MARINE INTERNATIONAL PTE LTD



QUALITY MARINE EQUIPMENT SINCE 1970

VOL. 3

MARINE INTERNATIONAL PTE LTD

Marine International Pte Ltd has over 50 years of experience in delivering solutions for quality marine equipment and industrial products. The experience and competence we have built over the years translate into high value for our customers and partners. We are dedicated to satisfying our customers by striving to exceed their expectations in affordability, quality and on-time delivery.

Delivering quality marine equipment since 1970

Distributor of some of the world's finest marine brands

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ARCTIC STEEL
Strainers

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PUMPS

Gusher Titan

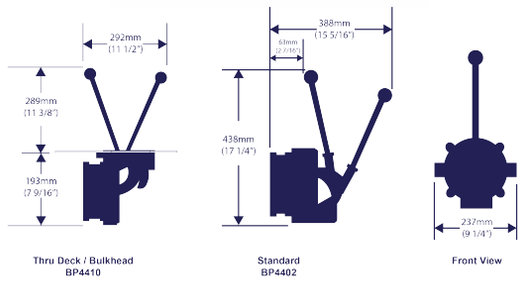
Gusher Titan is Whale's tough lightweight proven pump. A design that has been tried tested and trusted by sailors for decades.

Whale's high-performance lightweight model.

- High flow rate: 105 ltrs (28 US gals) per minute
- Clamp ring easily removed for pump head rotation
- Tough yet lightweight proven design
- 2 mounting options: bulkhead and thru deck models
- Quick maintenance: Clamp ring easily removed for pump head rotation
- Typical Uses: bilge pump out, Holding tank pump out, Toilet flush
- Ease of operation: Self-priming and spring-assisted outlet valve
- Straightforward installation

MODEL	DESCRIPTION	MOUNTING ORIENTATION	RANGE
BP4402	Whale Gusher Titan - on deck	On Deck / On Bulkhead	Polypropylene
BP4410	Whale Gusher Titan - thru- deck/ Bulkhead	Underdeck	Polypropylene





Gusher Urchin

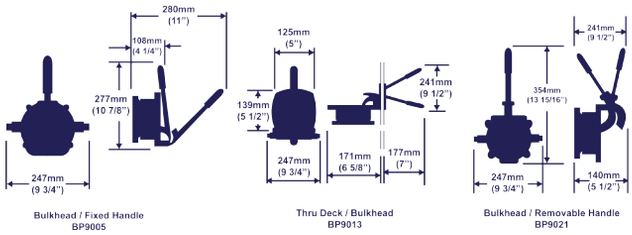
Since the 1940s Whale engineers have refined their manual bilge pump designs and completed extended life testing - the result? Whale's iconic manual bilge pump range

Manufactured by hand using high-grade materials and drawing on more than 60 years of experience.

- Easy of operation - Smooth easy action
- Easy maintenance - Clamp ring easily removed for pump head rotation and quick maintenance
- Versatility of design - Dual size nozzles for 25 mm (1") or 38 mm (1½") hose to suit your plumbing
- Efficient performance - up to 55 ltrs (14.5 US gals) per minute
- Three different mounting models (deck, bulkhead, and thru deck models)

MODEL	DESCRIPTION	MOUNTING ORIENTATION	RANGE
BP9005	Whale Gusher Urchin - on deck fixed handle	On Deck	Tough and lightweight Polypropylene
BP9013	Whale Gusher Urchin - thru deck bulkhead	Thru Deck	Tough and lightweight Polypropylene
BP9021	On deck removable handle	On Deck	Tough and lightweight Polypropylene





MK5 Universal Pump

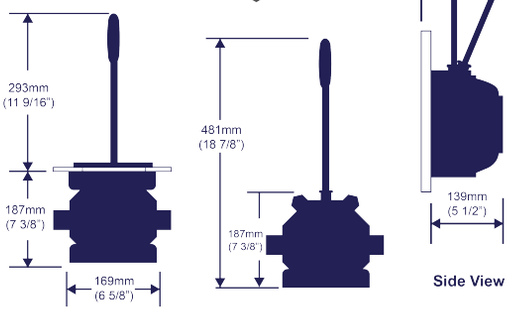
Since the 1940s Whale engineers have refined their manual bilge pump designs and completed extended life testing - the result? Whale's iconic manual bilge pump range.

This clever bilge pump design allows great versatility in installation so that you can fit the pump in the orientation to best suit your boat.

- Whale's most versatile high-performance pump design
- 3 mounting orientations: 1 pump- (on-deck, thru-deck, on-bulkhead)
- High Performance: flow rate (66 ltrs / 17.5 US gals/min)
- Reliability: non-choke valves and fully enclosed protected diaphragm
- Ease of maintenance: inspection hatch(no tools required)
- Suitable for pumping bilge water, saltwater or diesel

MODEL	DESCRIPTION	MOUNTING ORIENTATION	RANGE
BP0510	Whale Mark V Manual Bilge Pump	3 possible orientations - 1 pump	Tough and lightweight Polypropylene





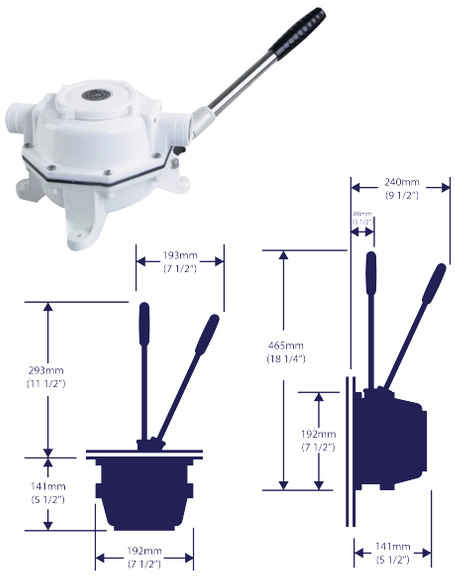
MK5 Sanitation Pump

Whale has led the way in manual diaphragm pumps for the marine world for decades.

The Mk 5 sanitation is a reliable fully housed black waste pump – reliable when you need it most

- Can be mounted in various orientations/positions
- Tough plastic housing keeps in nasty smells
- Large virtually unblockable valves
- Easy to clean (no tools required)
- High performance- 56 ltrs (14.8 US gals) per minute
- Wide hose connections for maximum performance - 38 mm (1½")
- Lightweight design for easy operation

MODEL	DESCRIPTION	MOUNTING ORIENTATION	RANGE
BP0510	Whale Mark V Manual Bilge Pump	3 possible orientations - 1 pump	Tough and lightweight Polypropylene



Gusher 10 MK3

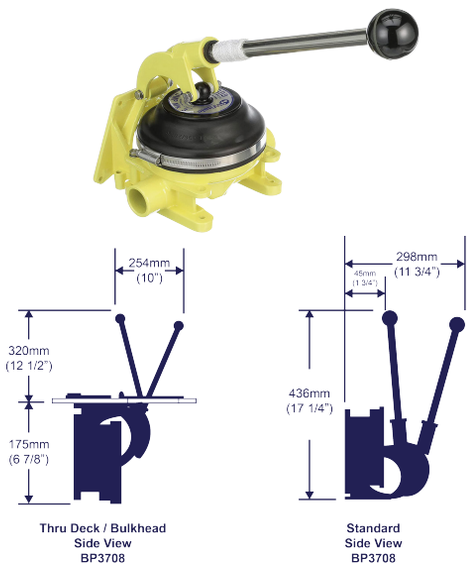
Whale's long-life diecast alloy range - robust designs for extreme conditions.

Install Gusher 10 for the long haul.

- Durable Diecast Alloy Bilge Pump
- Robust design stands up to the toughest marine conditions
- Top performance- High flow non-choke valves, 65 ltrs (17 US gals) per minute
- 3 mounting options available Bulkhead, floor, or thru deck mounting
- Designed for simple installation and maintenance
- Efficiency - Large non-choke valves
- Ideal for workboats, cruisers, offshore racing
- Easy pump action - Self-priming
- Suitable for diesel transfer with Nitrile diaphragm

(service kit AK3714 available separately)

MODEL	DESCRIPTION	MOUNTING ORIENTATION	RANGE
BP3708	Whale Gusher 10 Diecast Alloy Manual bilge Pump - ondeck/ bulkhead	On Deck / On Bulkhead	Tough diecast alloy range
BP3740	Whale Gusher 10 Diecast Alloy Manual Bilge Pump -Thru-deck/ Bulkhead	Underdeck	Tough diecast alloy range



Thru Deck / Bulkhead
Side View
BP3708

Standard
Side View
BP3708

Compac 50

Designed for confined spaces where you have limited space to fit your pump. COMPAC 50 compact design is easily installed in tight bilge spaces where other pumps simply cannot fit.

Low Profile Compact Range

Ideal for low-profile installation underdeck.

- Whale's most slim line design
- Includes sleek Whale deck plate with cover
- Tough proven reliable
- High performance
- (up to 35 ltrs / 9.2 US gals per min)
- Suitable for pumping bilge water, saltwater or diesel

MODEL	DESCRIPTION	MOUNTING ORIENTATION	RANGE
BP0350	Compac 50	Underdeck	Compact



Front View

Side View

Gusher 30

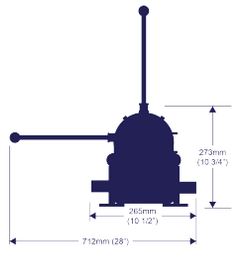
Whale's long-life diecast alloy range - robust designs for extreme conditions.

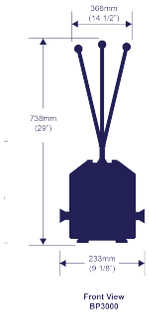
Gusher 30 is our largest capacity manual bilge pump - manufactured by hand using high-grade materials based on more than 60 years of experience.

- Largest Whale Bilge Pump
- Maximum output: delivering over 117 ltrs (31 US gals) per minute
- Efficient operation: double-acting pumps on both to and fro strokes
- Reliability under extreme conditions: Twin diaphragms ensure the pump continues working if one is damaged
- Durability: Powder-coated diecast aluminium alloy
- Pumps oily bilge water or effluent
- Safety guaranteed: keeps pumping even if one diaphragm is damaged
- No tools required for inspection and cleaning
- 3 mounting options: Available for deck, bulkhead, or underdeck (deck plate included with BP3020) mount

MODEL	DESCRIPTION	MOUNTING ORIENTATION
BP3000	Whale Gusher 30 - high capacity diecast alloy bilge pump - on deck	On Deck
BP3010	Whale Gusher 30 - high capacity diecast alloy bilge pump - on bulkhead deck	On Bulkhead
BP3020	Whale Gusher 30 - high capacity diecast alloy bilge pump - thru- deck	Thru Deck







Easybailer

The portable choice from Whale.

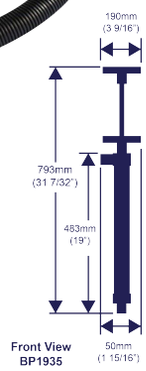
Whale's hand-held pump for easy bail out on board small boats.

