2G Ex ia IIB T5 Ga/Gb with isolating repeater (IRU-420) the whole level meter – zone 1, front head part – zone 0	Suitable for explosive areas (combustible gases or vapours) II 1/2G Ex ia IIB T5 Ga/Gb with isolating repeater (IRU-420) the whole level meter – zone 1, front head part – zone 0	Suitable for explosive areas (combustible gases or vapours) II 1/2G Ex ia IIA T5 Ga/Gb with isolating repeater (IRU-420) the whole level meter – zone 1, front head part – zone 0	Suitable for explosive areas (combustible gases or vapours) II 2G Ex ia IIA T5 Gb with isolating repeater (IRU-420) the whole level meter – zone 1
FLP				
Mounting Type	G1"	G1½"	Polypropylene	Aluminium Alloy Flange
Supply Voltage	18 - 36VDC (18 - 30VDC For XI Versions)			
Accuracy	0.20%			
Ambient Temperature	-30° to 70°C		-30° to 60°C	

Dimensions



Isolating Repeater - for use with ULM-53XDI

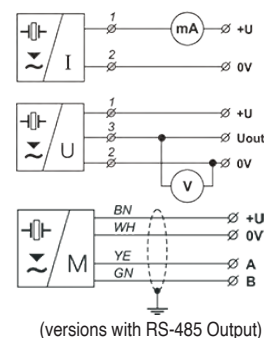
Code	IRU-420-I*	IRU-420-H*	IRU-420-U*
Input Signal	0/4 - 20mA	4 - 20mA	4 - 20mA
Output Signal	0/4 - 20mA	4 - 20mA	0 - 10V
Bi-directional Trans			
Communication signal	NO	YES	NO
HART™			

*Add Voltage to Code: **24V** (18-30VAC/18-40VDC) **230V** (60-230VAC/85-230VDC)

 II(1)G[EEEx ia] IIB /IIC

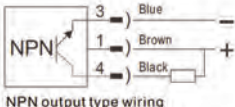
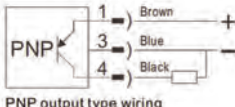
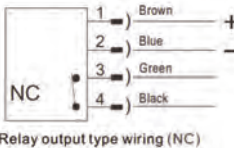
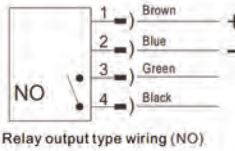
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Wiring Diagrams



(versions with RS-485 Output)

THERMAL DISPERSION FLOW SWITCHES

Type	Compact Model	High Temp Model	Economy Model
- Measures the velocity of liquid inside a pipe or channel - High sensitivity and accuracy - Can be calibrated for liquids with different density and purity - Pmax: 100 Bar			WHILE STOCKS LAST 
Code	SP200-0-BU-*2	SP202-L-BU-*2	SP220-0-BU-*2
Output Type: *Add to Code:	N: NPN Open Collector (400mA Max) P: PNP Open Collector (400mA Max) A: NO (1A@30VDC) B: NC (1A@30VDC)	N: NPN Open Collector (400mA Max) P: PNP Open Collector (400mA Max) A: NO (1A@30VDC) B: NC (1A@30VDC)	N: NPN Open Collector (400mA Max)
Connection Thread	½" NPT	½" NPT	½" NPT
Measuring Range	Water: 1 - 150 cm/s / Oil: 3-300 cm/s	Water: 1 - 150 cm/s / Oil: 3-300 cm/s	Water: 1 - 150 cm/s / Oil: 3-300 cm/s
Operating Voltage	19-30VDC	19-30VDC	19-30VDC
Operating Temperature	-20° to 80°C	-20° to 120°C	-20° to 80°C
Protection Degree	IP67	IP67	IP65
Housing Material	SUS304	SUS316L	SUS304/Plastic
Connection Type	4-Pole M12 Connector (c/w 2m Cable)	4-Pole M12 Connector (c/w 2m Cable)	4-Pole M12 Connector (c/w 2m Cable)
LED Indication	 Wiring Diagrams    		
	3 Wire		4 Wire

FLOW SWITCHES FOR WATER & AIR

Flow Switches for Water		Flow Switch for Air	Bargraph Panel Meter		
Paddle: 140 x 25mm 		Paddle: 175 x 80mm 	48 x 144 Bezel 		
FS-80	FS-2533	AS-2614	PM5022R3	PB-1471	1B94M-B
- Housing Material: Aluminium (IP65) - Paddle Material: 304 S/S - Switch: SPDT, 60W @ 230VAC - Operating temperature: -30 to 150 °C - Operating Max Pressure: 355 PSI - Pressure drop allowance: 3 PSI - Set point tolerance: ±25% - Repeatability difference: ±5% - Connecting: 1" PT screw - Weight: 850g - Spare Paddle: FS-80 PADDLE	3 Different Paddle lengths, 57, 88 & 167mm - Housing material: ABS (IP64) - Paddle material: 304 S/S - Switch: SPDT, 16A@230VAC - Connecting: 1" PT screw Brass - Operating temperature: -20 to 120 °C - Operating pressure Max: 10kg/cm² - Set point tolerance: ±25% - Repeatability difference: ±5% - For piping 1" to 8" - Adjustable setting - Weight: 660g - Spare Paddle: FS-2533 PADDLE	- Housing material: ABS (IP64) with steelbase - Paddle material: Tinned S/S - Brass Lever - Switch: SPDT, 16A@230VAC - Operating Temperature: -20 to 80 °C - Min cut-in value 2m/sec - Min cut-out value 1m/sec - Weight: 400g - Spare Paddle: AS-PADDLE	Input 4 - 20mA Output 4 - 20mA 4 point alarm (HH, H, L, LL) relay outputs (5A/250VAC) - Scaling function: (0 - 1099) - Alarm Delay: On/Off 0 - 3sec adjustment - Under/over range indication - Accuracy 0.1% - Built in 24VDC/50mA sensor supply - See page 2.6 & 15.53 for Level Sensors	Input 0 - 10V - Input: 4 - 20mA - Display: 0 - 100% - Accuracy: 1% - Response Time: <500mS - Size: 96 x 24mm - Cutout: 92 x 23mm - Complete with 230/24VDC power supply - See page 2.6 & 15.53 for Level Sensors	- Input: 4 - 20mA - Display: 0 - 100% - Accuracy: 1% - Response Time: <500mS - Size: 96 x 24mm - Cutout: 92 x 23mm - Complete with 230/24VDC power supply - See page 2.6 & 15.53 for Level Sensors

PUMP ACCESSORIES

To be used with
PS-02A 2.8
pressure switch



TNK24/50

TNK24H-SS

Hydrospheres - Max.Working Pressure: 8 Bar | Bursting Pressure: 25 Bar

Code	Description	Spare Bladders
TNK24	24ℓ Vertical Pump Mounting	BLA24
TNK24H	24ℓ Horizontal Free Standing	BLA24H
TNK24H-SS	24ℓ Stainless Steel Horizontal Free Standing	BLA24H
TNK50	50ℓ Vertical Free Standing	BLA50
TNK50H	50ℓ Horizontal Free Standing	BLA50H
TNK100	100ℓ Vertical Free Standing	BLA100
TNK200	200ℓ Vertical Free Standing	BLA200
TNK300	300ℓ Vertical Free Standing	BLA300
TNK500	500ℓ Vertical Free Standing	BLA500



3WAY

5WAY

Brass Connectors

Code	Description
3WAY	3-way Brass Connector
5WAY	5-way Brass Connector



GGE6R
& 10R

GGE6B
& 10B

Pressure Gauge

Code	Description
GGE6R	40mmØ 6Bar Pressure Gauge, rear
GGE6B	40mmØ 6Bar Pressure Gauge, bottom
GGE10R	40mmØ 10Bar Pressure Gauge, rear
GGE10B	40mmØ 10Bar Pressure Gauge, bottom



Flexible Hose

Code	Description
FH60	1" BSP x 60cm long flexible hose (s/s)

Pressure Switches

CON



PS-02A



PS-02B

Code	Pressure (Bar)		Contact Rating	Thread
	Min.	Max.		
PS-02A 2.8	1.4	2.8	2P 20A N/C	1/4" NPT
PS-02A 3.5	2.1	3.5	2P 20A N/C	1/4" NPT
PS-02A 4.3	2.8	4.3	2P 20A N/C	1/4" NPT
PS-02B 5.6	3.5	5.6	2P 20A N/C	1/4" NPT
PS-02B 7.2	4.9	7.2	2P 20A N/C	1/4" NPT

Electronic Pressure Switches **IP65**

With integrated digital pressure gauge. (Bar & psi). Start and stop single phase electric pumps. Cut-In and Cut-Out pressure easily and accurately set via control panel.



SWITCHMATIC 2



SWITCHMATIC 1T

Code	SWITCHMATIC 2	SWITCHMATIC 1T
Power Supply	110 - 230VAC, 50/60Hz	
Max Power	2.2kW (3HP)	
Start Pressure	0.5 TO 7 bar	
Stop Pressure	1 to 8 bar	
Max Differential	7.5 bar	
Min Differential	0.5 to 1.5 bar	
Max water Temp	50°C	
Inlet Thread	G 1/4"F	G 1"
Outlet Thread	—	G 1"
Tank Thread	—	G 1"

SWITCHMATIC 2

- Dry run protection (current)
- Overload alarm
- Differential, Inverse or synchronized (2 pumps) control

SWITCHMATIC 1T

- Incorporated 3 way fitting
- Built-in non return valve
- Dry run protection (pressure)

Common Features

- ART (Automatic Reset Test feature)
- Sleep mode for low power consump.
- Built-in pressure transmitter
- Rapid cycle alarms
- Manual start function

Pressurestat **IP65**

Assembled to a pump it supplies constant pressure. Electronic controls prevent starting in the absence of water, and reduce water hammer. Does not require any maintenance or air pre-charge.

Applications:

- Suitable for operation with water containing a small quantity of sand.
- Replaces the use of costly hydrospheres and pressure switches in many systems.



DSK-1

DSK-2
DSK-2.1

DSK-1.1

Code	DSK-1	DSK-1.1	DSK-2	DSK-2.1
Voltage	240V	240V	230V	230V
Rated Current	10A	10A	10A	10A
Max. Pressure	10 bar	10 bar	10 Bar	10 Bar
Starting Pressure	1.5 bar	1 - 2.2 bar (Adj)	1.5 Bar	1.5 - 2.5 Bar (Adj)
Stopping Pressure	The Max given by the pump			
Differential Pressure	≥ 0.7 Bar	≥ 0.7 Bar	≥ 0.7 Bar	≥ 0.5 Bar
Max. Flow	12m³/h	12m³/h	12 m³/h	12 m³/h
Max. Building Height	15m	15m	15m	15m
In/Outlet Thread Ø	1" male	1" male	1" male	1" male

IRRIGATION

RAIN BIRD



ESP-4ME



RBESP-LNKWFM



RSD-BEX



ESP-SM3

Irrigation Controllers

The ESP Modular Irrigation Controller is a 4 station timer with 4 independent programmes easily expanded up to 22 stations by adding "Plug In" station expansion modules.

