

# 02 Bilge Pumping Systems

INTRODUCTION



## Introduction to Rule Bilge Pumps

Rule Submersible Bilge Pumps have set the standard for the industry for decades. They are the first choice of yachtsmen and fishermen throughout the world. More innovations in Bilge Pump design have come from Rule Industries than any other manufacturer and we are proud to offer the broadest range of bilge pumps in the world.

- Compact, efficient, long life motors.
- Ability to run dry for short periods.
- Easy clean snap-lock strainer bases.
- Stainless steel shafts.
- Completely submersible.
- Marine grade blocked wiring.
- Rust and corrosion protection.
- Silent and vibrationless operation.
- CE and ISO 8849 certification.
- Ignition protection.



## Fully Automated Bilge Pumps



No Float Switch 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 (70mm) 2¾", a sensor turns the pump on. After the water is pumped out, another sensor shuts the pump off. The sensor's 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.

The result is the most technically advanced and eco-friendly bilge pump available in the marketplace. It's part of Rule's continuing commitment to preserving our navigable waterways. Rule has been building bilge pumps for 40 years. The pumps are preferred by yachtsmen and commercial fishermen the world over.

### FEATURES AND BENEFITS

- All-in-one pump & switch - No float switch required.
- Pump turns on when water level rises & shuts off when water is removed.
- Will not pump oil - 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.
- Snap-off strainer for easy cleaning.
- Anti-Fouling Impeller.
- The new Rule Mates are available in 500, 750 and 1100 GPH (1893, 2839 and 4164 LPH) models in 12 and 24 volt versions.
- Original Rule Mates are available in 1500 and 2000 GPH in 12 and 24 volt versions.
- Limited three year warranty.

## Automatic Bilge Pumps

Computerized operation on the principle of impeller resistance. Float switches are not required.

The pump will turn on every 2½ minutes for about one second to sense for water. If water is present, the pump will sense resistance and continue to run until all water is removed. Thereafter, it will check for water every 2½ minutes. Power use in the checking mode is minimal.

### FEATURES AND BENEFITS

- No external switch.
- Pump operates automatically by sensing for water.
- Pump turns on every 2½ minutes to feel for water. When water is encountered the pump remains on until water is removed and then pump shuts down. Thereafter it reverts to a 2½ minute sensing mode.
- Sizes: 500, 800, 1100, 1500, 2000, 3700, 4000 in 12 and 24 volt versions.
- Limited three year warranty.



## Non-Automatic Bilge Pumps

Rule's non automatic pumps offer a complete range of pumps available with float switches for those who prefer pumps without electronics.

Traditional operation activated by a float switch or panel switch providing an extra level of security and protection. Removal of the motor also allows cleaning of the strainer and impeller area in the event that the pump becomes clogged.

### FEATURES AND BENEFITS

- Pump and switch are stand alone products.
- Compact, efficient, long life motors.
- Mercury free float switches.
- Sizes: 360, 500, 800, 1000, 1100, 1500, 2000, 3700, 4000, in 12, 24 and 32 volt versions.
- Limited three year warranty.

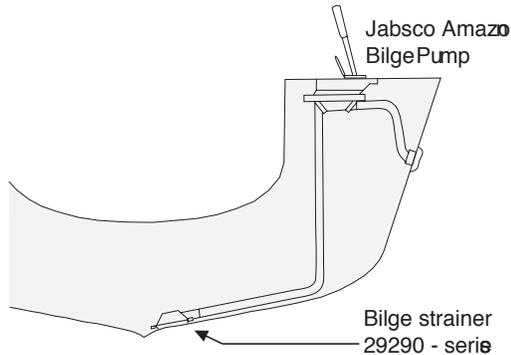


# 02 Bilge Pumping Systems

INTRODUCTION



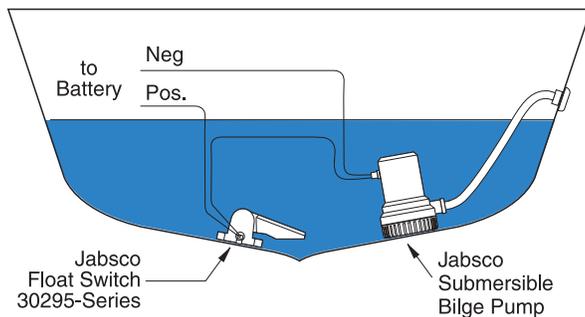
## Manual Diaphragm Pumps



These are the traditional mainstay of small craft bilge pumping systems and can offer surprisingly good flow rates, as well as a variety of installation options. Yacht racing rules state that at least one pump must be capable of being pumped from the cockpit with all hatches shut. The best way to accomplish this is with a through deck kit which allows the pump to be installed safely below decks while the operator pumps from above.