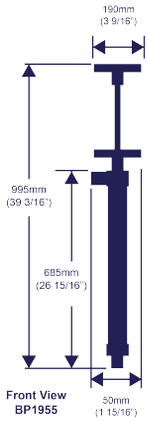
- Portable lightweight design
- Suitable for bilge water or diesel transfer
- Easy-to-use pump action handle
- Flexible hose can be easily directed to hard-to-reach bilge areas
- Available in two barrel lengths 483 mm (19") or 685 mm (27")

Longer barrel BP1955 – reaches deeper into the bilge

MODEL	DESCRIPTION	MOUNTING ORIENTATION	RANGE
N/A	Easybailer	Portable	Portable
BP1935	Easybailer - short barrel	Portable	Portable
BP1955	Easybailer - long barrel	Portable	Portable





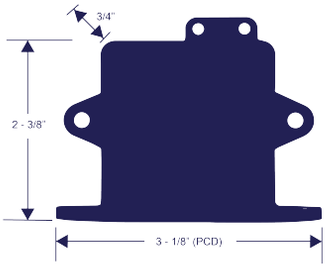


Electric Field Sensor Switch

- Electric field sensor automatically senses water levels and switches on the bilge pumps
- Nylon material - withstands high temperatures
- Automatically switches on when 51mm (2") of water is sensed and turns off when water drops below 13mm (½")
- BE9006 model - built in 30-second off delay for efficient operation, prevents cycle in small sump installations or enables lower drain than 13mm (½")

MODEL	DESCRIPTION	VOLTAGE	CURRENT	STANDBY CURRENT
BE9003	Electric Field Sensor Switch	12V d.c. or 24V d.c	Suitable up to 20 amps	0.008 amp
BE9006	Electric Field Sensor Switch with 30 second time delay	12V d.c. or 24V d.c	Suitable up to 20 amps	0.008 amp





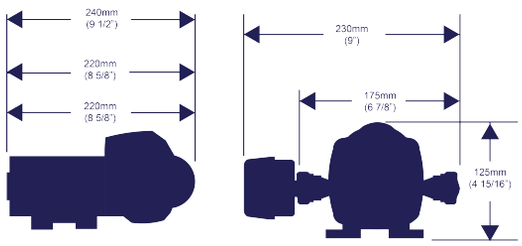
Whale Universal Pressure Pump

Whale electric galley pump range includes models with the very latest electronic technology. All pumps are manufactured from only the highest quality in-house moulded parts and robust motors.

For more than a decade we have refined our pressure pump designs to ensure long-term reliability and efficient performance.

- Runs dry without damage
- Self-priming up to 3 m (10 ft)
- Smooth constant flow- pump head contains 4 diaphragms
- Quiet operation
- Extra protection and safety with wires and pressure switch housed internally
- Inlet strainer included
- Available adaptors can connect directly to 1/2 " / 3/8" hose connections
- Universal mounting arrangement fits any existing installation
- Suitable for use with saltwater and freshwater
- Easy installation - suitable for 15mm Quick Connect plumbing direct connection
- Housed internally
- Universal mounting arrangement fits any existing installation





Side View Front View

MODEL	NAME	NO. OF OUTLETS	PUMP TYPE	VOLTAGE	PRESSURE SETTING
UF0812	Universal Freshwater Pressure Pump - 8 ltr (2.2 US gals) (1 bar 15 psi) 12 V d.c.	1 - 2	Pressure Pump	12V	Up To 1 Bar
UF1212	Universal Freshwater pressure Pump - 12 ltr (3.2 US gals) (1 bar 15 psi) 12 V d.c.	3 - 4	Pressure Pump	12V	Up To 1 Bar
UF1214	Universal Freshwater pressure Pump - 12 ltr (3.2 US gals) (2 bar 30 psi) 12 V d.c.	3 - 4	Pressure Pump	12V	Up To 2 Bar
UF0815	Universal Freshwater pressure Pump - 8 ltr (2.2 US gals) (3 bar 45 psi) 12 V d.c.	1 - 2	Pressure Pump	12V	Up To 3 Bar
UF1215	Universal Freshwater pressure Pump - 12 ltr (2.2 US gals) (3 bar 45 psi) 12 V d.c.	3 - 4	Pressure Pump	12V	Up To 3 Bar
UF1225	Universal Freshwater pressure Pump - 12 ltr (2.2 US gals) (3 bar 45 psi) 24 V d.c.	3 - 4	Pressure Pump	24V	Up To 3 Bar
UF1815	Universal Freshwater Pressure Pump - 18 ltr (4.75 US gals) (3 bar 45 psi) 12 V d.c.	5 - 6	Pressure Pump	12V	Up To 3 Bar
UF1825	Universal Freshwater Pressure Pump - 18 ltr (4.75 US gals) (3 bar 45 psi) 24 V d.c.	5 - 6	Pressure Pump	24V	Up To 3 Bar

Pump Accumulator Kit

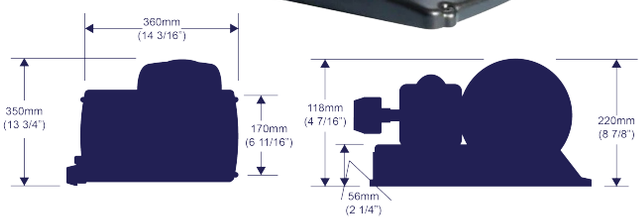
Whale electric galley pump range includes models with the very latest electronic technology. All pumps are manufactured from only the highest quality in-house moulded parts and robust motors. Smooth constant flow prevents water hammering and cycling. One piece kit includes pump and 2 ltr compact accumulator tank.

This integrated kit is a drop-into-line pre-assembled kit designed to provide a constant reliable flow of water on board.

A combined pump and accumulator tank ensure a smooth even flow of water to all outlets

• Compact design installs easily in convenient locations
• Combined pump and accumulator tank ensures a smooth even flow of water to all outlets
• Reduced noise and vibration by preventing pump cycling
• Connects directly to Whale Quick Connect 15mm plumbing system
• Can be fitted to new or existing systems
• Includes long life Whale pressure pump





MODEL	NAME	NO. OF OUTLETS	PUMP TYPE	VOLTAGE	PRESSURE SETTING
UF2214	Accumulator Kit: 3.0 GPM (11.5 ltrs), 12 V d.c., 2 bar (30 psi)	1 - 2	Pressure Pump	12V	Up To 2 Bar
UF2215	Accumulator Kit: 3.0 GPM (11.5 ltrs), 12 V d.c., 3 bar (45 psi)	3 - 4	Pressure Pump	12V	Up To 3 Bar
UF2224	Accumulator Kit: 3.0 GPM (11.5 ltrs), 24 V d.c., 2 bar (30 psi)	1 - 2	Pressure Pump	24V	Up To 2 Bar
UF2225	Accumulator Kit: 3.0 GPM (11.5 ltrs), 24 V d.c., 3 bar (45 psi)	3 - 4	Pressure Pump	24V	Up To 3 Bar

Submersible Electric Pumps

Whale electric freshwater pump range includes models with the very latest electronic technology. All pumps are manufactured from only the highest quality in-house moulded parts and robust motors.

We have developed our pump designs based on more than 60 years of expertise. Today we have used that experience to develop our most compact, quiet lightweight high performance electric impeller pumps.

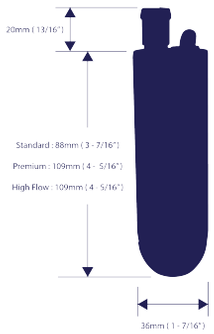
Whale's high flow rate long life submersible impeller pumps.

- Simple, compact, and an economical solution
- Long life, very quiet with low power consumption
- An inexpensive way to update a manual to an electric system

Choose the pump to suit your freshwater needs on board from 3 flow options 12 V d.c. / 24 V d.c. models available.

For best performance:
- Maximum continuous operation should not exceed 15 minutes
- Do not run the pump dry as it will cause pump damage
- Do not use to pump water that is over 60oc
- We recommend the pump stands vertically in the tank
- Before switching on, place the pump in water and shake for a few seconds to release trapped air. This will ensure successful priming and should be repeated after refilling the water tank
- Add an in-line pump into a system to boost water flow





MODEL	DESCRIPTION	PUMP TYPE	VOLTAGE
GP1652	High Flow Submersible Electric Galley Pump 16 ltrs 3.8 amps, 1.4 Bar	Submersible	12V
GP1002	Standard Submersible Electric Galley Pump 10 ltr/min, 2.4 amps .0.6 Bar, 12 V d.c.	Submersible	12V
GP1352	Premium Submersible Electric Galley Pump 13 ltr / min, 3.6 amps / 1.0 Bar 12 Vd.c.	Submersible	12V
GP1354	Premium Submersible Electric Galley Pump 13 ltr/ min, 3.6 amps / 1.0 Bar 24V d.c.	Submersible	24V

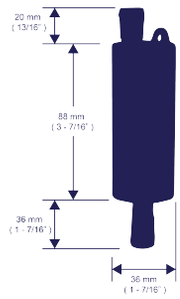
In-Line Booster Pumps

Whale electric galley pump range includes models with the very latest electronic technology. All pumps are manufactured from only the highest quality in-house moulded parts and robust motors.

We have developed our pump designs based on more than 60 years of expertise. Today we have used that experience to develop our most compact, quiet lightweight high performance electric impeller pumps. Fit in line to give your system a boost.

Whale's high flow rate long life inline impeller pumps:
- Simple, compact, and an economical solution
- Long life, very quiet with low power consumption
- An inexpensive way to enhance your water system onboard
- Chose the pump to suit your freshwater needs on board from 2 flow options
- Lightweight design
- Ideal for pumping freshwater and saltwater
- Straight-forward installation - fits unsupported into pipework
- Available in 12 and 24 V d.c. models



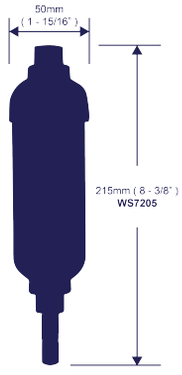


MODEL	DESCRIPTION	NO. OF OUTLETS	PUMP TYPE	VOLTAGE
GP1392	Premium Inline Pump 13 lpm 12 V d.c.	1 - 2	Inline	12V
GP1394	Premium Inline Pump 13 lpm 24 V d.c.	1 - 2	Inline	24V
GP1692	High Flow Inline Pump 16 lpm 12 V d.c.	1 - 2	Inline	12V

Surge Damper

- Helps reduce noise and pulsations in the water system
- Protects the pressure switch in pressurised systems
- Suitable for installation into soft hose system
- Supplied complete with mounting clips
- Designed to be mounted in a vertical position
- Connects directly in-line to Whale Quick Connect Plumbing





MODEL	FITTING REQUIRED	PIPE SYSTEM USED	CAPACITY	MAXIMUM PRESSURE
WS7205	Connects Directly Using Whale Quick Connect 12 mm Fittings	Quick Connect 12 mm	150 ml (1⁄4 pint)	4 bar (60 psi)
	Stainless Steel Hose Clips	10 mm (3⁄8") Flexible Hose	150 ml (1⁄4 pint)	4 bar (60 psi)