Code	Description
NEW ESP-4ME	Outdoor Irrigation Controller max 22 stations

Accessories

Code	Description
ESP-SM3	3 Station plug-in expansion module - order separately
NEW ESP-SM6 MOD	6 Station plug-in extension module
RSD-BEX	Rain sensor c/w mounting bracket
NEW RBESP-LNKWFM	ESP Link WiFi Module

- 4 programmes with 6 starts per program
- "Hot Swappable" plug-in modules
- 230VAC input/ 25.5VAC @ 1A output
- Rain Bird APP available for Android & IOS



EV100

Solenoid Valves

Code	Description
EV100	24VAC Solenoid Valve - 25mm, 8 bar

Transformer for Solenoid Valves

Code	Description
25VAW 230/24	25VA 230/24VAC with Flying Leads
25VAW 400/24	25VA 400/24VAC with Flying Leads
25VAP-24-T	25VA 230/24VAC Plug Type



Inline Filters

Code	Description
WL-1L	1 Litre Water Filter - 25mm Inlet/Outlet
WL-1SF	Spare 1 Litre replacement cartridge (unwashable)

- Max Pressure: 5 Bar
- Max Temperature: 35°C



VB1419-13B



VB610

Valve Boxes

Code	Description
VB1419-13B	300 x 450mm Lockable rectangular Valve Box
VB610	150mmØ Non-Lockable round Valve Box
VB910-12	250mmØ Lockable round Valve Box

INLINE WATER TIMERS

120 min Mechanical Timer



Dial

7 Day Digital Timer



7 Day Analogue Timer



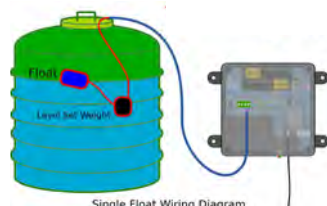
Code	WM-1000	AML-080C	AML-1037B
Power Supply	Mechanical	2 x AA 1.5V (Excl)	2 x AA 1.5V (Excl)
No. of Programs	—	6 Programs	1 Program
Features	Set watering time and open tap. Water cut-off when time elapses (¾" couplings).	Quick, easy programmable .Seasonal budget. Adjusts program duration (0-200%)	Selectable time, duration and cycle (up to 7 days)

NEW

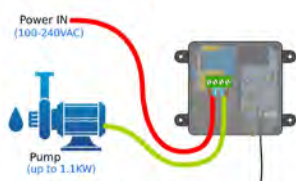
WIRELESS PUMP CONTROL SYSTEM



Dual Float Wiring Diagram



Single Float Wiring Diagram



Single Phase pump Wiring diagram

Remote Float Pump Control System - IP68

Remote Float is your solution to automate a pump to keep one or more tanks filled. Remote Float comes in two parts. One unit at the tank and other at the pump. It can switch smaller pumps (<1.1kW) directly or control bigger pumps using contactors. The tank station uses one or two float switches for level control (Float switches purchased separately). The system communicates via wireless signal with a range of up to 10km

Code	Description	
TM01	Remote Float Kit Include Pump & Tank Station	
TMT01	Add on Tank station	
Specification	Pump System	Tank System
Power Supply	230VAC/5VDC	2 x AAA Batteries
Inputs	-	2 X Dry Contact
Battery life	-	1-2 Years
Outputs	1 x SPDT Contact 30A @ 220V	
Dimensions of Tank/ Pump Unit	127.8 x 99 x 39mm	
Wireless Frequency	434MHz	
Transmission Power	15dBm	
Wireless Range	5-10km (Line-Of-Sight)	

NEW

SMART IRRIGATION CONTROLLERS



TTV-103BLE

TCS-005RF

Bluetooth Water Valve & Timer IP54 - ABS/ Stainless Steel

Code	Power Supply	Working Pressure	Working Flow Rate	Inlet	Outlet
TTV-103BLE	4 x AA batteries	50-500kpa	5-35l/min	1" thread with 3/4" adaptor	3/4" thread

Soil Moisture Sensor IP65

Code	Description
TCS-005RF	433MHz RF Communication 3 x AAA batteries (not included) Soil Moisture Range 0% ~ 100%



Features

- Built-in filter
- Soil Moisture levels are updated every 10 minutes
- Timer can be paired with Bluetooth Gateway for remote monitoring and control
- Manual ON/OFF function
- Schedules: A maximum of 3 Open/Close Programs can be set for each day

Note: See page ??? for Bluetooth Gateway



Wifi Irrigation Controllers

The controller can operate 24VAC Solenoid Valves with 30 On/Off schedules that can be set daily or on specific days of the week on the App

Code	AS-IC-4C	AS-IC-8C
No. Channels	4	8
Channel Output	24VAC	
Power Supply	24VAC DC barrel plug	



Note: See page 2.9 Main Cat for Solenoid Valves and Transformers

TELEMETRY SYSTEMS

Input/Output Tranceiver - IP55

Supplied in weatherproof enclosure with power supply.
Order Antenna and Battery separately. A typical system would require
2 x **TXR44** + 2 x **ANTTRX** + 2 x **SY1270** (For Battery Backups if required.)

Code	Description
TXR44	4 Input / 4 Output Transmitter / Receiver

Specifications

- 6km in line of sight
- License free wireless band
- Positively triggered inputs
- Backup battery optional extra
- Supply Volts: 230VAC



One Way Transmitter / Receiver System

A simple system would require: 1 x **FRKUR4** + 1 x **SUPERHOG** + Enclosures & Power Supplies

Code	Description
FRKUR4	4 Channel Receiver 1-6km
SUPERHOG	4 Channel Transmitter 1-6km

Possible Applications

- Automatic Pump Control
- Electric Fence Monitoring
- Fire Panel Monitoring

Complete Solutions

Contact the Panel Workshop for complete solutions tailored to your application

Accessories

Code	Description
ANT10M	10m Antenna Extension Cable SMA Connector
ANTTRX	6km Antenna, 2.5m Lead, SMA Connector
TG-1	Hand Held Remote 1CH 1-3km
TG-2	Hand Held Remote 2CH 1-3km
FUHFMINIREPT	Repeater for use with SUPERHOG / FRKUR4

Power Supplies

Code	Description
DPSU/3/12	3A 12V regulated power supply*
SY1270	Battery 7Ah 12VDC sealed lead acid

*If used with a battery set at 13.6VDC



TELEMETRY SYSTEMS

30km Transmitter & Receiver

Ideal for pump control, security and supervision applications

- Power Supply: 230VAC
- Enclosure: Polycarbonate **IP65**
- Protection against lightning strikes
- Low battery detection and transmission

Transmitter	Code	Receiver	Code
2 Channel	TAF-02T	2 Channel	TAF-02R
5 Channel	TAF-05T	5 Channel	TAF-05R
8 Channel	TAF-08T	8 Channel	TAF-08R

Antenna for the above must be ordered separately ±30km

Accessories

Code	Description
SP-20	Support Pole Antenna
TAF-ANT	Spare Standard Antenna
BA-1.5	1.5V AA Alkaline Battery



DIESEL OIL PUMPS & ACCESSORIES



PS SERIES



GT KIT



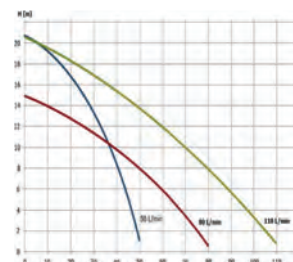
VF KIT



SMT KIT

Diesel Transfer Pump - 230VAC

Type	Code		
Pump Only	PS30	PS48N	PS70
With GT KIT	GT30	GT48N	GT70
With VF KIT	VF30	VF48N	VF70
With SMT KIT	SMT3000	SMT4800N	SMT7000
Flow Rate at pump	50ℓ/min	80ℓ/min	110ℓ/min
Watts	0.37kW	0.37kW	0.56kW
Volts	230VAC	230VAC	230VAC



Kit Type	Kit Includes
Pump Only	• Self priming volumetric vane pump with built in by-pass • Cast iron body
GT KIT	• Steel pump cover and rotor • POM plastic impeller and by-pass valves • Aluminium motor case Basic Pump plus: • 4m anti static discharge hose with 1"-1" crimped brass connections • Aluminium manual nozzle
VF KIT	Basic Pump plus: • 1.1m telescopic suction tube with 2" connection for barrel or drum • Aluminium manual nozzle • 4m antistatic discharge hose with 1"-1" crimped brass connections
SMT KIT	Basic Pump plus: • Wall mounting bracket • 3 digit mechanical flowmeter • Aluminium manual nozzle • 6m anti static discharge hose with 1"-1" crimped brass connections



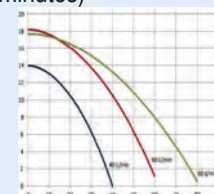
PS12V SERIES



KITBAT12V KIT

Diesel Transfer Pumps - 12VDC (Maximum Continuous Pumping Allowed: 20 minutes)

Type	Code		
Pump Only	PS12V40L	PS12V60L	PS12V80L
With GT KIT	KITBAT12V40L	KITBAT12V60L	KITBAT12V80L
Flow Rate at pump	40ℓ/min	60ℓ/min	80ℓ/min
Watts	140W	240W	400W
Volts	12VDC	12VDC	12VDC



Kit Type	Kit Includes
Pump Only	• Portable self priming diesel oil transfer vane pumps with by-pass • Cast iron pump body
GT KIT	• Steel pump cover plate • POM plastic impeller blades and by-pass valves • Galvanised steel motor case Basic Pump plus: • 4m anti static discharge hose with 1"-1" crimped brass connections • Aluminium manual nozzle

Accessories

Code	Description
TL80	Automatic nozzle with F1" swivel connection and trigger lock up to 80ℓ/min
UR6000	Aluminium manual nozzle with F1" swivel connection and trigger lock up to 80ℓ/min
UR-995-375	Drum coupling swivel
UR-001	Drum coupling rigid
UR-139787	4 Meter Ø20mm, 1" crimped discharge hose
UR-971520	6 Meter Ø20mm, 1" crimped discharge hose
UR-140907	BRASS-Threaded connection (Male)1" (26/34mm) Ribbed Ø20mm
UR400FM	4 Digit resettable flowmeter with oscillant disc for precise measurement of fuel. 6 Digit non resettable total counter. Max 3 bar.

VANE OIL PUMPS



MVP-370



LC1



AN15A



MN12A

Vane Oil Pump - 230VAC

Code	Power	Head Max.	Flow Rate Max.
MVP-370	370W	26m	2.6m³/h

Accessories - 12/24VDC

Code	Inlet	Outlet	Description
AN15A	1"	1"	Nozzle
MN12A	1"	13/16"	Nozzle
LC1	1"	1"	Litre counter (accuracy ± 2%)
UR-750	1"	1"	Hose for use with pumps (length: 5m)
UR-100	1"	1"	1" Coupling
UR-257	1"	1"	3/4" Coupling
UR-375	1"	1"	Foot Valve
UR-400	—	—	Hose Clamp



UR-750



UR-257



UR-100



UR-375



UR-400

SMART POOL BOXES

Swimming Pool Control Boxes Wired, comprising DIN isolator, circuit breakers & timer plus double wound lighting transformer & socket outlet if selected. Suitable for incandescent and LED underwater lights.