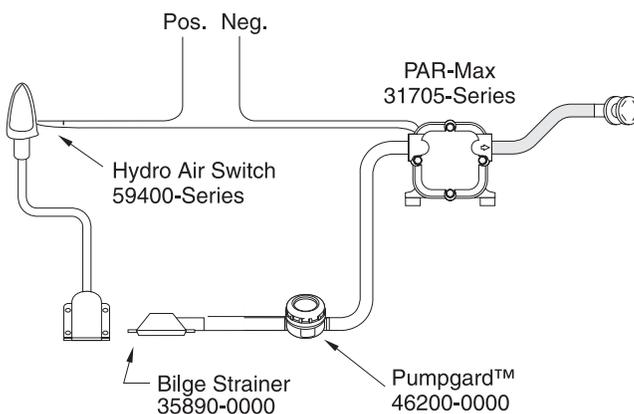
A well designed manual bilge pump is very hard to block due to its large bore hose and valves and one piece diaphragm. The larger pumps in Jabsco's line of manual bilge pumps are also suitable for ballast and waste transfer.

## Electric Submersible Pumps



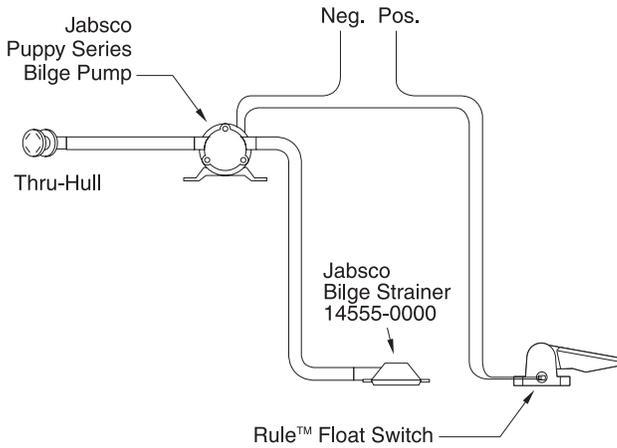
Now by far the most popular type of electric Bilge Pumps, submersibles give very high outputs, are cost effective, have low amp draw and are easy to install. They are designed to fit in the lowest part of the bilge and only require discharge pipe work and electricity supply. However, flow rates decrease as the discharge head increases, so check our recommended maximum discharge heads and if in doubt, always increase the size of the pump. Although our submersibles can be run dry for up to 2 hours, pump life can be extended by avoiding dry running whenever possible. All submersibles can be operated using a float or hydro-air switch, and remotely controlled outside the bilge compartment by using a Rule switch panel.

## Electric Diaphragm Pumps



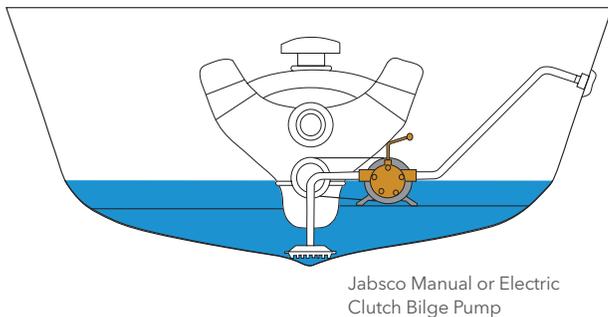
These pumps are excellent for shallow bilge boats where the water left behind by other types of pumps will slop from side to side. With the small size of inlet plumbing they are very effective as bilge pumps, removing all but the last drops of water. Diaphragm pumps can be run dry which removes the need to watch overboard outlets while the pump is running. The ability to self-prime means they can be mounted in an easily accessible high and dry location to simplify installation and improve serviceability. Most models in the line are supplied complete with a Pumpgard™ strainer to protect the pumps from bilge debris.

## Electric Flexible Impeller Pumps



Flexible Impeller pumps make excellent bilge pumps, principally because of their ability to handle bilge debris without damage. Because of the robust design many owners still use our 12 volt DC or 24 volt DC flexible impeller motor pump units that are up to 25 years old! Flexible Impeller Pumps also give the benefits of good flow, low cost, low size and weight, and are easily serviced and maintained. Most Flexible Impeller pumps must not be run dry, as this will damage the impeller which will require replacing. However, the Utility Puppy 2000 and 3000 both allow a maximum of ten minutes dry running after initial prime. Flexible impeller pumps can be operated using a float or Hydro Air switch, and remotely controlled from outside the bilge compartment. There is a wide range of flexible impeller pumps to choose from giving a range of flows, discharge heads, and self-priming options for a wide variety of applications such as ballast transfer, bait tank circulation, and deck wash duties.

## Engine Driven Flexible Impeller Pumps



Jabsco Manual or Electric Clutch Bilge Pump

Jabsco engine driven pumps are probably the strongest and most reliable pumps produced today. Combined with other benefits such as self-priming and very high flow rates, these pumps are now the firm favorites of commercial and professional mariners world wide. All the pumps are easily maintained and can fulfill a variety of duties on board both modern and classic vessels. Jabsco engine driven pumps come in a very wide range of performances and sizes and can be direct driven by either a clutch, pulley, hydraulic drive, or close coupled to a suitable power take off on the engine. These pumps are suitable for applications such as:

- High flow, heavy duty bilge pumps.
- Emergency on board bilge pumps.
- Fire fighting pumps.
- Engine cooling.
- Water ballast transfer.
- Circulation duties.

Of course each application requires different features from each pump and drive type. Either manual or electromagnetic flexible impeller clutch pumps are ideal for bilge pumping. Each type of clutch has different benefits from the other. Manual clutches will operate as long as the engines are still running which provides added security when operating as an emergency bilge pump. Electromagnetic clutches can be operated remotely via float or Hydro Air switches, while fitting a vacuum switch eliminates all risk of dry running damage. However, electromagnetic clutches will only engage as long as electrical power remains available.