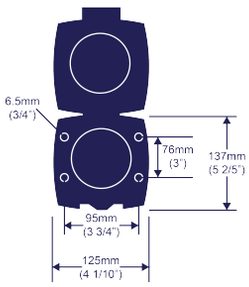
Deckplates

A Comprehensive Range Of Bilge Pump Covers

- Provides a neat cover over manual bilge pumps
- Aesthetic designs
- Manufactured from UV Stabilised plastic
- Will not fade or discolour
- Snap-shut lid remains closed when the pump is not in use

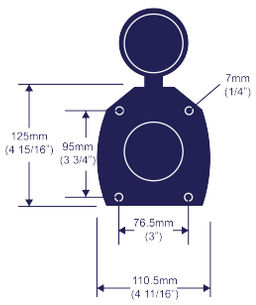
MODEL	DESCRIPTION	MATERIALS	FOR USE WITH
DP8904	Plastic 4 Hole Model	PBT	Gusher Urchin, Gusher Titan, Gusher 10
DP3804	Metal 4 Hole Model	Cast and Aluminum LM6	Gusher 10, Gusher 30 (BP3020)
DP9905	Plastic 6 Hole Deck Ring	Acetal	Mk 5 Underdeck BP0535 / MH5560
DP9906	Plastic 4 Hole Covered Model	PBT	Mk5 Universal
AS0356	Plastic 4 Hole Model	PBT	Compac 50
AS3020	Includes DP3804+ Bridge Section	Cast and Aluminum LM6	Gusher 30 (BP3020)


DP8904



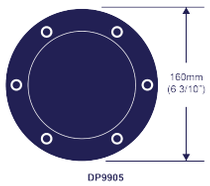
DP8904


DP3804



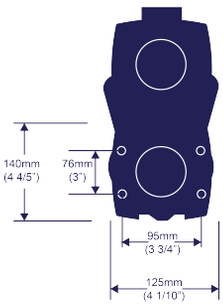
DP3804


DP9905



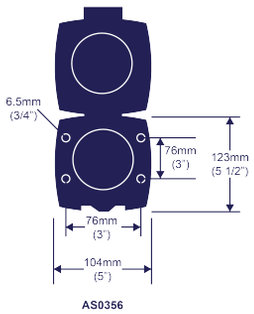
DP9905


DP9906



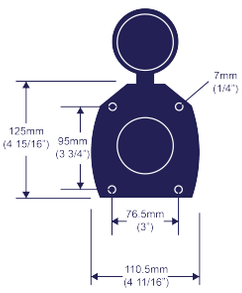
DP9906


AS0356



AS0356


AS3020



AS3020

Strum Box Strainers

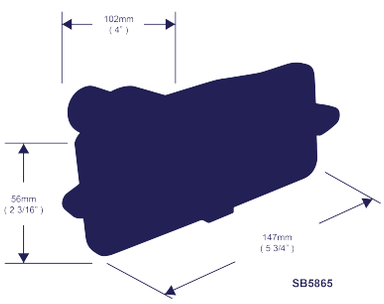
1" (25mm) / 1 1/2" (38mm) Strainers available with top or side entry.

- Ideal for use in bilge systems
- Prevents debris from entering the suction hose
- Removable straining plate for easy cleaning
- Top entry and side entry versions available
- Includes a non-return valve to prevent strain back

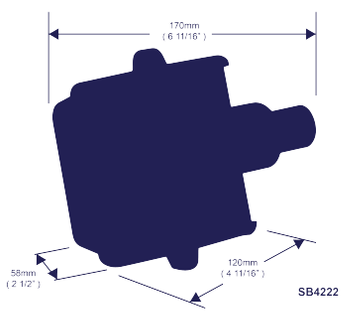
MODEL	DESCRIPTION	MATERIAL
SB5865	Top Entry Strainer	Polypropylene
SB4222	Side Entry Strainer	Polypropylene


SB5865


SB4222



SB5865



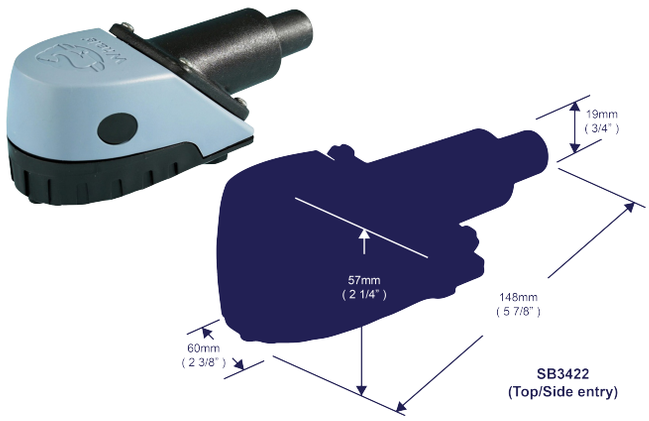
SB4222

Strainers

3/4" (19mm) Strainer with Multi-Directional Port and Non-Return Valve.

- Ideal for use with remote-mounting bilge pumps
- Easy installation
- Multi-directional port options for either top or side entry
- Non-return valve prevents backflow into the bilge
- Designed to fit deep down in the bilge

MODEL	DESCRIPTION
SB3422B	Side Entry
SB3465B	Top Entry
SB3422	Top / Side Entry



Non-Return Valves

Non-return valves fit in a pump's suction hose to aid priming and prevent the backflow of water into the bilges.

- Provide an easy way to maintain the prime in a suction or discharge line
- Designed to fit in-line
- Suitable for use with manual or electric pumps

MODEL	PIPE DIAMETER	MATERIAL
LV1215	25 mm (1") 38 mm (1 1⁄2")	Body: Glass-filled Polypropylene, Valve: Nitrile
LV1218	25 mm (1") 28 mm (1 1/8")	Body: Glass-filled Polypropylene, Valve: Nitrile
LV1219	19 mm (3⁄4") 25 mm (1")	Body: Glass-filled Polypropylene, Valve: Nitrile



Y Piece and Elbows

MODEL	DESCRIPTION	PIPE DIAMETER	MATERIAL
YP6114	Y Piece	38 mm (1 1⁄2")	Polypropylene
EB3364	Elbow	25 mm (1")	Polypropylene
EB3488	Elbow	38 mm (1 1⁄2")	Polypropylene

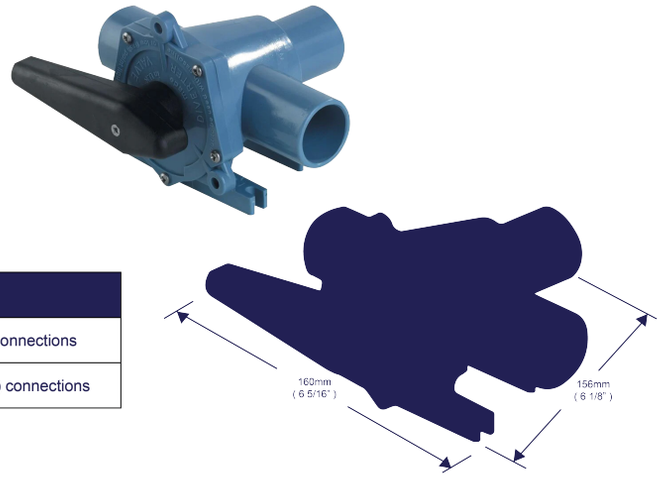


Diverter Valve

Diverter Valves allow you to divert flow to overboard or deck pumps out.

- Materials - Main Body: Acetal, Teflon, Handle PTFE polyester
- Complies with US Coast Guard rules for type III Waste systems
- Suitable for electric or manual waste management systems
- Used in bilge and toilet waste system
- Allows one pump to draw from two locations
- Divert flow to holding tank or overboard or deck pump-out

MODEL	DESCRIPTION	
DV5630	Diverter Valve	1" (25mm) connections
DV5606	Diverter valve	1 1/2" (38mm) connections



Rule Bilge Pump

Rule is the world's leading brand for submersible bilge pumps, drawing on 50 years of experience. They are constantly developing new and better solutions to help keep your bilge dry. Their new small bilge pump range provides the ultimate pumping performance, now more efficiently than ever, delivering full rated flow at just 12 volts instead of 13.6.

Features :
- Higher Flow – The optimized impeller provides greater flow at the same amperage.
- Built-In Thermal Cut-Off (TCO) – It provides added protection for the pump and vessel.
- Backflow Prevention – The non-return prevents water left in the discharge from running back, keeping bilges dryer and cleaner.
- Air Vents – Built into the body, they help prevent air locking in challenging plumbing installations.
- Ports – Pumps offer a choice of straight or 90 degree ports to suit your installation.



25DA



27DA

NOMINAL GPH/LPH	MODEL NO.	VOLTS (DC)
360 (1363)	24DA	12
500 (1893)	25DA	12
500 (1893)	25DA-24	24
800 (3028)	20DA	12
800 (3028)	20DA-24	24
1100 (4164)	27DA	12
1100 (4164)	27DA-24	24

Rule Higher Capacity Bilge Pumps

Rule's range of higher capacity standard bilge pumps are usually operated via a float switch or another level-sensing device, and give outputs from 1500 GPH (5678 LPH) to 4000 GPH (15141 LPH). Their Gold series pumps come with five-year warranties.



NOMINAL GPH/LPH	MODEL NO.	VOLTS (DC)
1500 (5678)	02	12
1500 (5678)	02-6	12
1500 (5678)	04 (Gold)	12
1500 (5678)	03	24
2000 (7570)	10	12
2000 (7570)	09 (Gold)	12
2000 (7570)	12	24
3700 (14006)	14A	12
3700 (14006)	13A (Gold)	12
3700 (14006)	16A	24
4000 (15141)	56D	12
4000 (15141)	56D-24	24

Rule LoPro Bilge Pumps

The Rule LoPro bilge pump accommodates tight spaces and shallower bilges. Multiple operational modes are available to meet your specific requirements.

The LP900S model features two automated modes. The first one engages the pump when the water level reaches your desired level of either 2" (5 cm) or 1.3" (3.25 cm); and the second one checks for water by briefly turning on the pump every 2.5 minutes.

The LP900D model has no sensors and uses a traditional float and/or panel switch for operation.



LP900S - Automatic



LP900D - Standard

Features :
- Choice of operational mode to meet your specific requirements – high or low water sensing mode or automatic timed mode
- 900 (gph) 3407 (lph)
- Compact, efficient, long-life motors with the ability to run dry for short periods
- Fail-safe backup feature
- Fully rotating discharge body to ease install
- Choice of discharge ports supplied with each pump
- Backflow prevention valve
- Horizontal or vertical mounting to accommodate your boat's bilge
- Built-in Thermal Cut-Off (TCO) provides added protection for pump and vessel
- Marine-grade blocked wiring
- Silent operation with minimal vibration
- Ignition protection
- CE and ISO 8849 certification

NOMINAL GPH/LPH	MODEL NO.	VOLTS (DC)
900 (3407)	LP900S	12
900 (3407)	LP900D	12

Rule-Mate Automated Bilge Pumps

No float switch is required. The Rule-Mate series of bilge pumps feature a solid-state water-sensing technology that eliminates the need for a separate float switch.