SBX-1/3/7/8



SBX-2



SBX-4A cover removed



SBX-5 cover removed



Mobile phone not included
App: ACDC Smart Switch

Smart Models

Timers are replaced with Smart WIFI Time Switches. Change schedules and monitor status via the ACDC Smart Switch phone app. Switch your pool pumps on/off from anywhere in the world. For more informa-

Enclosure Rating	16A Socket Outlet	Timer	Working Reserve	No Light	NEW Underwater Lighting		
				Vinyl Pools	15VA Trf 1 x 15W LED	120VA Trf 1 x 100W Hal. 6 x 15W LED	300VA Trf 2 x 100W Hal.
Indoor IP42	No	SUL	-	-	-	SBX-1 SUL	-
		BND	No	SBX-8 BND	SBX-1L BND	SBX-1 BND	-
		DUOQRD	Yes	SBX-8 DUO	SBX-1L DUO	SBX-1 DUO	-
		SMART	Yes	SBX-8 SMART	SBX-1L SMART	SBX-1 SMART	-
	Yes	SUL	-	-	-	SBX-2 SUL	-
		BND	No	-	SBX-2L BND	SBX-2 BND	-
		DUOQRD	Yes	-	SBX-2L DUO	SBX-2 DUO	-
		SMART	Yes	-	SBX-2L SMART	SBX-2 SMART	-
Outdoor Weatherproof IP55	No	SUL	-	-	-	SBX-4 SUL	SBX-5 SUL
		BND	No	-	SBX-4L BND	SBX-4 BND	SBX-5 BND
		DUOQRD	Yes	-	SBX-4L DUO	SBX-4 DUO	SBX-5 DUO
		SMART	Yes	-	SBX-4L SMART	SBX-4 SMART	SBX-5 SMART
	Yes	SUL	-	-	-	SBX-4A SUL	SBX-5A SUL
		BND	No	-	SBX-4AL BND	SBX-4A BND	SBX-5A BND
		DUOQRD	Yes	-	SBX-4AL DUO	SBX-4A DUO	SBX-5A DUO
		SMART	Yes	-	SBX-4AL SMART	SBX-4A SMART	SBX-5A SMART

Note: **IP42** Enclosure - ABS with hinged transparent cover over the breakers and timer

IP55 Enclosure - DMC with sliding lift off front cover

Spa/Jacuzzi Boards - Without Light **IP42**

Code	Description
SBX-3	SPA D/B Board no wiring: c/w DIN isolator, 2 x 20A CB's, 1 x 4kW contactor & DUOQRD 24hr timer with reserve
SBX-7	SPA D/B Board fully wired: c/w DIN isolator, 2 x 20A CBs, 1 x 4kW contactor & DUOQRD timer with reserve

POOL FILTERS



PL-650



HT-815

Pool Filter

Code - Top Valve	Filter Area	Max Flow Rate	Sand
PL-650	0.31m ²	15.3m ³ /h	145kg / 4 bags
PL-700	0.39m ²	19.2m ³ /h	210kg / 5 bags

Accessories

Code	Description
HT-815	Top mount valve 1½" / 50mm unions

Suitable for residential pools and fish ponds. Maximum working pressure: 200kPa. Easy to use multi-port valve allows easy selection of valve / filter operations. Valve / filter operations: filter, backwash, rinse, waste, closed, recirculate. Valve connections: 1½" / 50mm

FLOW POWERED POOL & SPA LED LIGHT



Back



Front

Aim Flow Powered Pool & Spa LED

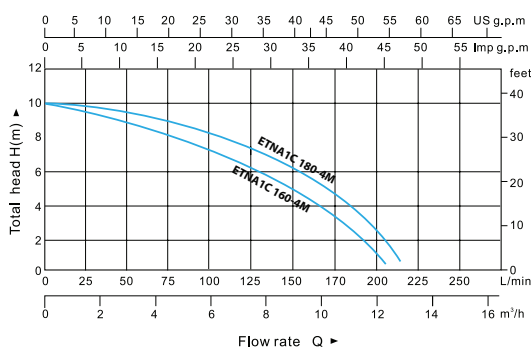
Jet Hole Mounting | No External Power Required | Self Generating

Code	Wattage	Voltage	Lumen	Beam Angle	Size (mm)
JHM-L*	0,1W	Self Driven	10lm	60-90° (2m)	Ø45 x 40

*Add colour to code: ○ CW (Cool White), ● BL (Blue), ● GN (Green)

LIT

SWIMMING POOL & SPA PUMPS IP55

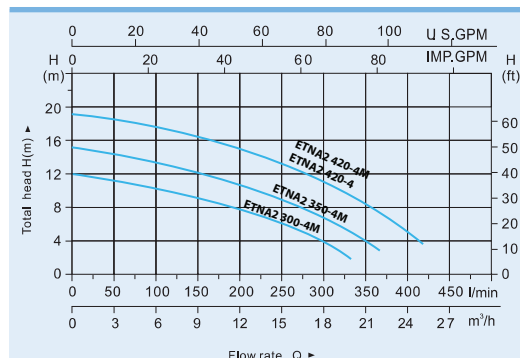


Small to Medium Pools

Application:
Recycling & filtering
of water for small to
medium swimming
pools

- Impeller Noryl/glass fibre
- Max working pressure 3 bar
- Built-in Thermal Protection
- Class F Insulation
- Polypropylene Pump Body/Diffuser
- Stainless Steel Shaft
- Ceramic/graphite mechanical seal

Code	Voltage	Power		Amps	Max Head (m)	Max Flow (l/min)	In / Out (Inch)
		KW	HP				
ETNA1C 160-4M	230VAC	0,25	0,33	1,9	10	200	1½ x 1½
ETNA1C 180-4M	230VAC	0,37	0,5	3,2	10	230	1½ x 1½



Medium to Large Pools

Application:
Recycling & filtering
of water for
medium to large
swimming pools

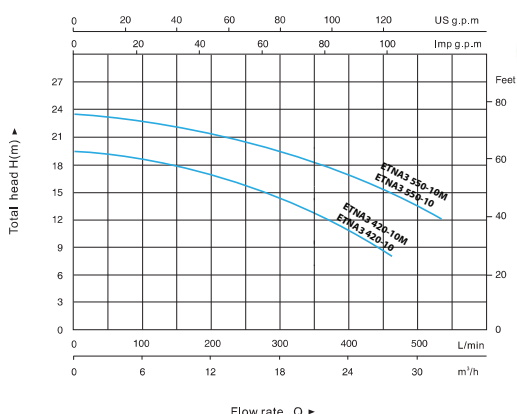
- Self priming up to 2.5m
- Class F Insulation
- Built-in Thermal Protection (230V versions)
- Max working pressure 3 bar
- Polypropylene Pump Body/Diffuser
- Noryl/glass fibre Impeller
- Stainless Steel Shaft
- Ceramic/graphite mechanical seal

ETNA2 Accessories



Code	Voltage	Power		Amps	Max Head (m)	Max Flow (l/min)	In / Out (Inch)
		KW	HP				
ETNA2 300-4M	230VAC	0,55	0,75	0,75	12,5	330	2¼ x 2
ETNA2 350-4M	230VAC	0,75	1	1	15	360	2¼ x 2
ETNA2 420-4M	230VAC	1,1	1,5	1,5	17	400	2¼ x 2
ETNA2 420-4	400VAC	1,1	1,5	1,5	17	400	2¼ x 2

PERFORMANCE CHART AT n=2900 r/min



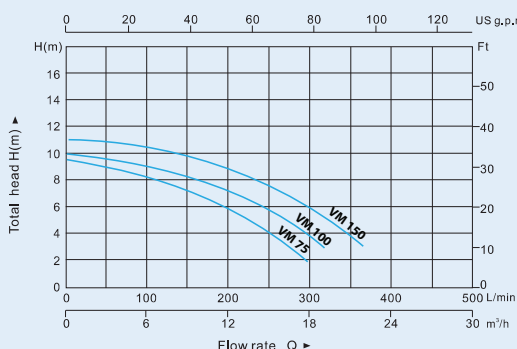
Large Pools

Application:
Recycling & filtering
of water for large
swimming pools

- Self priming up to 1.5m
- Class F Insulation
- Built-in Thermal Protection (230V versions)
- Max working pressure 2.5 bar
- Polypropylene Pump Body/Diffuser
- Noryl/glass fibre Impeller
- Stainless Steel Shaft
- Ceramic/graphite mechanical seal

Code	Voltage	Power		Amps	Max Head (m)	Max Flow (l/min)	In / Out (Inch)
		KW	HP				
ETNA3 420-10M	230VAC	1,5	2	4,8	19,5	465	2 x 2½
ETNA3 420-10	230VAC	1,5	2	2,8	19,5	465	2 x 2½
ETNA3 550-10M	230VAC	2,2	3	7,1	23	540	2 x 2½
ETNA3 550-10	400VAC	2,2	3	4,1	23	540	2 x 2½

PERFORMANCE CHART AT n=2900 r/min



Spa Pumps

Application:
Circulation of
Spa Bath Water

- Class F Insulation
- Built-in Thermal Protection
- Max working pressure 2.5bar
- Polypropylene Pump Body/Diffuser
- Noryl/glass fibre Impeller
- Stainless Steel Shaft
- Ceramic/graphite mechanical seal

Code	Voltage	Power		Amps	Max Head (m)	Max Flow (l/min)	In / Out (Inch)
		KW	HP				
VM75	230VAC	0,5	0,7	2,7	9	300	1½ x 1½
VM100	230VAC	0,7	1	3,7	10	320	1½ x 1½
VM120	230VAC	0,9	1,2	5,6	11	360	1½ x 1½

CAST IRON SURFACE PUMPS

Peripheral Pump



Application: Clean water and liquids without particulate matter and aggressive chemicals

- **IP44** Protection
- Class B Insulation
- Max Liquid Temp 60°C
- Stainless Steel Shaft AISI 420
- Cast Iron Pump Body
- Ceramic/graphite mechanical seal
- Brass Impeller

Code	Voltage	Power		Amps	Max Head (m)	Max Flow (l/min)	In / Out (Inch)
		KW	HP				
PR 50M	230VAC	0,37	0,5	2,4	35	35	1 x 1
PR 60M	230VAC	0,55	0,75	4,9	50	40	1 x 1
PR 80M	230VAC	0,75	1	6,2	58	50	1 x 1
PR 100M	230VAC	1,1	1,5	7,6	68	85	1 x 1

Self Priming Jet Pump



Application: Clean water and liquids without particulate matter and aggressive chemicals

- **IP44** Protection
- Class B Insulation
- Max Liquid Temp 60°C
- Stainless Steel Shaft AISI 420
- Cast Iron Pump Body
- Ceramic/graphite mechanical seal
- Brass Impeller

Code	Voltage	Power		Amps	Max Head (m)	Max Flow (l/min)	In / Out (Inch)
		KW	HP				
JET-L C80M	230VAC	0,55	0,75	4,2	43	48	1 x 1
JET-L C100M	230VAC	0,75	1	5	50	52	1 x 1

Centrifugal Pump



Application: Clean water and liquids without particulate matter and aggressive chemicals

- **IP44** Protection
- Cast Iron Pump Body
- Cast Iron Motor Bracket
- Stainless Steel Shaft AISI 420
- Continuous Duty Rated
- Ceramic/graphite mechanical seal
- Max Suction Head 8m
- Brass Impeller

Code	Voltage	Power		Amps	Max Head (m)	Max Flow (l/min)	In / Out (Inch)
		KW	HP				
FERCO B150M	230VAC	0,37	0,5	2,2	22	90	1 x 1
FERCO B1100M	230VAC	0,75	1	5,48	32	110	1 x 1
FERCO B1150M	230VAC	1,1	1,5	7,5	37	115	1 x 1
FERCO B1200M	230VAC	1,5	2	10,5	47	115	1 x 1

Hi-Flow Centrifugal Pump



Application: Recommended for civil, agricultural and industrial use. High flow rate and continuous rated

- **IP44** Protection
- Class B Insulation
- Max Liquid Temp 60°C
- Stainless Steel Shaft AISI 420
- Cast Iron Pump Body
- Ceramic/graphite mechanical seal
- Brass Impeller