### WARNING

No pump manufactured by Jabsco should be used for gasoline, petroleum products or any fluid with a flash point below 100°F (38°C).

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ELECTRIC SUBMERSIBLE PUMPS



## 360 G.P.H. (1363 L.P.H.)

The Rule 360 provides outstanding quality and value. It is economically priced and designed for small boats.

$\frac{3}{4}$ " (19mm) discharge outlet.  
12 volt DC.



NON-AUTOMATIC  
24  
360 gph (1363 lph).  
24-35A  
360 gph (1363 lph) Pump with  
Mercury Free Rule-A-Matic® Float Switch.

## 750 G.P.H. (2839 L.P.H.)

Rule's 750 gph pump offers increased capacity in keeping with its  $\frac{3}{4}$ " (19mm) discharge outlet. 12 volt DC unless noted.



RM750A

RULE-MATE®  
RM750A  
750 gph (2839 lph) Rule-Mate®.  
RM750A-24  
750 gph (2839 lph) Rule-Mate® (24 volt).

## 500 G.P.H (1893 L.P.H.)

The Rule 500 offers many design features while keeping size and cost to a minimum. Especially popular on smaller craft, Rule 500 pumps are unmatched in pumping power and longevity.  $\frac{3}{4}$ " (19mm) discharge outlet. 12 volt DC unless noted.



RM500A

25S

25D

RULE-MATE®  
RM500A  
500 gph (1893 lph) Rule-Mate®  
RM500A-24  
500 gph (1893 lph) Rule-Mate® (24 volt).

AUTOMATIC  
25S  
500 gph (1893 lph) Automatic.  
25S-24  
500 gph (1893 lph) Automatic (24 volt).  
25S-6  
500 gph (1893 lph) Automatic with 6' (1.8m) leads.

NON-AUTOMATIC  
25D  
500 gph (1893 lph).  
25-40A  
500 gph (1893 lph) with Mercury Free Rule-A-Matic®  
Plus™ Float Switch.  
26D  
500 gph (1893 lph) (24 volt).

## 800 G.P.H. (3028 L.P.H.)

Rule offers two 800 gph (3028 lph) styles - square and round versions. The square model (20F) offers 36 mounting variations as well as a gas resistant strainer base. 3/4" (19mm) discharge outlet. 12 volts DC unless noted.



- |   |   |
|---|---|
| <p><b>NON-AUTOMATIC</b><br/> <b>20F</b><br/>                 800 gph (3028 lph) Square.<br/> <b>20R</b><br/>                 800 gph (3028 lph) Round.<br/> <b>21R</b><br/>                 800 gph (3028 lph) Round (24 volt).</p> | <p><b>AUTOMATIC</b><br/> <b>20R-35A</b><br/>                 800 gph (3028 lph) Pump wit Mercury Free Rule-A-Matic® Plus™ Float Switch.<br/> <b>20RS</b><br/>                 800 gph (3028 lph) Round.</p> |
|---|---|

## 1000 G.P.H. (3785 L.P.H.)

The Rule 1000 is in a class by itself and is a popular choice among boat builders and boat owners alike. 36 mounting variations and a gas resistant strainer base make this one of Rule's most popular pumps. 1 1/8" (29mm) discharge outlet. 12 volt DC.



- NON-AUTOMATIC**  
**20A**  
 1000 gph (3785 lph).

## 1100 G.P.H. (4162 L.P.H.)

The Rule 1100 offers impressive pumping power for its size and cost. Competitive models in this pumping range are much larger and far more expensive. 1 1/8" (29mm) discharge outlet. 12 volt DC unless noted.



- |  |   |
|--|---|
| <p><b>RULE-MATE®</b><br/> <b>RM1100A</b><br/>                 1100 gph (4162 lph) Rule-Mate®.<br/> <b>RM1100A-24</b><br/>                 1100 gph (4162 lph) Rule-Mate®</p> | <p><b>NON-AUTOMATIC</b><br/> <b>27D</b><br/>                 1100 gph (4162 lph).<br/> <b>27D-6</b><br/>                 1100 gph (4162 lph) with 6' (1.8m) wire leads.<br/> <b>28D</b><br/>                 1100 gph (4162 lph) (24 volt).</p> |
| <p><b>AUTOMATIC</b><br/> <b>27S</b><br/>                 1100 gph (4162 lph) Automatic.</p>  |   |

## 1500 G.P.H. (5676 L.P.H.)

High pumping capacity and reliability at a lower cost. The Rule 1500 offers more pumping capacity and more exclusive design features than any comparable competitive pump. 1 1/8" (29mm) discharge outlet. 12 volt DC unless noted.



- RULE-MATE®**  
**RM1500**  
 1500 gph (5676 lph).
- NON-AUTOMATIC**  
**02**  
 1500 gph (5676 lph).  
**02-6**  
 1500 gph (5676 lph) with 6' (1.8m) wire leads.  
**03**  
 1500 gph (5676 lph) (24 volt).
- GOLD SERIES**  
**04**  
 1500 gph (5676 lph) 5 Year Warranty.
- AUTOMATIC**  
**51S**  
 1500 gph (5676 lph).