When water enters the bilge and reaches a certain height, 2-3/4" (70mm), a sensor turns the pump on. After the water is pumped out, another sensor shuts the pump off. The sensors' unique "field effect" technology is eco-friendly because they only sense the dielectric constant of water. In the event of an onboard oil spill, straight motor oil that enters the bilge will not turn the pump on. Please note that this is not an oil overspill system or a safety measure device.

Features and Benefits :
- All-in-one pump and switch — no float switch required.
- Pump turns on when water level rises and shuts off when water is removed.
- Will not pump oil — straight motor oil that enters the bilge will not turn the pump on.
- Snap-off strainer for easy cleaning.
- Anti-fouling impeller.
- The new Rule-Mates are available in 500, 750, 1100, 1500, and 2000 GPH (1893, 2839, 4164, 5678, and 7571 LPH) models in 12 and 24-volt versions.



500 GPH
(RM500A)



750 GPH
(RM750A)

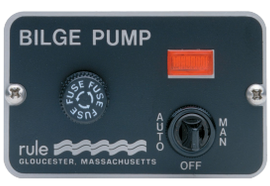


1100 GPH
(RM1100A)

CAPACITY GPH (LPH)	MODEL NUMBER	VOLTS	FUSE SIZE	AMPS @12V	AMPS @13.6V	REPLACEMENT STRAINER	HEIGHT INCHES (mm)	WIDTH INCHES (mm)	HOSE DIAMETER INCHES (mm)	PANEL SWITCHES
500 (1893)	RM500A	12DC	3	2	2.2	Model 1000864-26	4.5 (114)	6 (152)	3/4 (19)	41, 43, 45
500 (1893)	RM500A-24	24DC	1.5	1.0@24V	1.3@27.2V	Model 1000864-26	4.5 (114)	6 (152)	3/4 (19)	42, 44, 45
750 (2839)	RM750A	12DC	5	2.8	3.1	Model 1000864-26	4.5 (114)	6 (152)	3/4 (19)	41, 43, 45
750 (2839)	RM750A-24	24DC	3	1.4@24V	2.0@27.2V	Model 1000864-26	4.5 (114)	6 (152)	3/4 (19)	42, 44, 45
1100 (4164)	RM1100A	12DC	5	3.4	4	Model 1000864-26	4.5 (114)	6 (152)	1-1/8 (29)	41, 43, 45
1100 (4164)	RM1100A-24	24DC	3	1.4@24V	2.0@27.2V	Model 1000864-26	4.5 (114)	6 (152)	1-1/8 (29)	42, 44, 45
1500 (5678)	RM1500A	12DC	10	4.8	7	Model 286	6 (152)	7.25 (185)	1-1/8 (29)	41, 43, 45
2000 (7571)	RM2000A	12DC	15	12	12	Model 286	6 (152)	7.25 (185)	1-1/8 (29)	41, 43, 45
2000 (7571)	RM2000A-24	24DC	7.5	4.0@24V	6.0@27.2V	Model 286	6 (152)	7.25 (185)	1-1/8 (29)	41, 43, 45

Rule Panel Switches

These panels control pumps equipped with an automatic float switch or a float switch/pump combo. Models 41 through 45 have three switch positions: automatic, off, and manual. Model 49 is a simple, classic-looking on/off switch. Models 41, 42, 45, and 49 are enamel-coated stainless steel. Models 43 and 44 are made from an impact-resistant, UV-stabilized plastic.



41,42



43,44



45



49

MODEL NO.	DESCRIPTION	VOLTS (DC)	MAX AMPS (DC)
41	3-way panel switch - lighted	12	20
42	3-way panel switch - lighted	24-32	10 (24V), 6.5 (32V)
45	3-way panel switch	12-24-32	20 (12V), 10 (24V), 6.5 (32V)
43	3-way rocker panel switch - lighted	12	20
44	3-way rocker panel switch - lighted	24	10
49	2-way panel switch	12-24-32	20 (12V), 10 (24V), 6.5 (32V)

SuperSwitch Float Switch

Backed by a five-year warranty, the non-mercury SuperSwitch is designed for the toughest applications. The design includes marine-grade, 14 gauge blocked wire, a larger float for increased buoyancy, a removable base for easy servicing, and a snap switch design capable of handling pumps drawing up to 20 amps at 12-volt DC.



37A

Rule-A-Matic Plus Float Switch

Sleek and rugged, the Rule-a-Matic Plus Float Switch has a strong, fully integrated, and impact-resistant cover, which protects against debris and jamming. The design includes 14 gauge highly abrasive-resistant, marine-grade wire and a built-in test feature. Designed for pumps drawing up to 20 amps at 12-volt DC.



40A

Rule-A-Matic Float Switch

Year after year, the Rule-a-Matic® has been the switch of choice for boaters the world over. Our latest design now includes a removable base for easy cleaning and servicing, a mercury-free snap switch tested to over one million cycles and marine-grade blocked wire. Designed for pumps drawing up to 14 amps at 12-volt DC.

35A



High-Water Bilge Alarms

The High-Water Bilge Alarm consists of a float switch and an in-dash gauge that features both a visual and audible 85 db alarm. This unit allows an unmanned compartment to be constantly monitored. For additional compartments, add additional Rule Float Switches. Complies with CFR 182.530, which requires a visual and audible alarm in each unmanned space on commercial vessels at least 26' (7.9m) in length.



SIZE	AMP	VOLTAGE
2-1/4" x 5" x 2-1/64" (5.7 x 12.7 x 5.1cm)	For use with pumps with a current draw of up to 20 amps @ 12 volts	12V DC-32V DC

MODEL	DESCRIPTION
33ALA	12V DC
32ALA	24V DC
31ALA	32V DC
M-1507	Alarm only

ECO-Switch

The Rule ECO-Switch is an ecologically sound automatic bilge pump control switch. Featuring a non-mercury design, the pump operates with simple air pressure. As water rises in the bilge, air rises in the air tube that is attached to the switch. The air pressure activates the switch which controls your pump. All wiring is out of the water, and there are no submerged electrical connections at all. Offering complete reliability and outstanding performance, the Rule ECO-Switch offers a viable alternative to traditional float switches. For pumps drawing up to 20 amps.

39



MODEL NUMBER	DESCRIPTION	VOLTS (DC)	MAX AMPS (DC)	WIRE GAUGE	SIZE (HEIGHT X LENGTH X WIDTH) INCHES (mm)
35A	Rule-a-Matic	12, 24	14A (12V), 7A (24V)	16 AWG	2-1/4 x 5 x 1-3/4 (57 x 127 x 58)
35FA	Rule-a-Matic® with in-line fuse holder	12, 24	14A (12V), 7A (24V)	16 AWG	2-1/4 x 5 x 1-3/4 (57 x 127 x 58)
37A	SuperSwitch	12, 24, 32	20A (12V), 10A (24V), 6.5A (32V)	14 AWG	2-1/4 x 5 x 2 (57 x 127 x 51)
37FA	SuperSwitch with in-line fuse holder	12, 24, 32	20A (12V), 10A (24V), 6.5A (32V)	14 AWG	2-1/4 x 5 x 2 (57 x 127 x 51)
40A	Rule-a-Matic Plus with shield	12, 24, 32	20A (12V), 10A (24V), 6.5A (32V)	14 AWG	3 x 5-3/8 x 2-1/2 (76 x 137 x 64)
40FA	Rule-a-Matic Plus with shield and in-line fuse holder	12, 24, 32	20A (12V), 10A (24V), 6.5A (32V)	14 AWG	3 x 5-3/8 x 2-1/2 (76 x 137 x 64)
39	ECO-Switch 12 volt	12	20A	14 AWG	1-7/8 x 6 x 2-3/4 (48 x 152 x 70)
39-24	ECO-Switch 24 volt	24	10A	14 AWG	1-7/8 x 6 x 2-3/4 (48 x 152 x 70)

Tips on Selecting a Livewell Pump

A general rule of thumb is to choose a pump that provides enough flow to exchange the water in the tank 6-10 times per hour. However, livewell systems have so many variables that it's hard to calculate flow accurately. Some factors to consider are:

• Head height
• Angles or elbows
• Fittings
• Spray nozzles
• Other restrictors in the system

The easiest way to check if you have enough flow is to mount a Series 500 Livewell Pump in the vessel, as low and close to the hull as possible, and have a Series 800 Livewell Pump cartridge on hand.

Starting with an empty tank, turn on the pump and time how long it takes to fill. If it takes between 6 and 10 minutes, it's good. If it takes less than 6 minutes, there's too much water flowing through the tank, which could damage the bait. Try using a valve to restrict the flow.

If it takes longer than 10 minutes, repeat the test with the Series 800 cartridge. The 500 and 800 GPH pumps use the same base assembly and plumbing, so there's no need to change the base. If the Series 800 still won't fill the tank in less than 10 minutes, you might need the Series 1100, or even the Series 1600.

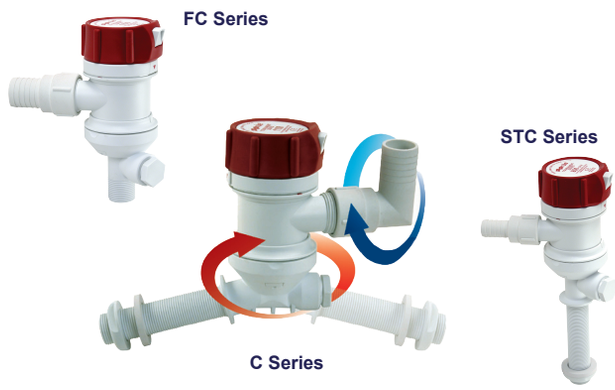
However, note that bigger is not necessarily better. Too much pump capacity could create airlocks and damage delicate bait. Also, be careful with aggressive, high-speed water intake scoops. They can damage the pump.

Rule Tournament Series Livewell Pumps

Keep your tournament-sized catches alive and fresh until you get back to shore. Outfit your fishing vessel's livewell and baitwell with efficient, sturdy, reliable Rule and Jabsco pumps and motors.

Features :
- Accommodates flow rates from 500 to 1600 GPH (1895 to 6056 LPH)
- Quick, one-hand, push-button motor cartridge removal system*
- Rotatable base allows discharge nozzle to be positioned in any location*
- Threaded nylon hose barb attachments for various hose mounting options*
- Built-in dual port option
- Water-cooled housing
- Positive snap motor cartridge locking mechanism*

*500-1100 GPH models only



MODEL NO.	CAPACITY	DESCRIPTION
401C	500 GPH (1893 LPH)	Through-hull applications requiring an angled pickup tube, 4" (100mm) long straight thread
401STC	500 GPH (1893 LPH)	Through-hull applications requiring a straight pickup tube, 4-3/4" (121mm) long straight thread
401FC	500 GPH (1893 LPH)	Seacock-mounted applications requiring a 3/4" (19mm) NPT tapered thread
403C	800 GPH (3028 LPH)	Through-hull applications requiring an angled pickup tube, 4" (100mm) long straight thread
403STC	800 GPH (3028 LPH)	Through-hull applications requiring a straight pickup tube, 4-3/4" (121mm) long straight thread
403FC	800 GPH (3028 LPH)	Seacock-mounted applications requiring a 3/4" (19mm) NPT tapered thread
405C	1100 GPH (4164 LPH)	Through-hull applications requiring an angled pickup tube, 4" (100mm) long straight thread
405STC	1100 GPH (4164 LPH)	Through-hull applications requiring a straight pickup tube, 4-3/4" (121mm) long straight thread
405FC	1100 GPH (4164 LPH)	Seacock-mounted applications requiring a 3/4" (19mm) NPT tapered thread

Rule Tournament Series 1600 Livewell Pumps

Designed for the toughest applications, the 1600 GPH (6057 LPH) model is the highest capacity Livewell Pump on the market. It features a bronze base, an anti-airlock feature, and a heavy-duty, long-life motor.