Code	Voltage	Power		Amps	Max Head (m)	Max Flow (l/min)	In / Out (Inch)
		KW	HP				
FERCO APC-60M	230VAC	1,1	1,5	5,2	24	450	2 x 2
FERCO APC-60	400VAC	1,1	1,5	3	24	450	2 x 2
FERCO APC-70M	230VAC	1,5	2	6,7	28	450	2 x 2
FERCO APC-70	400VAC	1,5	2	3,9	28	450	2 x 2

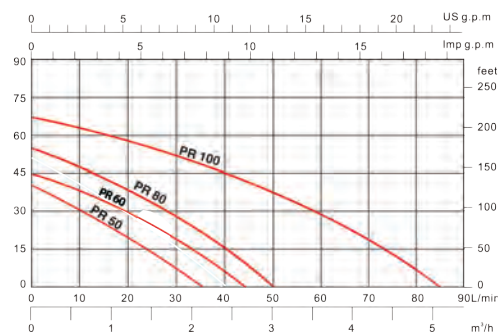
Twin Stage Centrifugal Pump



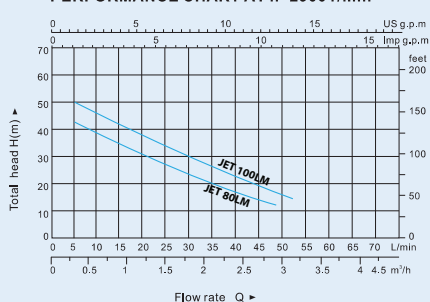
Application: Clean water and liquids without particulate matter and aggressive chemicals

- **IP44** Protection
- Class B Insulation
- Continuous Duty Rated
- Max Liquid Temp 60°C
- Stainless Steel Shaft AISI 420
- Cast Iron Pump Body
- Ceramic/graphite mechanical seal
- Brass Impeller

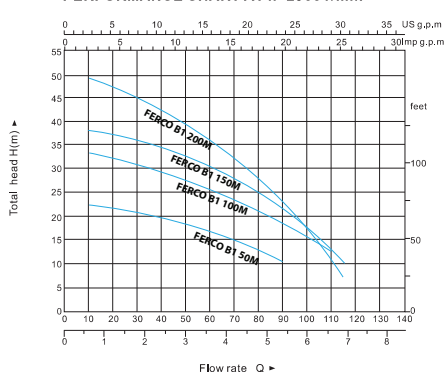
Code	Voltage	Power		Amps	Max Head (m)	Max Flow (l/min)	In / Out (Inch)
		KW	HP				
FERCO2 25/160AM	230VAC	2,2	3	8,1	60	200	1¼ x 1
FERCO2 25/160A	400VAC	2,2	3	4,7	60	200	1¼ x 1
FERCO2 32/200C	400VAC	3	4	6,1	70	250	1½ x 1¼
FERCO2 32/200B	400VAC	4	5	9,7	80	275	2 x 1¼



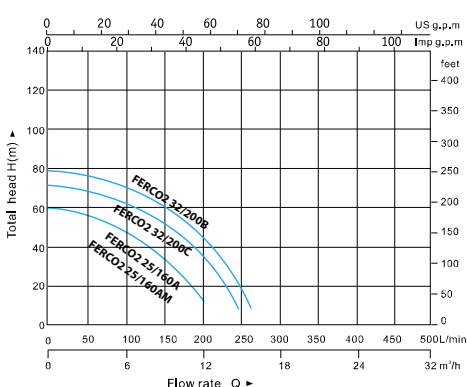
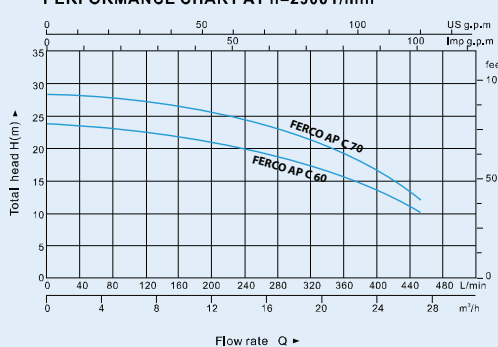
PERFORMANCE CHART AT n=2900 r/min



PERFORMANCE CHART AT n=2900 r/min

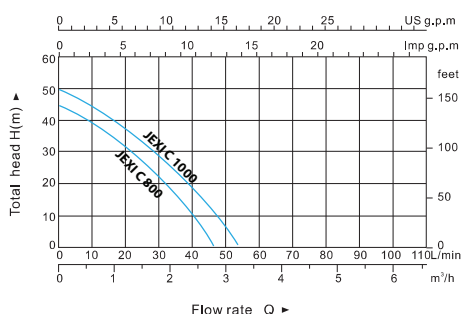


PERFORMANCE CHART AT n=2900 r/min



STAINLESS STEEL BOOSTER PUMPS

PERFORMANCE CHART AT n=2900 r/min



Self Priming Jet Pump

Application:
Clean water and liquids without particulate matter and aggressive chemicals

- **IP44** Protection
- Class B Insulation
- 2 Pole Induction Motor
- Max Suction Head 8m
- Stainless Steel Shaft AISI 420
- Stainless Steel Pump Body
- Ceramic/graphite mechanical seal
- Stainless Steel Impeller

Code	Voltage	Power		Amps	Max Head (m)	Max Flow (l/min)	In / Out (Inch)
		KW	HP				
JEXI C800M	230VAC	0,6	0,8	4,2	45	46	1 x 1
JEXI C1000M	230VAC	0,75	1	5,1	50	52	1 x 1

Horizontal Multi-Stage Stainless Steel Pump

Application:
Pumping of water and light chemicals for domestic and light industrial uses

- **IP55** Protection
- 2 Pole Induction Motor
- Continuous Rated
- Stainless Steel Shaft
- Stainless Steel Pump Body
- Ceramic/graphite mechanical seal
- Stainless Steel Impeller/Diffuser



Code	Voltage	Power		Amps	Max Head (m)	Max Flow (l/min)	In / Out (Inch)
		KW	HP				
TAUPU MS2-40	380VAC	0,55	0,75	4	28	58	1 x 1
TAUPU MS2-50	380VAC	0,55	0,75	4,2	35	58	1 x 1
TAUPU MS2-60	380VAC	0,75	1	5,2	45	58	1½ x 1½
TAUPU MS8-25	380VAC	1,5	2	7,2	27	166	1½ x 1½
TAUPU MS8-40	380VAC	2,2	3	8,4	48	166	1½ x 1½

Auto Pressure Systems

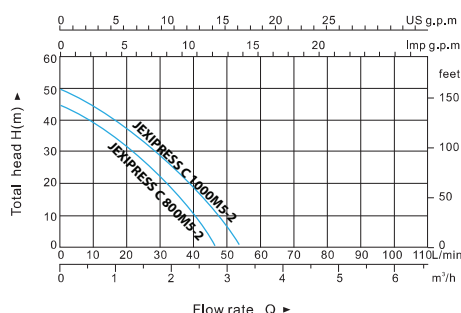
Booster pump c/w pressure vessel for domestic applications.

- **IP44** Protection
- 19L Tank
- Stainless Steel Shaft AISI 420
- Stainless Steel Pump Body
- Stainless Steel flexible Hose
- Ceramic/graphite mechanical seal
- Stainless Steel Impeller
- Pressure Range: 1.2 - 4.5 Bar

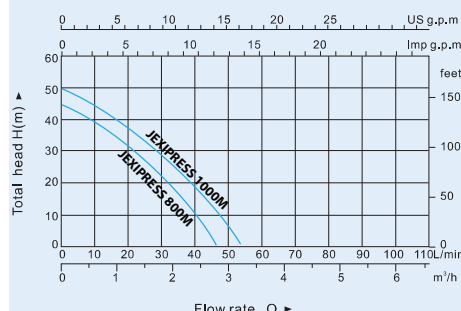


Code	Voltage	Power		Amps	Max Head (m)	Max Flow (l/min)	In / Out (Inch)
		KW	HP				
JEXIPRES C800S1M	230VAC	0,6	0,8	4,2	45	46	1 x 1
JEXIPRES C1000S1M	230VAC	0,75	1	5,1	50	52	1 x 1

PERFORMANCE CHART AT n=2900 r/min



PERFORMANCE CHART AT n=2900 r/min



Self Priming Jet Pump with Pressure Controller

Booster pump c/w pressure control for domestic applications.

- **IP44** Protection
- Class F Insulation
- 2 Pole Induction Motor
- Max Liquid Temp 60°C
- Stainless Steel Shaft AISI 420
- Stainless Steel Pump Body
- Ceramic/graphite mechanical seal
- Stainless Steel Impeller
- Pressure Range: 1.2 - 4.5 Bar

Code	Voltage	Power		Amps	Max Head (m)	Max Flow (l/min)	In / Out (Inch)
		KW	HP				
JEXIPRES C800RM	230VAC	0,6	0,8	4,2	45	46	1 x 1
JEXIPRES C1000M	230VAC	0,75	1	5,1	50	52	1 x 1

MULTI STAGE BOOSTER PUMPS

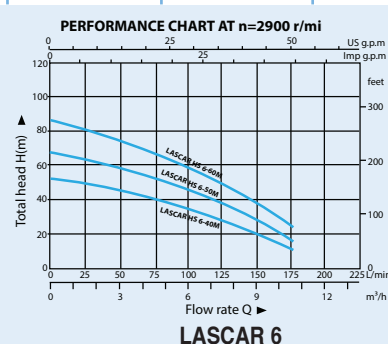
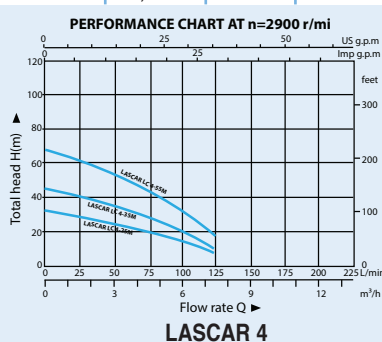
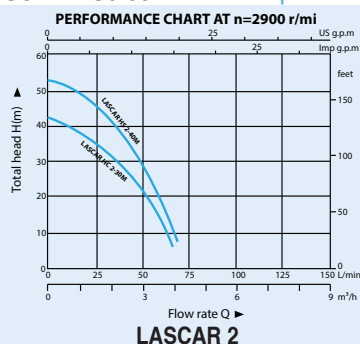


Self Priming Multi-Stage Centrifugal Pump - IP55

Application:
Clean water and
liquids without
particulate matter and
aggressive chemicals

- Class F Insulation
- 2 Pole Induction Motor
- Self Priming up to 8m
- Stainless Steel Shaft
- Cast Iron Suction / Discharge
- Ceramic/graphite mechanical seal
- Stainless Steel Impeller

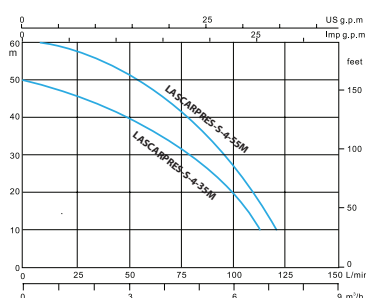
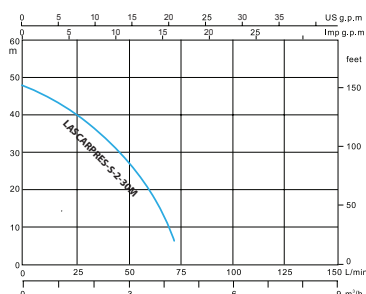
Code	Voltage	No of Impellers	Power		Amps	Max Head (m)	Max Flow (l/min)	In / Out (Inch)
			KW	HP				
LASCAR HS2-30M	230VAC	4	0,5	0,75	3.8	35	65	1 x 1
LASCAR HS2-40M	230VAC	5	0,75	1	4.8	45	65	1 x 1
LASCAR HS4-25M	230VAC	3	0,75	1	4.9	33	125	1 x 1
LASCAR HS4-35M	230VAC	4	0,9	1,2	6.1	43	125	1 x 1
LASCAR HS4-55M	230VAC	6	1,5	2	10.4	65	125	1 x 1
LASCAR HS6-40M	230VAC	4	0,9	1,2	6.1	52	175	1 x 1
LASCAR HS6-50M	230VAC	5	1,5	2	11.9	65	175	1 x 1
LASCAR HS6-60	400VAC	6	2,2	3	5.6	80	175	1 x 1