# 02 Bilge Pumping Systems

ELECTRIC SUBMERSIBLE PUMPS



## 2000 G.P.H. (7568 L.P.H.)

The Rule 2000 is the best selling high capacity submersible bilge pump in the world. 1 1/8" (29mm) discharge outlet. 12 volt DC unless noted.



09



10



RM2000



53S

RULE-MATE®  
**RM2000**  
 2000 gph (7568 lph).  
**RM2000-24**  
 2000 gph (7568 lph) (24 volts).

NON-AUTOMATIC  
**10**  
 2000 gph (7568 lph).  
**10-6UL**  
 2000 gph (7568lph) -UL listed with 6' (1.8m) wire leads.

**11**  
 2000 gph (7568 lph) (32 volt).  
**12**  
 2000 gph (7568 lph) (24 volt).

GOLD SERIES  
**09**  
 2000 gph (7568 lph) 5 Year Warranty.

AUTOMATIC  
**53S**  
 2000 gph (7568 lph) Automatic.

## 3700 G.P.H. (14002 L.P.H.)

Heavy duty construction for both commercial and pleasure boat use; known for trouble free operation and reliability. 1 1/2" (38mm) discharge outlet. 12 volt DC unless noted.



14A



55S



13A

NON-AUTOMATIC  
**14A**  
 3700 gph (14002 lph).  
**14A-6UL**  
 3700 gph (14002 lph) -UL listed with 6' (1.8m) wire leads.  
**15A**  
 3700 gph (14002 lph) (32 volt).  
**16A**  
 3700 gph (14002 lph) (24 volt).  
 GOLD SERIES  
**13A**  
 3700 gph (14002 lph) 5 Year Warranty.  
 AUTOMATIC  
**55S**  
 3700 gph (14002 lph) Automatic.

## 4000 G.P.H. (15137 L.P.H.)

Designed for the toughest applications, the 4000 GPH (15137 LPH) pump optimizes Rule's exclusive design features to produce the highest capacity available for a pump its size. 2" (51mm) discharge outlet. 12 volt DC unless noted.



56D



56S

NON-AUTOMATIC  
**56D**  
 4000 gph (15137 lph).  
**56D-24**  
 4000 gph (15137 lph) (24 volt).  
**56D-32**  
 4000 gph (15137 lph) (32 volt).

AUTOMATIC  
**56S**  
 4000 gph (15137 lph) Automatic.

## PWC Automatic 500 GPH (1893 LPH)

Automatically removes water from engine compartment without the use of a float switch. Cycles every 20 seconds to check for water. Compact design allows it to fit in tight spaces. Easy installation. Equipped with gasoline resistant strainer base and 72" (1.8m) wire leads. 12 volt DC.

25S-6WC

3/4" (19mm) discharge outlet.



## PWC Non-Auto 500 GPH (1893 LPH)

Removes water from engine compartment. Compact design allows it to fit in tight spaces. Easy installation. Equipped with gasoline resistant strainer base and 72" (1.8m) wire leads. 12 volt DC.

25D-6WC

3/4" (19mm) discharge outlet.



## PWC Pump On/Off Switch

Water resistant on/off toggle switch for on demand use of Rule Personal Watercraft Pumps.

49PWC

20 Amps at 12 Volts



## Evacuator Portable Utility Pumps



New

Not available in EMEA.

The Evacuator series offers smaller and lighter form factors than comparable pumps. The innovative power connection, which allows for direct operation from your vehicle's 12 volt battery via two heavy duty battery clips, provides flexibility for use in work environments requiring fast efficient removal of water

- 2000 GPH (7570 LPH)
- 4000 GPH (13250 LPH)
- 8000 GPH (30283 LPH)

EV2000-103  
12 Volts DC

EV4000-103  
12 Volts DC

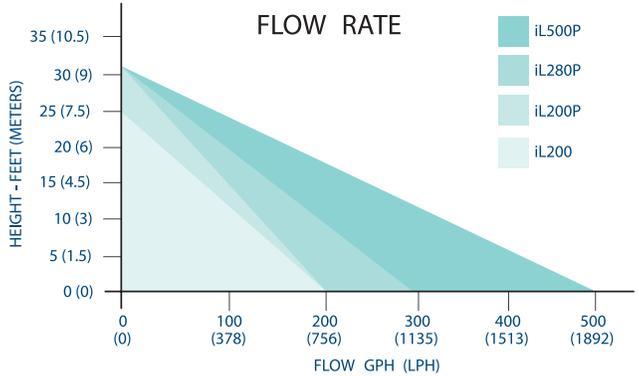
EV8000-103  
12 Volts DC

# 02 Bilge Pumping Systems

IN-LINE SUBMERSIBLE PUMPS



## Slimline Pumps

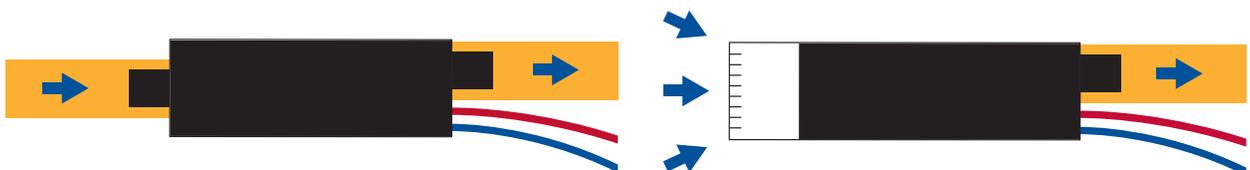


Rules family of compact combination Submersible and Inline pumps and Portable Pump Kits designed for a wide variety of uses, both onboard and ashore. There are four models in the Slimline Series which include strainers for use in submersible mode or, when the filter is removed, for use in the inline pumping mode.