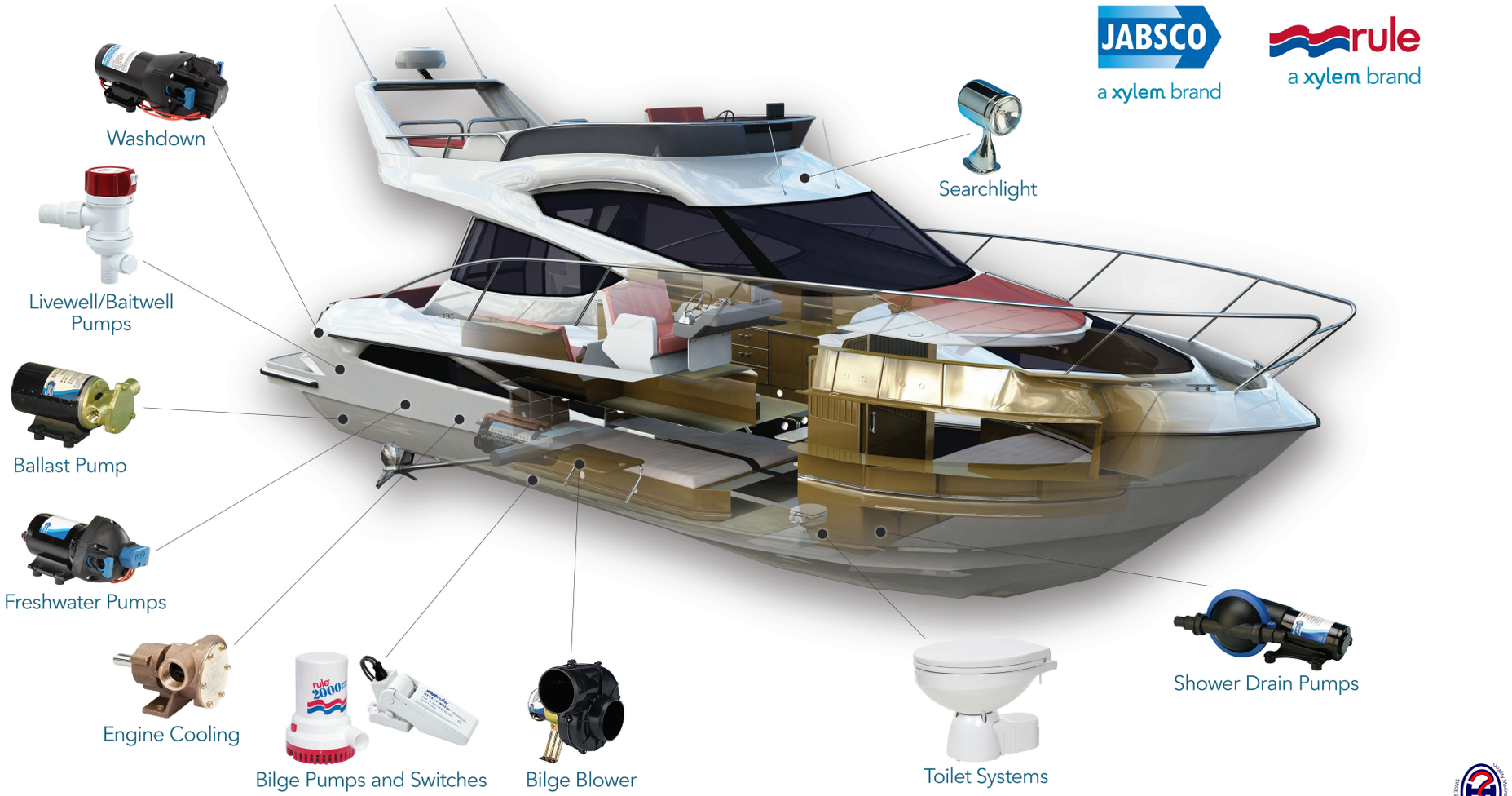
MODEL NO.	VOLTS (DC)
209B	12
209FDP	12, dual port



209B



209FDP


JABSCO
a xylem brand
rule
a xylem brand
Washdown
Livewell/Baitwell Pumps
Ballast Pump
Freshwater Pumps
Engine Cooling
Bilge Pumps and Switches
Bilge Blower
Searchlight
Toilet Systems
Shower Drain Pumps

Jabsco Bilge Pumpgard™ Strainers

The Pumpgard™ protects electric diaphragm bilge pumps from particles in the water. Its transparent housing allows instant inspection and quick, in-place cleaning.

Features :
- Prevents unnecessary pump breakdowns caused by particles in the water
- Operates in any position
- Corrosion-resistant materials throughout

MODEL NO.	DESCRIPTION
46200-0000	3/4" (19mm) ID hose
46200-0010	3/4" (19mm) ID hose x plug-in 90°



46200-0000

Jabsco Non-Return Valves

Jabsco Non-Return Valves help to prime and prevent backflow of water into the bilge. Three sizes are available, for 3/4", 1", and 1-1/2" (19mm, 25mm, and 38mm) hoses.

MODEL NO.	DESCRIPTION
29295-1011	3/4" (19mm) hose
29295-1000	1" (25mm) hose
29295-1010	1-1/2" (38mm) hose



Jabsco Amazon Bilge Strainers

Jabsco Amazon Bilge Strainers keep bilge debris from blocking the pump. Non-return valves prevent the backflow of water into the bilge. Outlet ports can be positioned from horizontal to vertical. Strainers are available for 3/4", 1" and 1-1/2" (19mm, 25mm and 38mm) hoses.

Features :
- Prevents unnecessary pump breakdowns caused by particles in the water
- Operates in any position
- Corrosion-resistant materials throughout

MODEL NO.	DESCRIPTION
29290-1020	3/4" (19mm) hose
29290-1000	1" (25mm) hose
29290-1010	1-1/2" (38mm) hose



Vacuum Switch

Protects any 12V or 24V DC electric or electromagnetic clutch bilge pump up to 15 amp from dry running drainage — especially flexible impeller designs.

- Manual start, automatic stop — remote start possible.
- Vacuum sensor shuts off power to pump motor or clutch when bilges are clear.
- Simply mounts between bilges and pump.
- Some Jabsco pumps have an integral mounting point.



WARNING
Jabsco Vacuum Switch is not ignition protected.
Do not install where flammable vapors are present.

MODEL	DESCRIPTION	FITTING	SIZE	WEIGHT
4732-0000	Vacuum Switch	Connection for 1/4" (6mm) female thread and supplied with 1/4" (6mm) close nipple. Suitable for 12 and 24 volt DC; 220 volt AC, up to 15 amp; 110 volt AC up to 10 amp. For remote start, install 15 amp push button next to Master Switch.	4" diameter x 3-1/2" high (11cm x 9cm)	1.5lb (0.7kg)

Pressure Controlled Diaphragm Pumps

Pressure-controlled diaphragm pumps provide boat owners with a freshwater system that is as easy to use as their domestic water supply — with the versatility to offer full flow or a trickle. The pump is controlled by a switch that senses the pressure drop when a faucet is opened and activates the pump; it turns off when the system pressure builds to a pre-set limit as the faucet is closed. This system allows any type of faucet or shower valve to be fitted, from a 3/8” (10mm) bore for minimum water use to a 1/2” (13mm) bore for maximum flow. Choosing the pump for your needs is simple — just check your system size and the number of outlets you need to operate simultaneously and select the appropriate pump. Diaphragm pumps are self-priming, quiet in operation, and can run dry for extended periods.

It is always best to turn the pump off and then open a tap to de-pressurize the system when you are not using the boat, as this will prolong pump life.



Par-Max 1

Miniature multi-outlet water pressure pump serves one or two 3/8” (10mm) outlets at any one time.

*Par-Max 1 with faucet no longer offered

- Self-priming up to 6’ (1.8m).
- Dual diaphragm operation.
- Thermal overload protection automatically stops the motor should it overheat due to overload, with an auto restart feature.
- Diaphragm design allows dry running.
- Pressure switch cut-in at 22 psi (1.5 bar), cut-out at 35 psi (2.4 bar).
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).



MODEL NAME	MODEL NO.	OUTLETS	VOLTS (DC)	PRESSURE CUTOFF
PAR-Max 1	42630-3512-3C	1-2	12	35 psi (2.4 bar)

Par-Max 2

Features :
- Accommodating flows from 1 GPM (3.8 LPM) to 6 GPM (22.7 LPM)
- Co-molded diaphragm technology ensures long life and durability
- Heavy duty (HD) models feature motors and cast aluminum lower housings for longer life even at high pressures
- Efficient and quiet operation and no vibration thanks to dampening mounting feet
- Integrated, sealed pressure switch for on-demand operation
- Versatile installation thanks to its self-priming capability
- Running dry without damage
- Quick-connect ports make for easy installation and servicing
- Reduced cycling and smoother flow thanks to the integrated bypass module



Model No.	Description	Open Flow	Voltage Options	Pressure Switch Options
31295-3512-3A	Par-Max 2	2 GPM	12 VDC	35 PSI
31295-3524-3A	Par-Max 2	2 GPM	24 VDC	35 PSI

Par-Max 3

Features :
- Accommodating flows from 1 GPM (3.8 LPM) to 6 GPM (22.7 LPM)
- Co-molded diaphragm technology ensures long life and durability
- Heavy duty (HD) models feature motors and cast aluminum lower housings for longer life even at high pressures
- Efficient and quiet operation and no vibration thanks to dampening mounting feet
- Integrated, sealed pressure switch for on-demand operation
- Versatile installation thanks to its self-priming capability
- Running dry without damage
- Quick-connect ports make for easy installation and servicing
- Reduced cycling and smoother flow thanks to the integrated bypass module



MODEL	DESCRIPTION	Open Flow	Voltage Options	Pressure Switch Options
31395-2512-3A	Par-Max 3	3 GPM	12 VDC	25 PSI
31395-2524-3A	Par-Max 3	3 GPM	24 VDC	25PSI
31395-4012-3A	Par-Max 3	3 GPM	12 VDC	40PSI
31395-4024-3A	Par-Max 3	3 GPM	24 VDC	40PSI

Par-Max HD4

Multi-outlet water pressure pump serves four or more 1/2" (13mm) outlets at any one time. Snap-fit ports simplify both installation and removal for routine service.

- 4.3 GPM (16.3 LPM) open flow output.
- Self-priming up to 10' (3m).
- Four-piston diaphragm sealed for smooth and quiet operation.
- Thermal overload protection automatically stops the motor should it overheat due to overload, with an auto restart feature.
- Diaphragm design allows dry running.
- Pressure switch cut-in at 10 psi (0.7 bar), cut-out at 25 psi (1.7 bar), low pressure, or cut-in at 20 psi (1.4 bar), cut-out at 40 psi (2.8 bar), high pressure.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).