Booster Sets with Pressure Controller

Application:
Electronic booster set
for household use in
homes, apartment
buildings

- IP55 Protection
- 2 Pole Asynchronous Motor
- Stainless Steel Shaft
- Max Suction Head 8m
- Cast Iron Suction / Discharge
- Stainless Steel Pump Body
- Ceramic/graphite mechanical seal
- Stainless Steel Impeller
- Built-in non return valve



Code	Voltage	Amps	No of Impellers	Power		Max Head(m)	Max Flow (l/min)	In / Out (Inch)
				KW	HP			
LASCARPRES-S-2-30M	230VAC	3,8	4	0,55	0,75	48	70	1 x 1
LASCARPRES-S-4-35M	230VAC	6,2	4	0,75	1,2	50	110	1 x 1
LASCARPRES-S-4-55M	230VAC	9,6	6	1,5	2	62	120	1 x 1

Systems Available on Request

VSD Control

Variable speed multi pump pressure booster sets for applications where constant pressure is required

Applications

Multi-storey buildings,
Hotels, Hostels and
Apartment blocks

BFS Booster Sets

Cost effective mechanical booster sets. Pressure switch controlled

Applications

Large domestic installations,
Guest houses

VSD Control

Variable speed multi pump pressure booster sets for applications where constant pressure is required

Applications

Industrial water supply
Irrigation systems
Mining water supply



SUBMERSIBLE DRAINAGE PUMPS

Domestic Utility Drainage Pump

- Max particulate size 1 - 35mm adjustable
- Corrosion resistant materials
- Complete with Float Switch
- Stainless Steel Shaft
- Not Continuous Rated
- Mechanical Seals
- **IPX8**

Code	Voltage	Power		Amps	Max Head(m)	Max Flow (l/min)	Outlet (mm)
		KW	HP				
Q1TP-400N3	230VAC	0.4	0.5	1.4	6	125	1"1 1/4/1 1/2
Q1TP-750N3	230VAC	0.75	1.0	2.9	9	217	1"1 1/4/1 1/2

Domestic Clean Water Drainage Pump

- Max particulate size 5mm
- Corrosion resistant materials
- Complete with Float Switch
- Stainless Steel Shaft
- Not Continuous Rated
- Mechanical Seals (Lip Seal for 0,25kW)
- **IPX8**

Code	Voltage	Power		Amps	Max Head(m)	Max Flow (l/min)	Outlet (mm)
		KW	HP				
Q1CP-250M	230VAC	0.25	0.33	1.1	6	83	1"1 1/4/1 1/2
Q1CP-450M	230VAC	0.45	0.6	1.6	8	133	1"1 1/4/1 1/2
Q1CP-650M	230VAC	0.65	0.87	2.5	9	208	1"1 1/4/1 1/2

Domestic Clean Water Drainage Pumps

- Max particulate size 5mm
- Corrosion resistant materials
- Complete with Float Switch
- Stainless Steel Shaft
- Not Continuous Rated
- Mechanical Seals (Lip Seal for 0,25kW)
- **IPX8**

Code	Voltage	Power		Amps	Max Head(m)	Max Flow (l/min)	Outlet (mm)
		KW	HP				
Q1CP-450A3	230VAC	0.45	0.6	1.6	8	133	1"1 1/4/1 1/2
Q1CP-750A3	230VAC	0.75	0.87	2.7	10	208	1"1 1/4/1 1/2

Domestic Clean Water Drainage Pumps

- Max particulate size 5mm
- Corrosion resistant materials
- Complete with Float Switch
- Stainless Steel Pump Body
- Stainless Steel Shaft
- Not Continuous Rated
- Mechanical Seals
- **IPX8**

Code	Voltage	Power		Amps	Max Head(m)	Max Flow (l/min)	Outlet (mm)
		KW	HP				
Q1CS-400B3	230VAC	0.4	0.53	1.5	7	133	1"1 1/4/1 1/2
Q1CS-750B3	230VAC	0.75	1.0	2.7	8.5	175	1"1 1/4/1 1/2
Q1CS-900B3	230VAC	0.9	1.2	3.6	9	216	1"1 1/4/1 1/2

Domestic Dirty Water Drainage Pumps

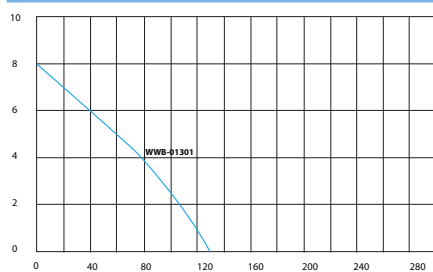
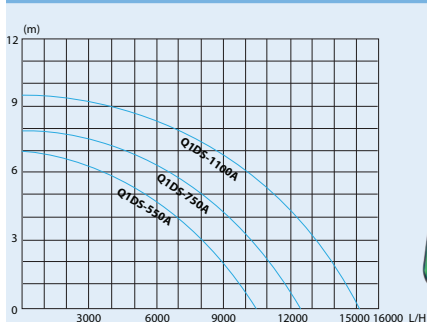
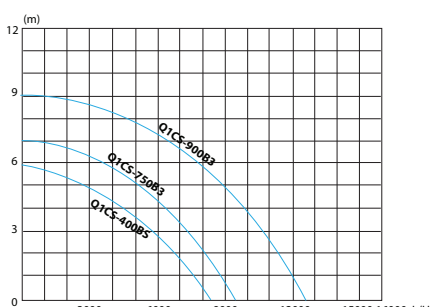
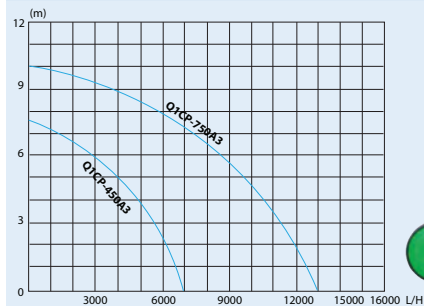
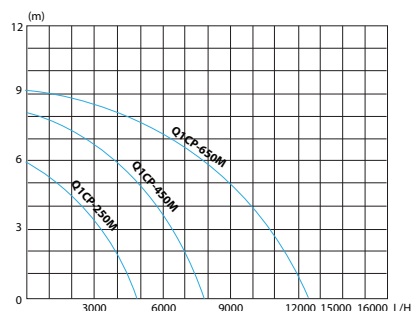
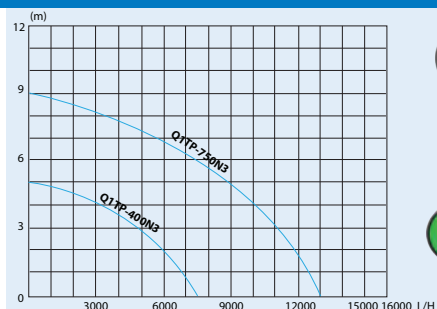
- Max particulate size 35mm
- Corrosion resistant materials
- Complete with Float Switch
- Stainless Steel Pump Body
- Stainless Steel Shaft
- Not Continuous Rated
- Mechanical Seals
- **IPX8**

Code	Voltage	Power		Amps	Max Head(m)	Max Flow (l/min)	Outlet (mm)
		KW	HP				
Q1DS-550A	230VAC	0.55	0.74	2.5	7	175	1"1 1/4/1 1/2
Q1DS-750A	230VAC	0.75	1.0	2.9	8	216	1"1 1/4/1 1/2
Q1DS-1100A	230VAC	1.1	1.5	3.8	9.5	258	1"1 1/4/1 1/2

Bilge Pump

- Max Particulate size 25mm
- Corrosion resistant materials
- Tough plastic body with integral strainer
- Quick release inlet strainer for rapid cleaning

Code	Voltage	Power		Amps	Max Head(m)	Max Flow (l/min)	Outlet (mm)
		KW	HP				
WWB-01301	12VDC	0.14	0.18	12	8.5	126	25



AQUARIUM / FOUNTAIN PUMPS

Multi-function Submersible Pump

- 230VAC
- Energy Efficient & long service life
- For use in aquariums or for pond water circulation



Code	Head Max	Flow Max	Power
FONT 08C5-2	1.0m	450L/h	8W
FONT 10C5-2	1.2m	600L/h	10W
FONT 17C5-2	1.6m	800L/h	17W
FONT 22C5-2	2.0m	1200L/h	22W
FONT 55C5-2	3.0m	2300L/h	55W
FONT 95C5-2	3.8m	3800L/h	95W

Fountain/Pond Pumps with filter & LED colour Lights IP68

- Max. flow 2400 L/H.
- 45 Watts
- Max. head 2.3 meters

Colour	Code Small Filter	Code Large Filter
● ●	FKD-3200R/R	GPD-3200R/R
● ●	FKD-3200R/Y	GPD-3200R/Y
● ●	FKD-3200R/B	GPD-3200R/B
● ●	FKD-3200R/G	GPD-3200R/G
● ●	FKD-3200Y/B	GPD-3200Y/B
● ●	FKD-3200Y/G	—
● ●	FKD-3200Y/Y	GPD-3200Y/Y
● ●	FKD-3200B/B	—
Spare Filter	—	GPD-FILTER



Pond / Fountain Pumps

Ideal for water display in gardens, ponds and water features

Code	Head Max	Flow Max	Power
FONT 18-09M	1.4m	15L/min	18W
FONT 20-12M	1.6m	15L/min	28W
FONT 21-28M	2.6m	35L/min	50W
FONT 30-34M	3.5m	50L/min	85W
FONT 36-40M	4.1m	60L/min	120W

Note: Pump & Fountain Head supplied separately c/w strainer sponge filter and power cord

Fountain Heads

Choose the fountain head to suit your application. Please check compatibility.