- Delivers up to 500 gph (1920 lph).
- Pumps fresh and seawater, diesel and anti-freeze.
- Wash down for cars, vehicles, anchors and decks.
- Deck shower.
- Under engine bilge pumping.
- Diesel refueling and transfer.
- Garden watering.
- Container filling and emptying.
- Sink draining.
- Engine winterizing.

<b>iL500P</b> 500 gph (1920 lph), 12 volt	<b>iL500PK Kit</b> 5500 gph (1920 lph), 12 volt with 13ft (4m) lay flat pvc/nitrile hose.
<b>iL500P-24</b> 500 gph (1920 lph), 24 volt.	<b>iL500PK-24 Kit</b> 500 gph (1920 lph), 24 volt with 13ft (4m) lay flat pvc/nitrile hose.
<b>iL280P</b> 280 gph (1080 lph), 12 volt.	<b>iL280PK Kit</b> 280 gph (760 lph), 12 volt with 13ft (4m) lay flat pvc/nitrile hose.
<b>iL280P-24</b> 280 gph (1080 lph), 24 volt.	<b>iL280PK-24 Kit</b> 280 gph (760 lph), 24 volt with 13ft (4m) lay flat pvc/nitrile hose.
<b>iL200P</b> 200 gph (760 lph), 12 volt.	<b>iL200K Kit*</b> 200 gph (760 lph), 12 volt with 9ft (3m) lay flat food quality hose.
<b>iL200P-24</b> 200 gph (760 lph), 24 volt.	
<b>iL200*</b> 200 gph (760 lph), 12 volt.	

MODEL	iL500 PLUS	iL200 PLUS	iL500 PLUS	iL200	iL500 PLUS Kit	iL280 PLUS Kit	iL200 Kit
Part No.:	iL500P iL500P-24	iL280P iL280P-24	iL200P iL200P-24	iL200	iL500PK iL500PK-24	iL280PK iL280PK-24	iL200K
Current:	12V(6amp) 24V(3amp)	12V (4.5amp) 24V (2.5amp)	12V (4.5amp) 24V (2.5amp)	12V (2.8amp)	12V (6amp) 24V (3amp)	12V (4.5amp) 24V(2.5amp)	12V (2.8amp)
Head:	32ft (9.7m)	32ft (9.7m)	32ft (9.7m)	25ft (7.6m)	32ft (9.7m)	32ft (9.7m)	25ft (7.6m)
Flow rate:	500gph (1920 lph)	280gph (1080lph)	200gph (760lph)	200gph (760lph)	500gph (1920 lph)	280 gph (760 lph)	200gph (760 lph)
Rating	Intermittent	Intermittent	Intermittent	Intermittent	Intermittent	Intermittent	Intermittent
Outlets (id hose):	¾ (19mm)	½ (13mm)	½ (13mm) & ½ (13mm)	3/8 (10mm)	¾ (19mm)	½ (13mm)	3/8(10mm) & ½ (13mm)
Hose:					13ft(4m) lay flat pvc/nitrile hose	13ft (4m) lay flat pvc/nitrile hose	9ft (3m) lay flat food quality hose
Pressure:	14psi (0.96bar)	14psi (0.96bar)	11psi (0.76bar)	14psi (0.96bar)	14psi (0.96bar)	14psi (0.96bar)	14psi (0.96bar)
Cable Length:	13ft (4m)	13ft (4m)	3ft (1m)	3ft (1m)	13ft (4m)	13ft (4m)	3ft (1m)
Liquid:	Fresh & Sea Water /Diesel			Fresh & Sea Water	Fresh & Sea Water /Diesel		Fresh & Sea Water



\*Not for use with diesel.

# 02 Bilge Pumping Systems

SWITCHES - BILGE PUMP CONTROL



## 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. Model 35A and 35FA now includes a 2 year warranty.

<b>SIZE</b>	2¼" x 5" x 1¾" (57 x 127 x 58mm)
<b>AMP</b>	14 Amps
<b>VOLTAGE</b>	12, 24 and 32 volt DC



**35A**  
Rule-A-Matic® float switch, 2¼" x 5" x 1¾" (57 x 127 x 58mm), 12-24v DC, fuse 14 amp (12v), 7 amp (24v).  
**35FA**  
Rule-A-Matic® float switch with fuse holder.

## 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. 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. Model 40A and 40FA now includes a 2 year warranty.

<b>SIZE</b>	3" x 5¾" x 2½" (76 x 137 x 64mm)
<b>AMP</b>	20 amps
<b>VOLTAGE</b>	12, 24 and 32 volt DC



**40A**  
Rule-A-Matic® Plus™ float switch, 3" x 5¾" x 2½" (76 x 137 x 64mm), 12-24-32v DC, fuse 20amp (12v), 10amp (24v), 6.5amp (32v).  
**40FA**  
Rule-A-Matic® Plus™ float switch with fuse holder.