Model No.	Description	Open Flow	Voltage Options	Pressure Switch Options
Q401J-112S-3A	PARMAX HD4 12V 4GPM 25PSI	4GPM	12VDC	25PSI
Q401J-115S-3A	PARMAX HD4 12V 4GPM 40PSI	4GPM	12VDC	40PSI
Q401J-118S-3A	PARMAX HD4 12V 4GPM 60PSI	4GPM	12VDC	60PSI
Q402J-112S-3A	PARMAX HD4 24V 4GPM 25PSI	4GPM	24VDC	25PSI
Q402J-115S-3A	PARMAX HD4 24V 4GPM 40PSI	4GPM	24VDC	40PSI
Q402J-118S-3A	PARMAX HD4 24V 4GPM 60PSI	4GPM	24VDC	60PSI

Jabsco Pressurized Accumulator Tanks

Available in 21-ounce (0.5 liters), 1 quart (1 liter), and 2-gallon (8 liters) sizes, each Jabsco Accumulator Tank holds a reservoir of air and water that acts as a cushion, smoothing the water flow and keeping the system quiet. This allows the pump to reduce the on/off cycle and offers better control of the hot and cold water pressure balance.

MODEL NO.	CAPACITY	MAX. PRESSURE
30573-0003	21 oz (0.5L)	125 psi (8.6 bar)
30573-0000	1 qt (1L)	125 psi (8.6 bar)
18810-0000 (US)	1.8 gal (6.8L)	75 psi (5.2 bar)
23240-2000 (EU)	2 gal (8L)	140 psi (10 bar)

30573-0003



30573-0000





23240-2000 (EU)



18810-0000 (US)

Jabsco Diesel Refueling Pumps

These rugged Jabsco units range in pumping capacity from a reliable 9 GPM (35 LPM) to a mighty 26 GPM (100 LPM). All three are rated for continuous operation, and are widely used in the demanding off-road construction sector, so reliability is assured.

9 GPM (35 LPM) DIESEL REFUELING PUMP

MODEL NO.	VOLTS (DC)
23870-1200	12
23870-1300	24

13 GPM (50 LPM) DIESEL REFUELING PUMP

MODEL NO.	VOLTS (DC)
VR050-1022	12
VR050-1122	24

26 GPM (100 LPM) DIESEL REFUELING PUMP

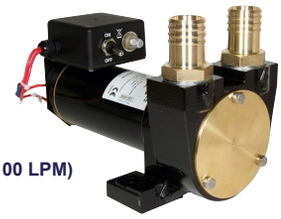
MODEL NO.	VOLTS (DC)
VR100-1122	12

9 GPM (35 LPM)



13 GPM (50 LPM)





26 GPM (100 LPM)

Jabsco Little Pal and Handy Boy Manual Utility Pumps

These compact brass hand pumps are designed to drain oil from engines and gearboxes. The Little Pal produces up to 1 GPM (4 LPM) output, while the Handy Boy gives up to 1.5 GPM (6 LPM). Both come equipped with hoses, connectors, and dipstick probes for various requirements.

MODEL NO.	HOSE PORT	LENGTH
34060-0010	1/2" hose barb	10.25"
34060-0130	GHT inlet x 1/2" hose barb	10.25"
33799-0000	1/2" hose barb	12"
33760-0000	1/2" hose barb	17"
33745-0000	1" hose barb	22.5"

34060-0010
Little Pal



Jabsco Mini Puppy

Designed for permanent, onboard installation, the Mini Puppy will empty oil sumps into a suitable container. With up to 1.4 GPM (5.3 LPM) output, it's self-priming up to 5' (1.5m), and it's simple to service.

MODEL NO.	VOLTS (DC)
23620-4003	12
23620-4103	24



1.4 GPM (5.3 LPM)

Jabsco Oil Change Pump

This powerful, stand-alone pump can service a typical V8 engine in just minutes. It's the same high-quality pump used in the Jabsco multi-engine Oil Changer System.

Flow rate: 6.3 gallons/min (24 Litres/min)
Self-priming from dry up to 1.2m (4ft)

Features :
- Small bilge debris presents no problem to these bronze-bodied, flexible impeller pumps
- Simple design means fewer wearing parts
- ISO 8846 MARINE (Ignition protection)
- ISO 8849 MARINE (Bilge pump standard)



3 GPM (11.3 LPM)

MODEL NO.	VOLTS (DC)
17830-0012	12
17830-0024	24

Jabsco Permanent Mount Oil Changer System

This system consists of a robust, self-priming flexible impeller pump mounted to an easy-to-install base, and coupled to a five-port manifold. Factory-fitted with three full-flow ball valves, it allows one system to perform oil changes on two engines and a generator.



MODEL NO.	VOLTS (DC)
17820-0012	12
17820-0024	24

Jabsco Ballast Puppy

Without a doubt, this is the most popular wakeboard ballast pump in history. Its success is for good reason; the reversible design simplifies installation and reduces the number of components required. Its track record proves that it's a fast, efficient, reliable performer. With a flow rate of 9 GPM (34 LPM), it can quickly add up to 80 pounds (40 kgs) of water per minute to ballast tank systems. The Ballast Puppy is reversible, so it can both fill and empty ballast tanks. It's self-priming and therefore will not airlock.

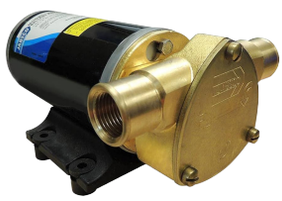


Features :
- Adds approx 80lbs (36kgs) of ballast per minute
- Reversible to both fill and empty tanks
- Simple design means fewer wearing parts
- ISO 8846 MARINE (Ignition protection)

MODEL NO.	DESCRIPTION
18220-1127	12V, includes reversing switch
18220-2127	12V, pump only

Jabsco Ballast King

This is the higher-flow version of the Ballast Puppy. Featuring a larger motor, the Ballast King will pump up to 15 GPM (57 LPM), which will add up to 125 pounds of ballast water per minute. It's reversible, so it can both empty and fill ballast tanks. It's self-priming and the impeller is run dry.



MODEL NO.	DESCRIPTION
22610-9507	12V, includes reversing switch
22610-9007	12V, pump only

Jabsco Cyclone Centrifugal Pumps

This long-life, continuously rated centrifugal pump delivers high flows up to 29 GPM (110 LPM) with a maximum pressure of 8.7 psi (0.6 bar). The Low Pressure Cyclone is ideal for hot water circulation duties such as engine cooling and central heating systems.



Features :
- Accommodates flow rates from 13 GPM (50 LPM) to 29 GPM (110 LPM)
- Long-life DC motor and industrial-grade mechanical seal
- Heavy-duty, 316 stainless-steel wet end components with anti-clog impeller design
- Single tool servicing
- Extended life motor bearings
- ISO 8846 MARINE and USCG Regulations for Ignition Protection
- ISO 8849 MARINE Bilge Pump Standard

MODEL NO.	DESCRIPTION
50840-0012	12V, 3/4" NPT connections
50840-0024	24V, 3/4" NPT connections
50840-2012	12V, 3/4" BSP connections
50840-2024	24V, 3/4" BSP connections

Jabsco High Pressure Cyclone Centrifugal Pumps

The High Pressure Cyclone is a long-life pump that delivers flows of up to 21 GPM (80 LPM) and pressures up to 17 psi (1.2 bar), making it ideal for general transfer and circulation duties for water and mild chemicals where more restrictions are present. It can be used in conjunction with trigger nozzles.



MODEL NO.	DESCRIPTION
50860-0012	12V, 3/4" NPT connections
50860-0024	24V, 3/4" NPT connections
50860-2012	12V, 3/4" BSP connections
50860-2024	24V, 3/4" BSP connections

Jabsco Magnetic Drive Circulation Pumps

Small, compact, and specifically designed for circulation duties, this continuously rated pump provides trouble-free operation. Applications include hot water circulation and raw water cooling.

59520



59510



59530



MODEL NO.	DESCRIPTION
59510-0012	12V, 3.3 GPM (12.5 LPM)
59520-0000	8-24V, up to 5.5 GPM (21 LPM)
59530-0000	8-24V, 5.5 GPM (21 LPM)

Jabsco Fish Box Evacuation Pump

This pump easily passes debris such as bait residue, fish scales and ice particles, which are often left in the box after a day of fishing.

Features :
- Flexible installation
- No filter required
- Compact and simple design
- 12v and 24v variants
- Dry running capability
- Connections for 38mm (11/2") ports
- Up to 19 lpm (5 US gpm) flow
- Relevant Standards: ISO 8846 MARINE and USCG Regulations for Ignition Protection
- Meets BSEN 50081 (Electro Magnetic Compatibility)

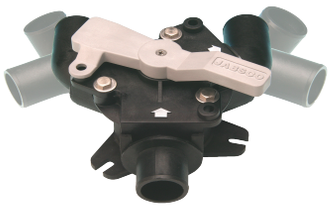


MODEL NO.	VOLTS (DC)	DESCRIPTION
50900-1000	12	1" (25mm) and 1-1/2" (38mm) hose barb discharge
50900-1100	24	

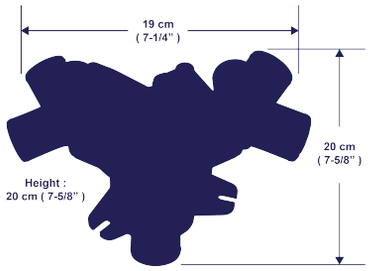
Y-Valve

Robust Y-Valve for use in bilge applications. Allows two bilge sections to be emptied by one pump.

- Rotating ports allow routing of hoses onto the valve from almost any direction.
- Can be operated through bulkhead by use of optional handle extension.
- Waste and corrosion-resistant construction throughout.
- Can be padlocked.



MODEL	DESCRIPTION	FITTING	SIZE	WEIGHT
45490-1000	Y-Valve	Connections for two 1-1/2" (38mm) ports and extra 1" (25mm) straight inlet port	7-5/8" long x 7-1/4" wide x 4-5/8" high (20cm x 19cm x 12cm)	2lb (0.9kg)



45500-1000 : Handle Extension Kit | 45493-0000 : Replacement Handle
18753-0661 : Replacement Ports Kit | 45488-0000 : Service Kit

Aqua Filta

Aqua Filta adsorbs dissolved impurities, freshening, and cleansing water to make it natural tasting, sweet-smelling, and crystal clear.

- Screw-on cartridge is replaced annually, or sooner if necessary, at half the cost of replacement filters.
- Over 200g of silver-impregnated activated carbon.
- Beneficial mineral salts are retained.
- Ports accept fitting to either 1/2" (13mm) ID hose or 1⁄2" (13mm) screw-in fittings for polybutylene or copper plumbing.
- Initial flow capacity up to 3.7 GPM (14 LPM).
- Tough molded components give ample pressure capability, up to 60 psi (4.2 bar).