Compatibility: FONT 18/20-F,G / FONT 21-A,B,C,D / FONT 30/36-A,C,E

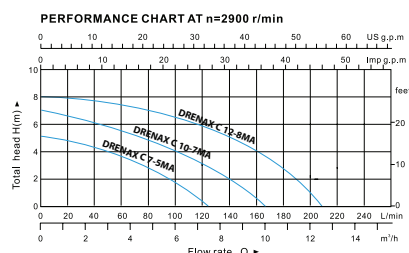
Code	FONT FH-*
* Add to Code	
	A
	B
	C
	D
	E
	F
	G



Circulation Water Pumps with filter

Code	Flow Max	Head Max	Power
FK-120SC	4200L/h	6.2	1/6HP
FK-180SC	6600L/h	7.5	1/5HP

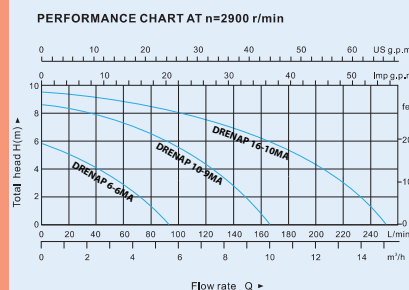
DOMESTIC SUBMERSIBLE DRAINAGE PUMPS



Domestic Dirty Water Drainage Pump - 230VAC

- Max particle size 35mm
- Max Immersion Depth - 5m
- c/w Float Switch
- Class B Insulation
- Not Continuous Rated

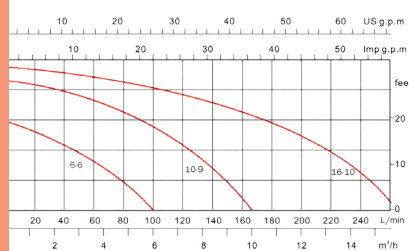
Code	Power		Amps	Max Head (m)	Max Flow (l/min)	Outlet (Inch)
	KW	HP				
DRENAX C7-5MA	0.4	0.5	1.8	4.7	133	1"/1 1/4/1 1/2
DRENAX C10-7MA	0.55	0.73	2.4	7	160	1"/1 1/4/1 1/2
DRENAX C12-8MA	0.75	1	2.7	8	205	1"/1 1/4/1 1/2



Domestic Clean Water Drainage Pump - 230VAC

- Max particle size 5mm
- Max Immersion Depth - 5m
- c/w Float Switch
- Class B Insulation
- Not Continuous Rated

Code	Power		Amps	Max Head (m)	Max Flow (l/min)	Outlet (Inch)
	KW	HP				
DRENAP 6-6MA	0.15	0.2	1.4	5.7	94	1"/1 1/4/1 1/2
DRENAP 10-9MA	0.37	0.5	1.7	8.5	168	1"/1 1/4/1 1/2
DRENAP 16-10MA	0.5	1.67	3	9.5	250	1"/1 1/4/1 1/2



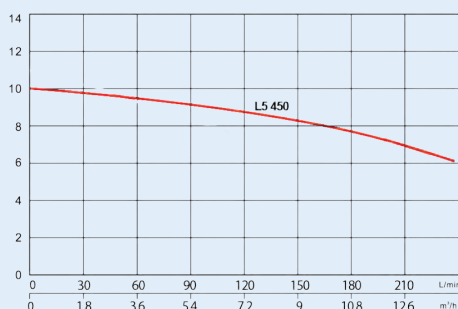
Sealless, Water Cooled, Continuous Rated, Fountain Pump - 230VAC

- C/w Float Switch
- Max solid diameter: 5mm
- Max Immersion depth: 7m
- Continuous Rated
- Water Cooled Motor

These pumps can be used to pump clean water from garages or basements, to empty swimming pools or tanks or to supply garden fountains.

Code	Power		Amps	Max Head (m)	Max Flow (l/min)	Outlet (Inch)
	KW	HP				
DRENAPS 6-6MA	0.18	0.24	1	5.8	100	3/4 / 1

SUBMERSIBLE DRAINAGE PUMPS



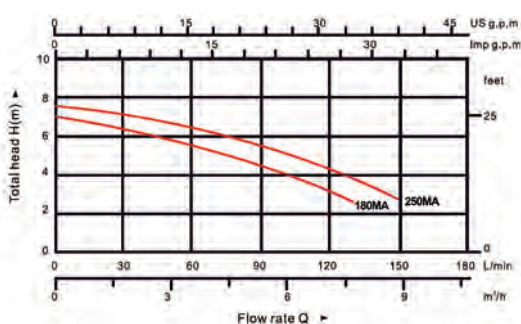
Clean Water Drainage Pump - 230VAC

- Max particle size 2mm
- Pump Body NBR Plastic
- Shaft Stainless Steel
- 2 Pole Induction motor
- Complete with float switch
- Impeller Rubber
- Double mechanical seal in oil bath
- Thermal Protected



The outlet can be rotated 90°

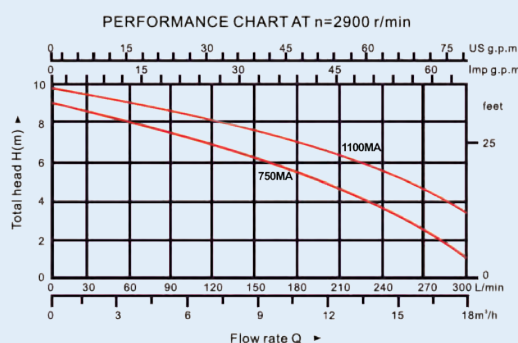
Code	KW	HP	Amp	Head Max	Outlet
DRENAP L5-450	0.45	0.6	1.95	10m	25mm



Sewage Pump with Plastic Pump Body - 230VAC

- c/w Float Switch • Maximum operating depth 5m below water level
- Dual seal and oil bath • Stainless steel motor housing
- Stainless steel mechanical seal (graphite to ceramic)
- Stainless steel shaft • Max Solids size Ø20mm
- c/w Thermal overload protection
- Reinforced polypropylene impeller
- Reinforced polypropylene pump casing and base plate

Code	KW	HP	Amp	Head Max	Outlet
DRAFEXP 180MA	0.18	0.20	1.5	7.0m	40mm
DRAFEXP 250MA	0.25	0.35	1.8	7.5m	40mm



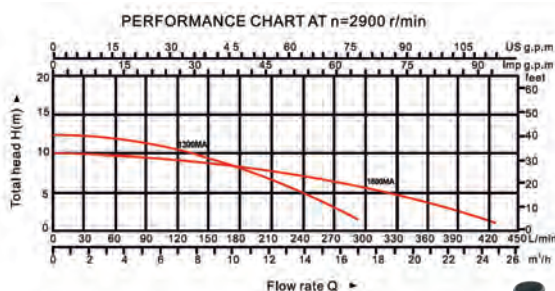
Sewage Pump with Cast Iron Pump Body - 230 VAC

- Cast Iron pump body • Stainless steel shaft
- Stainless steel mechanical seal (ceramic to graphite)
- Cast iron impeller • Max Solids size Ø30mm
- c/w Thermal overload protection • Dual seal and oil bath

Code	KW	HP	Amp	Head Max	Outlet
DRAFEX 750MA	0.75	1	4.2	10m	50mm
DRAFEX 1100MA	1.1	1.5	4.6	9m	50mm

Without Float Switch

Code	KW	HP	Amp	Head Max	Outlet
DRAFEX 750M	0.75	1	4.2	10m	50mm
DRAFEX 1100M	1.1	1.5	4.6	9m	50mm

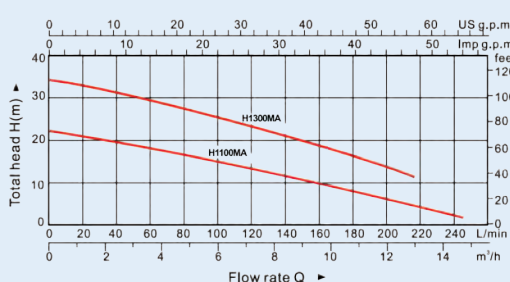


Designed to lift dirty water with long fibers or firm sundries. These are cut up by the cutter to avoid the impeller becoming blocked or entangled. Suitable for use in kitchen, sanitation, factory, mine and domestic applications.

Sewage Pump with Cutting System - 230VAC

- c/w Float Switch
- Maximum operating depth 5m below water level
- Maximum fluid temperature: 40°C
- Maximum passage for suspended solids Ø30mm
- PH value in water : 4 - 10
- Dual seal and oil bath
- Stainless steel mechanical seal
- Cast Iron pump body
- Stainless steel shaft • Cast iron impeller with cutter

Code	KW	HP	Amp	Head Max	Outlet
DRAFEX 1300MA	1.3	1.75	14.3	12m	50mm
DRAFEX 1800MA	1.8	2.4	4.9	10m	50mm



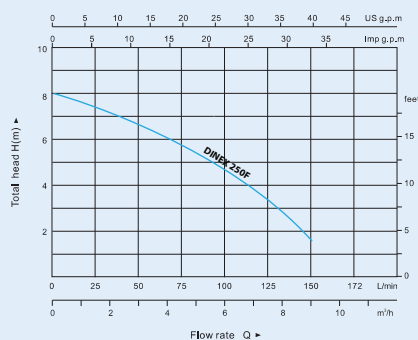
High Head Two Stage Submersible Pumps - 230VAC

- c/w Float switch for auto cut in cut out • Compact size
- Thermal overload protection • Dual seal and oil bath
- Light weight and easy to use
- Maximum operating depth 5 meter below water level
- Maximum passage for suspended solids 2mm

Code	KW	HP	Amp	Head Max	Outlet
DRAFEX H1100MA	1.1	1.5	5.6	20m	40mm
DRAFEX H1300MA	1.3	1.75	4.3	34m	40mm

STAINLESS STEEL SUBMERSIBLE PUMPS

PERFORMANCE CHART AT n=2900 r/min

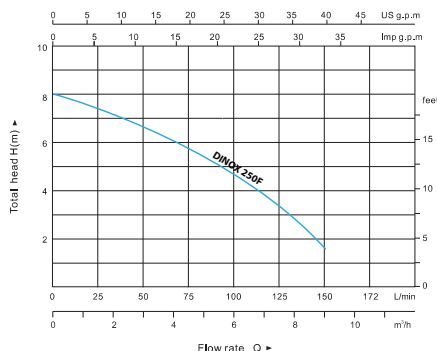


Clean Water Sump Pump - 230VAC

- C/w Float Switch
- Max depth 5m
- Max solids size 10mm
- Stainless Steel Pump and Motor Body
- Thermal Protection
- Stainless Steel Impeller
- Stainless Steel Shaft
- Seal Silicon Carbide in oil chamber
- 2 Pole Induction Motor

Code	Power		Amps	Max Head (m)	Max Flow (l/min)	Outlet (Inch)
	KW	HP				
DINEX 250F	0.25	0.33	2	8	133	1¼

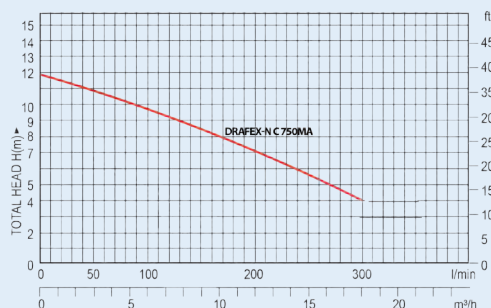
PERFORMANCE CHART AT n=2900 r/min



Dirty Water Sump Pump - 230VAC

- C/w Float Switch
- Max depth 5m
- Max solids size 20mm
- Stainless Steel Pump and Motor Body
- Thermal Protection
- Stainless Steel Impeller
- Stainless Steel Shaft
- Seal Silicon Carbide in oil chamber
- 2 Pole Induction Motor

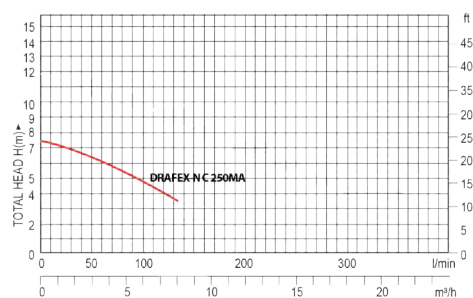
Code	Power		Amps	Max Head (m)	Max Flow (l/min)	Outlet (Inch)
	KW	HP				
DINOX 250F	0.25	0.33	2.2	8	133	1"/1¼/1½