## SuperSwitch™ Float Switch

Now backed by a 5 year warranty, the non mercury SuperSwitch is designed for the toughest applications. Design includes marine grade 14 gauge "blocked wire," larger float for increased buoyancy, removable base for easy servicing and a snap switch design capable of handling pumps drawing up to 20 amps at 12 volt DC.

<b>SIZE</b>	2¼" x 5" x 2" (57 x 127 x 51mm)
<b>AMP</b>	20 amps
<b>VOLTAGE</b>	12, 24 and 32 volt DC



**37A**  
SuperSwitch™ float switch, 2¼" x 5" x 2" (57 x 127 x 51mm), 12-24-32v DC, fuse 20amp (12v), 10amp (24v), 6.5 amp (32v).  
**37FA**  
SuperSwitch™ float switch with fuse holder.

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SWITCHES - BILGE PUMP CONTROL

## 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.

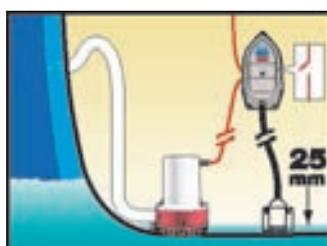
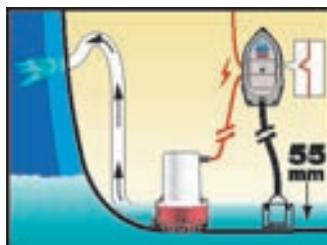
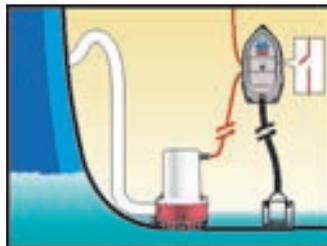
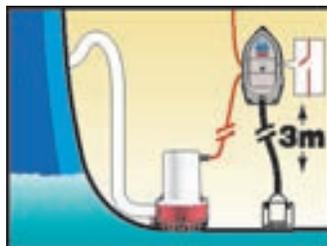
<b>SIZE</b>	1 7/8" x 6" x 2 3/4" (4.8 x 15.2 x 7cm)
<b>AMP</b>	10 amp - 20 amp
<b>VOLTAGE</b>	12v DC - 24v DC

39

1 7/8" x 6" x 2 3/4" (48 x 152 x 70mm), 12v DC, fuse 20 amp.

39-24

1 7/8" x 6" x 2 3/4" (48 x 152 x 70mm), 24v DC, fuse 10 amp.



## 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 an 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.

<b>SIZE</b>	2 1/4" x 5" x 2 1/64" (5.7 x 12.7 x 5.1cm)
<b>AMP</b>	for use with pumps with a current draw of upto 20 Amps @ 12 volts
<b>VOLTAGE</b>	12v DC - 32v DC

33ALA

12v DC.

32ALA

24v DC.

31ALA

32v DC.

M-1507

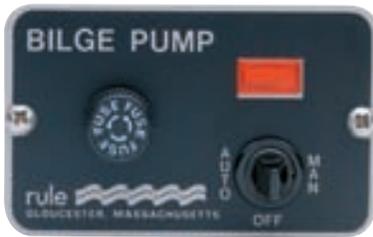
Alarm Only.





### 3-Way Panel Lighted Switch

For use with any automatically controlled pump. Toggle has three positions (automatic, off, or manual) and has a "fail safe" spring return to "off" from the "manual" position. Panel is black stainless steel with a red indicator light and fuse holder.



<b>SIZE</b>	3¼" x 2" (83 x 51mm)
<b>AMP</b>	6.5 amp - 20 amp
<b>VOLTAGE</b>	12v DC - 32v DC

41	42
3¼" x 2" (83 x 51mm), 12v DC, fuse 20 amp.	3¼" x 2" (83 x 51mm), 24/32v DC, fuse 10 amp (24v), 6.5 amp (32v).

### 3-Way Panel Switch

Similar to the Lighted Panel Switch but without indicator light or fuse holder. The "manual" position has a "fail-safe" spring return to "off" so you can't leave your pump running by accident. Black stainless steel panel.



<b>SIZE</b>	2¼" x 2" (57 x 51mm)
<b>AMP</b>	6.5 amp - 20 amp
<b>VOLTAGE</b>	12v DC - 32v DC

45
2¼" x 2" (57 x 51mm), 12/24/32v DC, fuse 20 amp (12v), 10 amp (24v), 6.5 amp (32v).

### 3-Way Panel Lighted Rocker Switch

For use with any automatically controlled pump. This unit features a black plastic panel, a built-in fuse holder and an internally lighted rocker switch with 3 positions (automatic, off or manual) with the Rule "failsafe" spring return to "off" from the "manual" position.



<b>SIZE</b>	27/8" x 23/8" (73 x 60mm)
<b>AMP</b>	10 amp - 20 amp
<b>VOLTAGE</b>	12v DC - 32v DC

43	44
27/8" x 23/8" (73 x 60mm), 12v DC, fuse 20 amp.	27/8" x 23/8" (73 x 60mm), 24/32v DC, fuse 10 amp.