MODEL	DESCRIPTION	FITTING	SIZE	WEIGHT
59000-1000	Aqua Filta	Connections for 1/2" (13mm) ID hose, 5/8" (15mm) Hep20 and Acorn fittings, 5/8" (15mm) John Guest speedfit and Whale system 15 fittings, and 1/2" (13mm) BSP female threaded fittings.	4" wide x 9" high x 5-1/2" deep (10cm x 23cm x 14cm)	1.1lb (0.5kg)

59000-0000 : Replacement Filter Cartridge

MARCO

UP2/E Electronic Water Pressure System 10 l/min

Self-priming automatic electric pump with helical PEEK gears, integrated check valve and electronic control. Nickel-plated brass body and stainless-steel shaft. Main applications: fresh water pressure systems and shower kits on boats, rubber dinghies, sailing boats and campers.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Flow Rate (l/m)	Pressure (bar)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16466015	UP2/E	12/24	3 / 1,5	7,5	1,5	10	2	3/8"	12	67	90	1,3

UP3/E Electronic Water Pressure System 15 l/min

Self-priming automatic electric pump with helical PEEK gears, integrated check valve and electronic control. Nickel-plated brass body and stainless-steel shaft. Main applications: fresh water pressure systems and shower kits on boats, rubber dinghies, sailing boats and campers.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Flow Rate (l/m)	Pressure (bar)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16460215	UP3/E	12/24	6 / 3	15	1,5	15	2,5	3/8”	13	67	150	2

UP6/E Electronic Water Pressure System 26 l/min

Self-priming automatic electric pump with helical PEEK gears, integrated check valve, and electronic control. Nickel-plated brass body and stainless-steel shaft. Main applications: fresh water pressure systems and shower kits on boats, rubber dinghies, sailing boats, and campers. Available also with a control panel.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Flow Rate (l/m)	Pressure (bar)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16462213	UP6/E	24	5	10	1,5	26	3,5	1/2”	16	67	180	3,7
16462215	UP6/E	12/24	10 / 5	20	1,5	26	2,5	1/2”	16	67	180	3,7

UP3/OIL Gear Pump for Lubricating Oil

Self-priming electric pumps with helical bronze gears for transferring lubricating oils and viscous liquids. Nickel-plated brass body and stainless-steel shaft. It is particularly suitable for draining engine sumps with the special tube kit (OK1) and engine lubricating operations.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Pressure (bar)	Flow Rate ø 6 (l/m)	Flow Rate ø 8 (l/m)	Flow Rate ø 13 (l/m)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16402012	UP3/OIL	12	5	7,5	1,5	3,5	0.3	1	5.5	3/8”	13	67	90	1,4
16402013	UP3/OIL	24	3	4	1,5	2,5	0.3	1	5.5	3/8”	13	67	90	1,4

OCK1 Oil Change Kit

Compact size oil change kit. Easy to operate and carry. Reversible: draws and fills oil. Complete with bronze gear pump, clips, fuse, hoses and accessories for transferring operations. Available also with electronic control panel and 12/24V universal voltage.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Pressure (bar)	Flow Rate ø 6 (l/m)	Flow Rate ø 8 (l/m)	Flow Rate ø 13 (l/m)	Ports (BSP)	Hose (ID) (mm)	Motor Power (W)	Weight (kg)
16493012	OCK1	12	6	10	1	2	0.3	1	5,5	3/8”	13	90	1,7
16493013	OCK1	24	3	5	1	2	0.3	1	5,5	3/8”	13	90	1,7

UP14/E Electronic Water Pressure Pump 46 l/min

Self-priming automatic electric pump with helical PEEK gears, integrated check valve and electronic control. Nickel-plated brass body and stainless-steel shaft. Main applications: fresh water pressure systems and shower kits on boats, rubber dinghies, sailing boats and campers. PCS control panel included.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Flow Rate (l/m)	Pressure (bar)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16469013	UP14/E	24	9	15	3	46	3,5	3/4”	19	67	400	5,2
16469015	UP14/E	12/24	18 / 9	30	3	46	2,5	3/4”	19	67	400	5,2

UP12/E Electronic Water Pressure System 36 l/min

Self-priming automatic electric pump with helical PEEK gears, integrated check valve and electronic control. Nickel-plated brass body and stainless-steel shaft. Main applications: fresh water pressure systems and shower kits on boats, rubber dinghies, sailing boats and campers.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Flow Rate (l/m)	Pressure (bar)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16468113	UP12/E	24	7	15	3	36	3,5	1/2”	16	67	360	4,9
16468115	UP12/E	12/24	14 / 7	25	3	36	2,5	1/2”	16	67	360	4,9

UP3-P PEEK Gear Pump 15 l/min

Self-priming electric pumps with PEEK gears, complete with in-line filter. Nickel-plated brass body with stainless steel shaft. Main applications: transfer of water and liquid additives for engines.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Flow Rate (l/m)	Pressure (bar)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16400212	UP3-P	12	6	10	1,5	15	2	3/8”	13	67	120	1,6
16400213	UP3-P	24	3	5	1,5	15	2	3/8”	13	67	120	1,6

UP6-P PEEK Gear Pump 26 l/min

Self-priming electric pumps with PEEK gears, complete with in-line filter. Nickel-plated brass body with stainless steel shaft. Main applications: bilge service, transfer of water.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Flow Rate (l/m)	Pressure (bar)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16406512	UP6-P	12	10	15	1,5	26	2	1/2”	16	67	180	3,1
16406513	UP6-P	24	5	7,5	1,5	26	2	1/2”	16	67	180	3,1

UP14-P PEEK Gear Pump 46 l/min

Self-priming electric pumps with PEEK gears. Nickel-plated brass body with stainless steel shaft. Main applications: bilge service, transfer of water.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Flow Rate (l/m)	Pressure (bar)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16450212	UP14-P	12	16	30	3	46	2	3/4”	19	67	400	5
16450213	UP14-P	24	8	20	3	46	2	3/4”	19	67	400	5

UP6 bronze Gear Pump 26 l/min

Self-priming electric pumps of small dimensions with bronze gears for transferring liquids. Pump body in nickel-plated brass and stainless-steel shaft. Main applications: transfer of diesel fuel, antifreeze.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Flow Rate (l/m)	Pressure (bar)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16406012	UP6	12	10	15	2	26	2	1/2”	16	67	180	3,2
16406013	UP6	24	5	7,5	2	26	2	1/2”	16	67	180	3,2

UP6/OIL Gear Pump for Lubricating Oil

Self-priming electric pumps with helical bronze gears for transferring lubricating oils and viscous liquids. Nickel-plated brass body and stainless-steel shaft. It is particularly suitable for draining engine sumps with the special tube kit (OK1) and engine lubricating operations.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Pressure (bar)	Flow Rate ø 6 (l/m)	Flow Rate ø 8 (l/m)	Flow Rate ø 13 (l/m)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16408012	UP6/OIL	12	7	10	1,5	5	0,42	1,2	8	3/8”	13	67	180	2,5
16408013	UP6/OIL	24	4	7,5	1,5	5	0,42	1,2	8	3/8”	13	67	180	2,5

UP12/OIL Gear Pump for Lubricating Oil

Self-priming electric pumps with helical bronze gears for transferring lubricating oils and viscous liquids. Nickel-plated brass body and stainless-steel shaft.
It is particularly suitable for draining engine sumps and for engine lubricating operations.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Pressure (bar)	Flow Rate ø 12 (l/m)	Flow Rate ø 16 (l/m)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16432012	UP12/OIL	12	11	15	2	3	6	15	1/2”	16	67	180	4,5
16432013	UP12/OIL	24	6	7,5	2	3	6	15	1/2”	16	67	180	4,5

UP8-RE reversible electronic pump 10 l/min with flow regulation

Heavy duty Electronic Gear pump 10 l/min and 3,5 bar. Integrated Smart Keypad to reverse the flow direction and to manually fine-tune the flow rate; the flow rate is also automatically adjusted according to the viscosity of the fluid to avoid cavitation. Best for oil and diesel transferring. Compact and Easy to operate and carry.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Flow Rate (l/m)	Pressure (bar)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16409515	UP8-RE	12/24	4	15	1,5	10	3,5	3/8”	13	67	150	2,2

UP1-J Pump, Rubber Impeller 28 l/min

Self-priming electric pump with rubber impeller. Fitted with a waterproof cable guide and an internal brush holder with an EMI filter. ISO 8846 and ISO 8849. Ideal for bilge and waste water on any type of boat.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Flow Rate (l/m)	Pressure (bar)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16200412	UP1-J	12	8	10	1,5	28	1	3/8”	20	67	150	1,8
16200413	UP1-J	24	4	7,5	1,5	28	1	3/8”	20	67	150	1,8

UP1 Pump Rubber Impeller 35 l/min

Self-priming electric water pumps with self-lubricating flexible impeller for prolonged service life and better performance. Nickel-plated brass body with stainless steel shaft.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Flow Rate (l/m)	Pressure (bar)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16200212	UP1	12	10	20	1,5	35	1,2	1/2”	25	67	180	2,9
16200213	UP1	24	5	15	1,5	35	1,2	1/2”	25	67	180	2,9

UP1-M Pump, Rubber Impeller 45 l/min

Self-priming electric pump with self-lubricating rubber impeller. Now available in 3 different flow rates: 25, 35 and 45 Liters/minute. Fitted with waterproof cable guide and internal brush holder with EMI filter. ISO 8846 and ISO 8849. Ideal for bilge and waste water on any type of boat.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Flow Rate (l/m)	Pressure (bar)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
16200612	UP1-M	12	14	20	1,5	45	1,5	1/2”	25	67	168	4,1
16200613	UP1-M	24	7	15	1,5	45	1,5	1/2”	25	67	168	4,1

PCS Control Panel for Electronic Pumps

The control panel for electronic pumps allows one to remotely monitor the operation of the pump and interact with it. It is possible to see when the pump is On and if there is still liquid to be transferred. Moreover, in case of arrest due to the end of liquid or overload, you can reset the alarm and restart the system without having to turn off the power. Finally, you can turn off and on the pump with the simple push of a button. The panel can be mounted or recessed in a circular hole of diameter 70 mm, or with external mounting by fixing the provided square box with two screws. To operate simply connect the pump with the 3m cable supplied or another 4-wire phone cord and double-ended RJ11 / 6. In the back there is a terminal block that allows you to replicate the buttons and LEDs of the panel on an external circuit: this allows you to individually control the features on the dashboard or in a device designed by third parties.



Part No.	Product Name	Voltage (V)	Bore (mm)	Connector	IP Protection	Dimensions (mm)
16520315	PCS	12/24	70	RJ11	65	80 x 80 x 46

SCS 12/24V Speed Control System for Electronic Pumps

With the control panel for electronic pumps, it is possible to monitor the operation of the pump (run/fail / power/flow and low/high speed) and activate its main functions: on / off, error reset, low speed, and high speed. With subsequent low/ high button pressures, the best speed can be set based on the viscosity of the transferred liquid. For operation, simply connect the panel to the pump with the supplied 3 m cord or other 4-wire telephone cable and double termination RJ11 / 6. The terminal block on the rear allows control of the pump using external buttons and LEDs.