Dirty Water/Sewage Submersible Pump - 230VAC

- C/w Float Switch
- Max depth 5m
- Max solid size 25mm
- Pump body Stainless Steel
- Impeller Stainless Steel
- Shaft Stainless Steel
- Thermal protection
- Seal Ceramic / Graphite
- Suitable for use with sea water

Code	Power		Amps	Max Head (m)	Max Flow (l/min)	Outlet (Inch)
	KW	HP				
DRAPEX-N C750MA	0.75	1	3.3	12	300	50

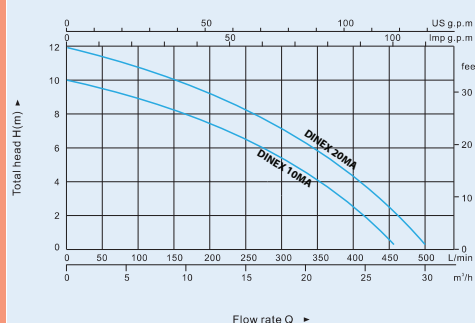


Dirty Water/Sewage Submersible Pump - 230VAC

- C/w Float Switch
- Max depth 5m
- Max solid size 25mm
- Pump body Stainless Steel
- Impeller Stainless Steel
- Shaft Stainless Steel
- Thermal protection
- Seal Ceramic / Graphite
- Suitable for use with sea water

Code	Power		Amps	Max Head (m)	Max Flow (l/min)	Outlet (Inch)
	KW	HP				
DRAPEX-N C250MA	0.25	0.33	2.1	7.5	150	1¼

PERFORMANCE CHART AT n=2900 rpm



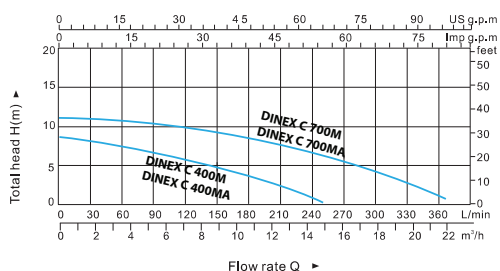
Dirty Water/Sewage Submersible Pump - 230VAC

- C/w Float Switch
- Max depth 5m
- Max solid size 40mm
- Continuous Rated
- Stainless Steel Pump Body
- Stainless Steel Motor Sleeve
- Stainless Steel Impeller
- Stainless Steel Shaft
- Ceramic / Graphite Seal
- 2 Pole Induction Motor

Code	Power		Amps	Max Head (m)	Max Flow (l/min)	Outlet (Inch)
	KW	HP				
DINEX 10MA	0.75	1	7.8	10	450	2
DINEX 20MA	1.5	2	10	12	500	2

STAINLESS STEEL SUBMERSIBLE PUMPS

PERFORMANCE CHART AT n=2900 r/min



Stainless Steel Cased Submersible Pump - 230VAC

- Max depth 5m
- Thermal Protection
- Stainless Steel Shaft
- Stainless Steel Outer Case
- Cast Iron Pump Body
- Ceramic / Graphite Seal
- Continuous Rate
- Cast Iron Impeller
- 2 Pole Induction Motor

Code	Power		Amps	Max Head (m)	Max Flow (l/min)	Outlet (Inch)
	KW	HP				

With Float Switch

DINEX C400MA	0.4	0.53	3.3	9	150	2
DINEX C700MA	0.7	0.93	3.8	11	183	2

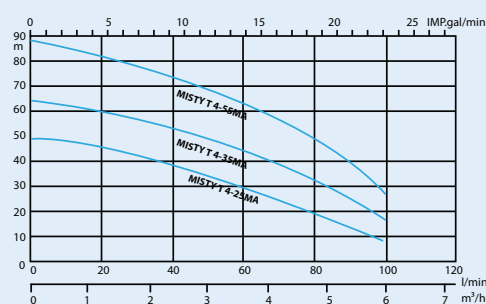
Without Float Switch

DINEX C400M	0.4	0.53	3.3	9	150	2
DINEX C700M	0.7	0.93	3.8	11	183	2

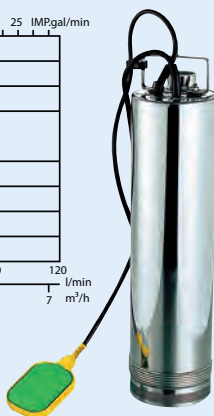
Multi-Stage Stainless Steel Submersible Pump - 230VAC

- Outer casing stainless steel
- Impellers Plastic (PC)
- Motor shaft in stainless steel
- Diffusers in Noryl, and glass loaded polymer
- c/w Float Switch
- Double mechanical seal in graphite and alumina
- Asynchronous, two poles
- Water cooled motor
- Continuous operation
- Built-in thermal protection

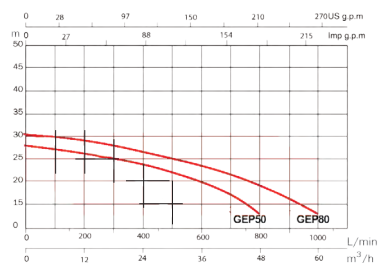
Code	Power		Amps	Max Head (m)	Max Flow (l/min)	Outlet (Inch)
	KW	HP				
MISTI T4-25MA	0.75	1	3.4	50	100	1 1/4
MISTI T4-35MA	0.8	1.25	6.5	65	100	1 1/4
MISTI T4-55MA	1.3	1.75	7.4	85	100	1 1/4



Submersible multi-stage pumps for open wells with a minimum diameter of 140mm



PETROL ENGINE WATERPUMPS



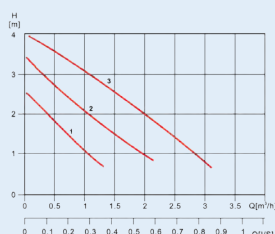
GEP centrifugal hand-carry motor pumps are particularly suitable to supply and distribute clean water for agricultural and gardening purposes when electrical connection is not possible

Portable Engine Driven Pumps

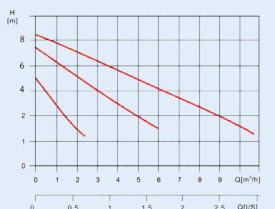
- Maximum working pressure 4 bar
- Suction lift 8m
- Fluid Temperature up to 40°C
- Continuous Duty

Code	Power	Inlet/Outlet	Head Max.	Flow Rate Max.
GEP50	6.5 HP	3" x 3"	28m	1000l/min
GEP80	8 HP	4" x 4"	28m	1800l/min

CIRCULATING PUMPS



CPD20/25

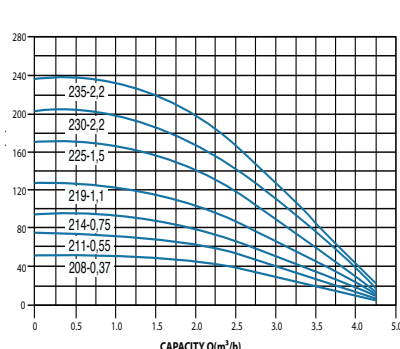


Circulating Pumps - 230VAC

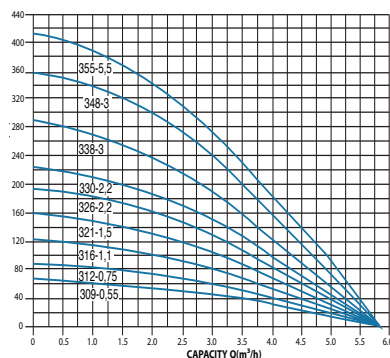
- 2 Pole induction motor
- Three adjustable speeds
- Fluid temperature: -10°C to 110°C
- Ambient Temperature +40°C
- Maximum working pressure: 10Bar
- Cast-iron Pump Body
- Plastic Impeller
- Ceramic Shaft & Bearing

Code	Inlet/Outlet	Head Max.	Flow Rate Max.
CPD20-40-130	G1"	4m	35l/min
CPD25-40-130	G1 1/2"	4m	40l/min
CPD40-80F	DN40 Flange	4m	150l/min

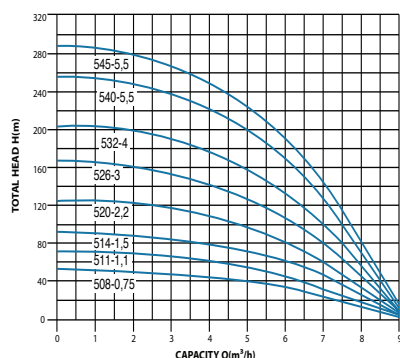
STAINLESS STEEL/PLASTIC 4" BOREHOLE PUMPS



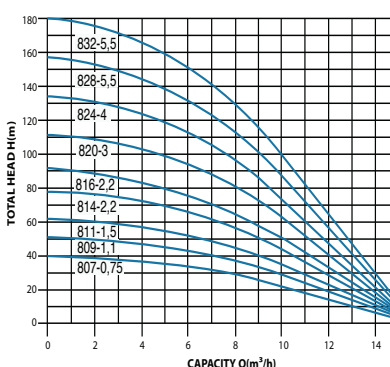
4SR2



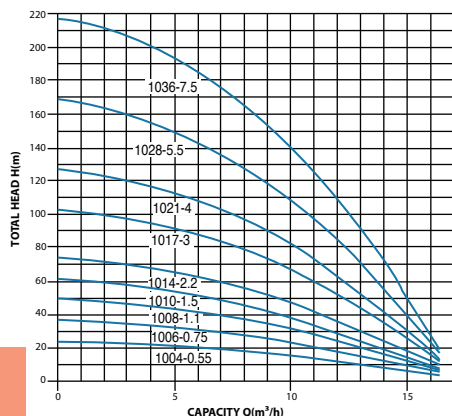
4SR3



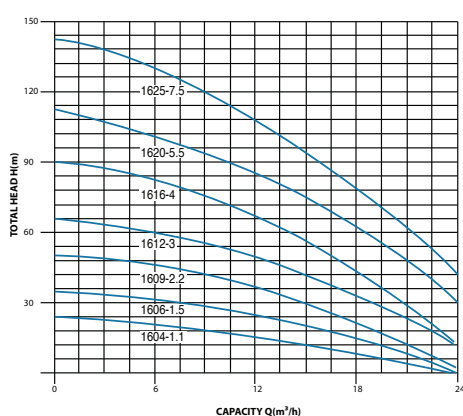
4SR5



4SR8



4SR10



4SR16

Standard 1PH Control Box

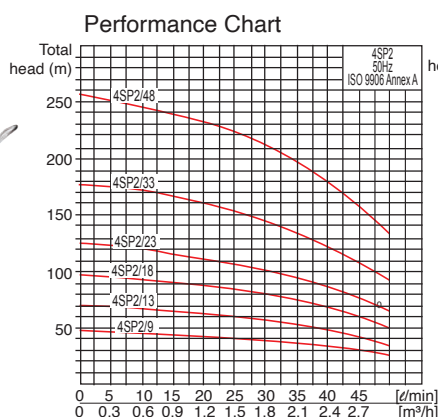


- 230V 1PH Pump complete with Motor, Lead Out Cable, 1PH Standard Control Box
- 400V Pump complete with Motor, Lead Out Cable
- Non-Return valve incorporated in pump body

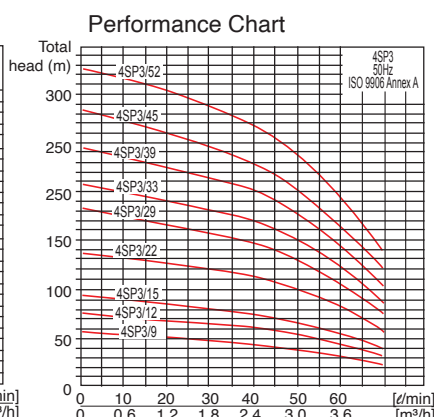
Impellers & Difussers in Poly-Phenylene Oxide