### 2-Way Panel Switch

Attractive black stainless steel panel highlights your control panel. Simple "on" and "off" toggle provides fingertip control.



<b>SIZE</b>	2¼" x 2" (57 x 51mm)
<b>AMP</b>	6.5 amp - 20 amp
<b>VOLTAGE</b>	12v DC - 32v DC

49
2¼" x 2" (57 x 51mm), 12/24/32v DC, fuse 20 amp (12v), 10 amp (24v), 6.5 amp (32v).

# 02 Bilge Pumping Systems

ACCESSORIES - HOSE/ADAPTERS/FITTINGS



## Corrugated White Polyethylene Bilge Hose

All Rule hoses are designed for use with Rule pumps. Sizes up to and including 1½" (38mm) diameter have smooth mounting cuffs every 12" (305mm). Flexible for easy installation and resistant to detergents, oil, gasoline, diesel fuel and salt water.

ITEM	DESCRIPTION
80	1½" (29mm) ID Hose in 100' (31m) lengths
81	¾" (19mm) ID Hose in 100' (31m) lengths
88	1½" (38mm) ID Hose in 100' (31m) lengths
90	2" (51mm) ID Hose in 50' (15m) lengths
92	3" (76mm) ID Hose in 50' (15m) lengths



## Adapters

ITEM	DESCRIPTION
63	Bulkhead adapter-adapts 1½" (38mm) hose to standard garden hose fitting
67	Hose adapter-adapts 1½" (38mm) outlet to 1½" (29mm) hose
68	Garden hose adapter-adapts 1½" (29mm) outlet to standard garden hose fitting
69*	Double stepped straight adapter for adapting 1½" (29mm) outlet to ¾" (19mm) or 5/8" (16mm) ID hose
64	Adapter to attach Rule SuperSwitch to Rule 3700 (14002) and 4000 gph (15137 lph) Pumps
65	Adapter to attach Rule SuperSwitch or Rule-A-Matic® mercury free float switch to Rule 1500 (5676), 2000 gph (7568 lph) and 5-Year Pumps

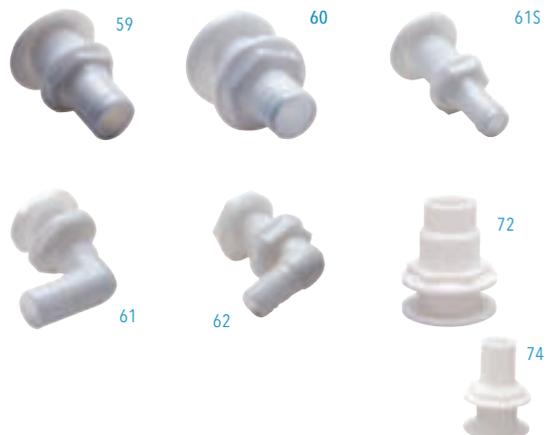


\*Not suitable for use with Rule Mate pumps.

## Thru Hull Fittings

High impact plastic will not rust, corrode or discolor. Specially designed for Rule pumps.

ITEM	DESCRIPTION
59	1½" (38mm) straight
60	1½" (29mm) straight
61S	¾" (19mm) straight
62	5/8" (16mm) right angle
72	2" (51mm) straight
74	3" (76mm) straight



## Adapters

90° elbow adapters are designed for rigid pipe installations of Sump and Utility Pumps. Adapters snap onto discharge port. Opposite end is female pipe threaded. High impact plastic will not rust, corrode or discolor. Garden hose adapter snaps onto discharge port converting pump into standard garden hose fitting.

Item	Description
57	Adapts 1800 gph (6814 lph) pump to 1" (25mm) NPT
58	Adapts 2800 gph (10596 lph) pump to 1¼" (32mm) NPT
68	Garden Hose Adapter



## Side Mount Brackets

Permits small Rule bilge pumps to be side mounted to a vertical stringer, a bulkhead or a transom. Use this bracket when bottom mounting is inconvenient or impossible. Simply remove the strainer from the pump, put the bracket in place, and reassemble.



66

Round pumps from 360 (1363) to 1100 gph (4162 lph).

## Replacement Strainer Bases

Original replacement strainer base for your Rule Bilge Pump.

275

Round Rule Pumps, 360 to 1100 gph.

276

Gas Resistant Strainer Base for above models.

277

Square Rule Bilge Pumps.

278

Round Rule Pumps, 1500 to 2000 gph.

279

Round Rule Pumps, 2800 to 3700 gph.

285

Rule-Mate Bilge Pumps, 500 to 1100 gph (Pre 2009 Models).

286

Rule-Mate Bilge Pumps, 1500 to 2000 gph.

1000864-26

Rule Strainer for Rule-Mate 500, 750, 1100 gph.

99A

Plastic strainer with side mounting steel bracket for RM500A, RM750A and RM1100A.



# 02 Bilge Pumping Systems

AMAZON MANUAL DIAPHRAGM PUMPS

**JABSCO**

## Amazon Bulkhead

For mounting on bulkhead or deck.

- Repositionable ports and body offer an amazing
- 96 assembly variations.
- Corrosion resistant materials throughout.
- Stainless steel handle supplied with mounting

<b>FLOW</b>	12 gpm (45 lpm)
<b>SELF PRIMING</b>	up to 13ft (4m).
<b>FITTING</b>	Connections for 1" (25mm) ID hose
<b>SIZE</b>	7" wide x 8" deep x 4¾" high (18cm x 20cm x 12cm).
<b>WEIGHT</b>	1.4lb (0.6kg).