Part No.	Product Name	Voltage (V)	Bore (mm)	Connector	IP Protection	Dimensions (mm)
16520415	SCS	12/24	70	RJ11	65	80 x 80 x 46

UP3/AC Gear Pump

Self-priming electric pump for transferring diesel and viscous liquids. Brass gears, the pump body and connections in nickel-plated brass, shaft in stainless steel. Seal in FKM and O-ring in NBR.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Self-Priming (m)	Flow Rate (l/m)	Pressure (bar)	Ports (BSP)	Hose (ID) (mm)	IP Protection	Motor Power (W)	Weight (kg)
1640011B	UP3/AC	110V-60Hz	1,9	4	1,5	12	6	3/8”	13	55	150	4,6
1640011C	UP3/AC	230V-50Hz	0,8	2	1,5	10	6	3/8”	13	55	150	4,6

UP3700 Submersible Pump 230 l/min

Completely submersible bilge pumps. Compact design with ABS material housing, corrosion resistant.



Part No.	Product Name	Voltage (V)	Consumption (A)	Fuse (A)	Lift (m)	Flow Rate (l/m)	Hose (ID) (mm)	Motor Power (W)	Dimensions (mm)	Weight (kg)
16018013	UP3700	24	6	10	5	233	38	200	Ø110 x 202	3,2

Dometic Minimag

Magnetic drive pump PS250-2371

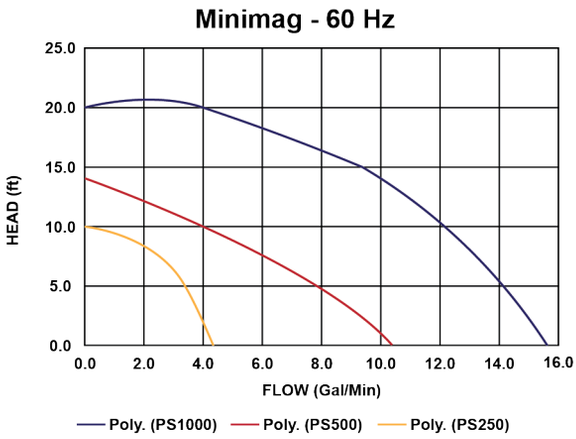
Marine centrifugal pumps are an excellent choice for providing seawater circulation for air conditioning systems. As well as an efficient, power-saving operation and run-dry protection, the proven magnetic drive eliminates the troublesome mechanical shaft seal. These models sport several design improvements intended to prolong the life of the pump, keeping you confident and cool on the water, and are an exact drop-in for our previous PML version to make upgrading a breeze.

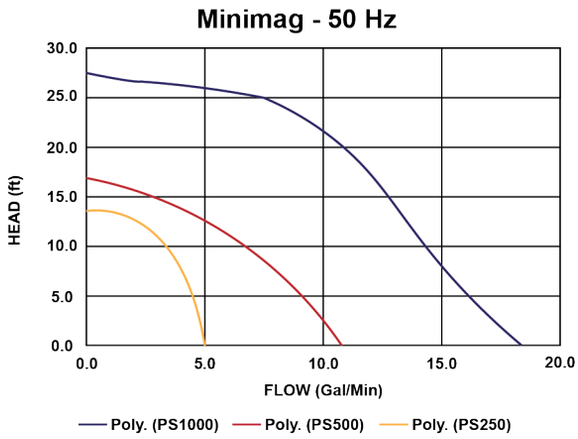
Features :
- 10,000 hours of design life
- Added thermal overload protection
- Upgraded graphite bearings to improve run-dry capability
- Ceramic lubrication for quiet operation
- Added impeller bearing sleeve to increase impeller life
- Increased internal water tubing for more efficient motor cooling
- Self-centering impeller cap to minimize vibration











Model	PS250S		PS500		PS1000	
Voltage (V)	115	230	115	230	115	230
Cycle[1] (Hz)	50/60		50/60		50/60	
Phase (Ph)	1		1		1	
Amps (A)	1.1	0.5	1.8	0.9	2.0	1.0
Max. Flow (gpm/lpm)	5/19		8.5/32		16.6/63	
Max. Head (ft/m)	13/4.0		19/5.8		28/8.5	
Ignition Protection	yes		yes		yes	
Motor HP (hp)	1/35		1/20		1/8	
Inlet Connection (in/mm)	0.75/19		0.75/19		1/26	
Outlet Connection (in/mm)	0.25/7		0.5/13		0.5/13	
Net Weight (lbs/kg)	5/2.3		9/4.1		15.5/7.1	
Replaced Pumps	PML250 & LC-2CP-MD		PML500 & LC-3CP-MD		PML1000 & LC-5CP-MD	

1 - Standard (50/60Hz) pumps may be operated at 50Hz and reduced voltages but with a 17% reduction in flow and as much as a 30% drop in head.

MagDry Centrifugal Seal-less Pump for Marine A/C Systems



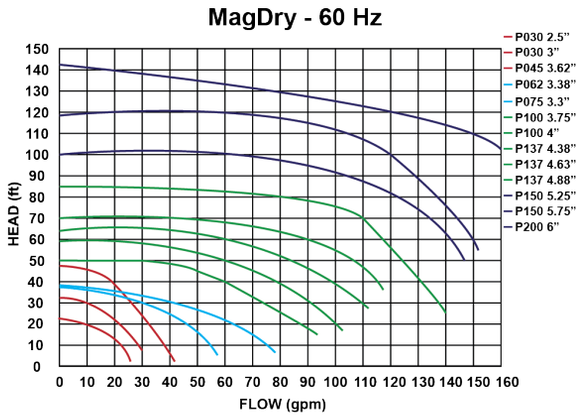
Dometic's magnetically driven centrifugal seal-less pump is engineered to improve the performance and reliability of marine air conditioning systems. Its durable construction is made to withstand long-term use in harsh marine conditions.

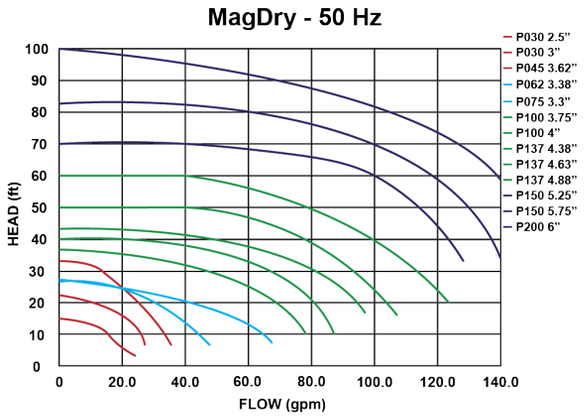
Key to this pump's rugged design is the fact that it has no mechanical seals to wear out or compromise performance. Magnetic-style pumps offer simple head removal for maintenance. A non-corrosive composite pump head and impeller are resilient to the damaging effects of seawater. These pumps also offer a Totally Enclosed, Fan Cooled (TEFC) pump motor to ensure robust performance in challenging conditions, along with very low maintenance.

In addition, Dometic uses carbon bushings to provide superior run-dry protection.

The Magdry Pump comes in 115- and 230-volt configurations, and a range of single- and three-phase models to suit different onboard cooling needs. It is designed for versatile installation and easy integration with Dometic A/C systems, with a rotating pump head, multi-position pump bracket, stainless steel hardware, and a full-sized, easy-to-access electric box.

Dometic's Magdry Pump also features lead-free construction, making it EPA-friendly.





MODEL	Sellable Item #	Hp	Phase (Ph)	Volts 60Hz	Volts 50Hz	Amps 60Hz	Amps 50Hz	Dimensions LxWxH (in)	Impeller Size (in)	Wear Kit Item #	Wet End Item #
P030	9610002000	0.25	1	115	115	2.5	3.3	12.8 x 5.4 x 6.8	2.5	4471004032	4471004037
	9610001803	0.25	1	230	220	1.5	1.9	12.8 x 5.4 x 6.8	2.5	4471004032	4471004037
	9610001976	0.50	1	115	115	4.2	5.6	13.3 x 5.4 x 7.2	3.0	4471004032	4471004038
	9610001977	0.50	1	230	220	2.2	2.7	13.3 x 5.4 x 7.2	3.0	4471004032	4471004038
	9610001980	0.50	1	230/460	220/460	1.6/0.8	1.7/0.9	13.4 x 5.4 x 6.9	3.0	4471004032	4471004038
P045	9610001978	0.5	1	115	115	4.6	5.6	15.8 x 7.5 x 8.4	3.62	4471004034	4471004039
	9610001979	0.5	1	230	230	2.2	2.7	15.8 x 7.5 x 8.4	3.62	4471004034	4471004039
P062	9610001981	0.5	1	115	115	4.6	5.6	15.7 x 7.5 x 8.4	3.5	4471004034	4471004040
	9610001982	0.5	1	230	230	2.2	2.7	15.7 x 7.5 x 8.4	3.5	4471004034	4471004040
	9610001983	0.5	3	230/460	230/460	1.6/0.8	1.7/0.9	15.7 x 7.5 x 8.4	3.5	4471004034	4471004040
P075	9610001984	0.5	1	115	115	4.6	5.6	15.7 x 7.5 x 8.4	3.38	4471004034	4471004041
	9610001985	0.5	1	230	230	2.2	2.7	15.7 x 7.5 x 8.4	3.38	4471004034	4471004041
	9610001986	0.5	3	230/460	230/460	1.6/0.8	1.7/0.9	15.7 x 7.5 x 8.3	3.38	4471004034	4471004041
P100	9610001987	1.0	1	115/230	115/230	8.5/4.3	10.5/5.3	17.2 x 7.5 x 8.4	3.75	4471004034	4471004043
	9610001988	1.0	3	230/460	230/460	2.7/1.4	2.9/1.5	17.0 x 7.5 x 8.3	3.75	4471004034	4471004043
	9610001989	1.5	1	115/230	115/230	12.5/6.3	14.0/7.0	17.8 x 7.5 x 9.9	4.00	4471004034	4471004044
	9610001990	1.5	3	230/460	230/460	4.0/2.0	4.3/2.2	16.6 x 7.5 x 8.7	4.00	4471004034	4471004044
P137	9610001991	1.5	1	115/230	115/230	12.5/6.3	14.0/7.0	21.2 x 9.7 x 11.0	4.38	4471004035	4471004045
	9610001992	1.5	3	230/460	230/460	4.0/2.0	4.3/2.2	18.2 x 9.7 x 10.8	4.38	4471004035	4471004045
	9610001993	2	1	115/230	115/230	16.5/8.3	18.0/9.0	20.1 x 9.7 x 10.9	4.63	4471004035	4471004046
	9610001994	2	3	230/460	230/460	5.3/2.7	5.9/3.0	20.1 x 9.7 x 10.8	4.63	4471004035	4471004046
	9610001996	3	3	380	230/460	7.2/3.6	4.5	19.5 x 10.9 x 10.8	4.88	4471004035	4471004047
P150	9610001997	5	3	230/460	380	12.2/6.1	7.5	23.0 x 12.4 x 10.8	5.25	4471004035	4471004048
	9610001998	5	3	230/460	380	12.2/6.1	7.5	23.0 x 12.4 x 10.8	5.25	4471004035	4471004049
P200	9610001999	7.5	3	230/460	380	17.8/8.9	11	27.5 x 14.1 x 13.4	6	4471004036	4471004050

*All dimensions ± ¼"