Pump Only	230V Pump & Motor	400V Pump & Motor	kW	HP
4SR208	4SRM208	—	0.37	0.5
4SR211	4SRM211	4SRV211	0.55	0.75
4SR214	4SRM214	4SRV214	0.75	1.1
4SR219	4SRM219	4SRV219	1.1	1.5
4SR225	4SRM225	4SRV225	1.5	2.0
4SR230	4SRM230	4SRV230	2.2	3.0
4SR309	4SRM309	4SRV309	0.55	0.75
4SR312	4SRM312	4SRV312	0.75	1.1
4SR316	4SRM316	4SRV316	1.1	1.5
4SR321	4SRM321	4SRV321	1.5	2.0
4SR326	4SRM326	4SRV326	2.2	3.0
4SR330	4SRM330	4SRV330	2.2	3.0
4SR338	—	4SRV338	3.0	4.0
4SR348	—	4SRV348	4.0	5.5
4SR355	—	4SRV355	5.5	7.5
4SR526	—	4SRV526	3.0	4.0
4SR532	—	4SRV532	4.0	5.5
4SR540	—	4SRV540	5.5	7.5
4SR545	—	4SRV545	5.5	7.5
4SR807	4SRM807	4SRV807	0.75	1.1
4SR809	4SRM809	4SRV809	1.1	1.5
4SR811	4SRM811	4SRV811	1.5	2.0
4SR814	4SRM814	4SRV814	2.2	3.0
4RS816	4RSM816	4RVS816	2.2	3.0
4SR820	—	4SRV820	3.0	4.0
4SR824	—	4SRV824	4.0	5.5
4SR828	—	4SRV828	5.5	7.5
4SR832	—	4SRV832	5.5	7.5
4SR1004	4SRM1004	—	0,55	0,75
4SR1006	4SRM1006	—	0,75	1,1
4SR1008	4SRM1008	4SRV1008	1,1	1,5
4SR1010	4SRM1010	4SRV1010	1,5	2,0
4SR1014	4SRM1014	4SRV1014	2,2	3,0
4SR1017	—	4SRV1017	3,0	4,0
4SR1021	—	4SRV1021	4,0	5,5
4SR1028	—	4SRV1028	5,5	7,5
4SR1036	—	4SRV1036	7,5	10,0
4SR1604	4SRM1604	4SRV1604	1,1	1,5
4SR1606	4SRM1606	4SRV1606	1,5	2,0
4SR1609	4SRM1609	4SRV1609	2,2	3,0
4SR1612	—	4SRV1612	3,0	4,0
4SR1616	—	4SRV1616	4,0	5,5
4SR1620	—	4SRV1620	5,5	7,5
4SR1625	—	4SRV1625	7,5	10,0

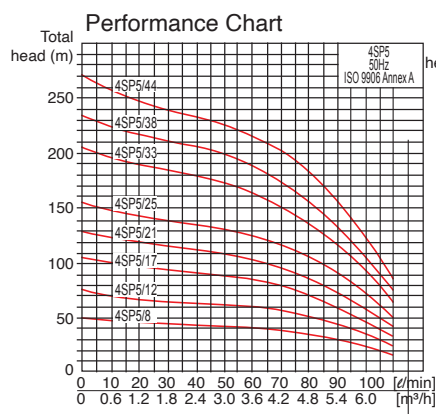
FULL STAINLESS STEEL 4" BOREHOLE PUMPS



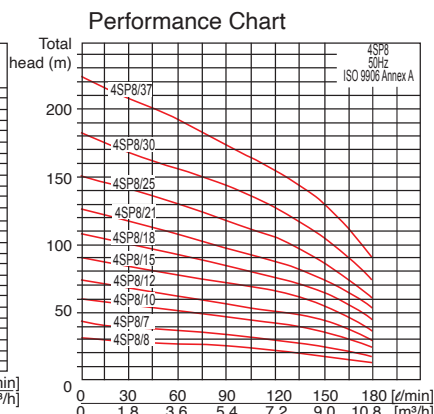
4SP2



4SP3



4SP5



4SP8

- 230V 1PH Pump complete with Motor, Lead Out Cable, Standard 1PH Control Box
- 400V Pump complete with Motor, Lead Out Cable
- Non-Return valve incorporated in pump body

Pump Series	Outlet Size	Pump Series	Outlet Size
4SP2	1"	4SP5	1.5"
4SP3	1"	4SP8	2"



Standard 1PH Control Box

Complete Stainless Steel Construction, Impeller and Strainer

Pump Only	230V Pump & Motor	400V Pump & Motor	kW	HP
4SP2/9	4SP2/9P	—	0.37	0.50
4SP2/13	4SP2/13P	4SP2/13V	0.55	0.75
4SP2/18	4SP2/18P	4SP2/18V	0.75	1.0
4SP2/23	4SP2/23P	4SP2/23V	1.1	1.5
4SP2/33	4SP2/33P	4SP2/33V	1.5	2.0
4SP2/48	4SP2/48P	4SP2/48V	2.2	3.0
4SP3/9	4SP3/9P	4SP3/9V	0.55	0.75
4SP3/12	4SP3/12P	4SP3/12V	0.75	1.0
4SP3/15	4SP3/15P	4SP3/15V	1.1	1.5
4SP3/22	4SP3/22P	4SP3/22V	1.5	2.0
4SP3/29	4SP3/29P	4SP3/29V	2.2	3.0
4SP3/33	4SP3/33P	4SP3/33V	2.2	3.0
4SP3/39	—	4SP3/39V	3.0	4.0
4SP3/45	—	4SP3/45V	3.0	4.0
4SP3/52	—	4SP3/52V	4.0	5.5
4SP5/8	4SP5/8P	4SP5/8V	0.75	1.0
4SP5/12	4SP5/12P	4SP5/12V	1.1	1.5
4SP5/17	4SP5/17P	4SP5/17V	1.5	2.0
4SP5/21	4SP5/21P	4SP5/21V	2.2	3.0
4SP5/25	4SP5/25P	4SP5/25V	2.2	3.0
4SP5/33	—	4SP5/33V	3.0	4.0
4SP5/38	—	4SP5/38V	4.0	5.5
4SP5/44	—	4SP5/44V	4.0	5.5
4SP8/5	4SP8/5P	4SP8/5V	0.75	1.0
4SP8/7	4SP8/7P	4SP8/7V	1.1	1.5
4SP8/10	4SP8/10P	4SP8/10V	1.5	2.0
4SP8/12	4SP8/12P	4SP8/12V	2.2	3.0
4SP8/15	4SP8/15P	4SP8/15V	2.2	3.0
4SP8/18	—	4SP8/18V	3.0	4.0
4SP8/21	—	4SP8/21V	4.0	5.5
4SP8/25	—	4SP8/25V	4.0	5.5
4SP8/30	—	4SP8/30V	5.5	7.5
4SP8/37	—	4SP8/37V	5.5	7.5

BOREHOLE ACCESSORIES

Base Plates		Safety Rope		4-Core Submersible Cable			Valves				
Code	Description	Code (per m)	Size	Code (per m)	Size	Size	Gate Valves	Non-Return Valve with Filter	Non-Return Valve	Full Way Ballcock Valve	PVC Valves
P115-B	32mm Pressed Metal	SR-7	7mm²	A430	2-5mm²	15mm	GV001	NRV01F	NRV01	FB001	HV001
P116	40mm Pressed Metal	SR-10	10mm²	A431	4mm²	20mm	GV002	NRV02F	NRV02	FB002	HV002
P117	50mm Pressed Metal	SR-12	12mm²	A432	6mm²	25mm	GV003	NRV03F	NRV03	FB003	HV003
				A433	10mm²	32mm	GV004	NRV04F	NRV04	FB004	HV004
				A434	16mm²	40mm	GV005	NRV05F	NRV05	FB005	HV005
						50mm	GV006	NRV06F	NRV06	FB006	HV006

STAINLESS STEEL BOREHOLE MOTORS

Single Phase 4"(100mm) Borehole Pump Motors (Motor and lead out cable only)

Code 230V	Full Load Current	Code 400V	Full Load Current	kW	HP	Length (mm)
NFS4-37P	3.9A	-	-	0.37	0.5	343
NFS4-56P	5.0A	-	-	0.55	0.75	363
NFS4-75P	6.0A	-	-	0.75	1	383
NFS4-110P	8.8A	-	-	1.1	1.5	428
NFS4-150P	11.8A	-	-	1.5	2	473
NFS4-220P	17.0A	-	-	2.2	3	580

Three Phase 4"(100mm) borehole pump motors (Motor and lead out cable only)

Code 400V	Full Load Current	kW	HP	Length (mm)
NFS4-56V	1.7A	0.55	0.75	363
NFS4-75V	2.2A	0.75	1	383
NFS4-110V	3.0A	1.1	1.5	428
NFS4-150V	3.9A	1.5	2	473
NFS4-220V	5.9A	2.2	3	580/565
NFS4-300V	7.2A	3	4	580
NFS4-400V	9.3A	4	5.5	645
NFS4-550V	13A	5.5	7.5	755
NFS4-750V	17A	7.5	10	955

Standard Single Phase 230V Control Box

Code	kW	Code	kW
NF0.37	0.37	NF1.1	1.1
NF0.56	0.56	NF1.5	1.5
NF0.75	0.75	NF2.2	2.2



For full range of
400V Control
Panels see page
173 -174

ESP

BOREHOLE DEPTH TESTER

Borehole Depth Tester

Water level meter is portable, sturdy & extremely reliable. Used for measuring water levels in tube wells, boreholes, tanks, etc.

Code (scale 1m)	Code (c/w Trim Pot)	Description
BDT-050	-	50m Tester
BDT-100	-	100m Tester
BDT-150	BDTS-150	150m Tester
BDT-200	-	200m Tester
BDT-250	-	250m Tester

Specifications

Probe Material: Stainless steel AISI 303
Cable Reel Material: Steel
Battery: 9V, Alkaline, Type 6LR61 or similar

Features

- Integrated electronics with both light and sound indication
- Low power consumption
- Long battery life
- Temperature insensitive
- Probe 10mm Ø

VALVE & CONTROLLER FOR DUST COLLECTOR SYSTEMS

Board Only

Code	Type	Size
MOD-320/S	2 - 10 Steps	195 x 130mm
MOD-420/S	2 - 40 Steps	195 x 130mm

Complete with Box

Code	Type	Size
MOD-320/B	2 - 10 Steps	250 x 200mm
MOD-420/B	2 - 40 Steps	320 x 250mm

Specifications

- Supply Voltage: 110V/220V $\pm 10\%$, 50/60Hz
- Pulse Frequency Range of Adjustability: 2-60sec
- Fuse: 3A 250VAC
- Pulse Duration Range of Adjustability: 20-200ms
- Number of Sequenced Steps: 2-10
- Operating Temperature: 0-60°C

Solenoid Valve (for air only)

Code	Volts	Connection
RDA20SC2	230VAC	3/4" PT (20mm)
RDA20SC1	110VAC	3/4" PT (20mm)
RDA25SC2	230VAC	1" PT (25mm)
RDA25SC1	110VAC	1" PT (25mm)

Spare Coils

RDA-230VAC	230VAC
RDA-110VAC	110VAC

Specifications

- Medium pressure: 6kgs/cm²
- Medium Temperature: 90°C
- Material: Aluminium
- Supplied complete with coil