29240-0000

Bulkhead Pump, c/w detachable handle.

29246-1000

Service Kit.

For service and spare parts listing see page 223

## Amazon Universal

For mounting on bulkhead, through bulkhead, on deck or thru deck.

- Unique safety feature allows operation from both inside and outside the cabin (with optional Through Deck Kit).
- Push-fit inlet and outlet elbows swivel through 360° to increase flexibility of installation still further.
- Corrosion resistant materials throughout.
- Quick release clamp ring gives fast access for blockage clearance.
- 1½" (38mm) ports give excellent solids handling ability for use with holding tanks.
- Stainless steel handle supplied with mounting clips and provision for safety lanyard.



<b>FLOW</b>	25 gpm (100 lpm)
<b>SELF PRIMING</b>	up to 10ft (3m).
<b>FITTING</b>	Connections for 1½" (38mm) ID hose
<b>SIZE</b>	9½" wide x 9½" high x 6" deep (24cm x 24cm x 15cm)
<b>WEIGHT</b>	2.9lb (1.2kg).

29270-0000

Universal Pump, with detachable handle and one Push-fit Elbow.

29279-0000

Optional Through Deck Kit.

29266-1000

Additional Push-fit Elbow.

29276-1000

Service Kit.

For service and spare parts listing see page 224

## Bilge Strainers

Stop bilge debris blocking inlet suction hose and reduce the risk of debris entering and blocking the pump.

- Non-return valve fitted to stop bilge water draining back when pumping stops.
- Re-positional ports allow horizontal, vertical or sideways hose attachments.
- Easily removable strainer plate for cleaning.
- Corrosion resistant materials throughout.



<b>FITTING</b>	Connections for ¾", 1" or 1½" (19mm, 25mm or 38mm) ID hose.
<b>SIZE</b>	6¾" long x 2¾" wide x 2½" high (17cm x 7.2cm x 6cm).
<b>WEIGHT</b>	¼ lb (0.1kg).

29290-1020

Bilge Strainer for ¾" (19mm) ID hose.

29290-1000

Bilge Strainer for 1" (25mm) ID hose.

29290-1010

Bilge Strainer for 1½" (38mm) ID hose.

## Amazon Thrudeck

For mounting through deck or through bulkhead.

- The ultimate compact through deck pump with no less than 16 port variations relative to the body.
- Loosening just one screw lets you clear blockages or position the body anywhere through 360° relative to the handle position.
- Compact design and low profile allow installation in confined spaces.
- Sleekly styled Thru Deck Kit and cover, with 4 mounting positions relative to the pump.
- Excellent solids handling ability for use with holding tanks.
- Corrosion resistant materials throughout.
- Stainless steel handle supplied with mounting clips and provision for safety lanyard.



<b>FLOW</b>	13 gpm (50 lpm)
<b>SELF PRIMING</b>	up to 16ft (5m).
<b>FITTING</b>	Connections for 1" (25mm) ID hose or 1½" (38mm) hose.
<b>SIZE</b>	10" long x 4½" wide x 4½" deep (25cm x 11cm x 12cm).
<b>WEIGHT</b>	2½lbs (1.2kg).

29250-0000

1" (25mm) ThruDeck Pump, with detachable handle and Through Deck Kit.

29250-0010

1½" (38mm) ThruDeck Pump, c/w detachable handle and Through Deck Kit.

29256-1000

Service Kit.

For service and spare parts listing see page 223

## Amazon Warrior

For mounting on deck, or through deck (with optional Through Deck Kit and Bracket).

- Robust design particularly suited to workboats and larger leisure craft, or any installation where particularly heavy duty use is anticipated.
- 29280-0100 Model with swivel arms and captive wheel nuts meets DTI requirements for use on lifeboats.
- 18" (45cm) handle assists sustained high outputs of up to 35 gpm (135 lpm).
- Double diaphragm design gives maximum efficiency, and added safety.
- 1½" (38mm) ports give large solids handling ability.
- Can function on one diaphragm in an emergency.
- Corrosion resistant materials throughout.



<b>FLOW</b>	35 gpm (135 lpm)
<b>SELF PRIMING</b>	up to 17.5ft (5.5m)
<b>FITTING</b>	Connections for 1½" (38mm) ID hose.
<b>SIZE</b>	14" wide x 9½" high x 8" deep (35.5cm x 24cm x 20cm).
<b>WEIGHT</b>	11lbs (4.95kg).

<p><b>29280-0000</b> Warrior Pump, with detachable handle.</p> <p><b>29280-0100</b> Warrior Pump, lifeboat version.</p> <p><b>29279-0000</b> Optional Through Deck Kit.</p>	<p><b>29289-0000</b> Under Deck Bracket (required for use with Through Deck Kit).</p> <p><b>29286-1000</b> Service Kit.</p>
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For service and spare parts listing see page 224

## In-Line Non-Return Valves

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

- Available for three hose sizes - ¾", 1" and 1½" (19mm, 25mm and 38mm).
- Simply fit into suction hose.
- Corrosion resistant materials throughout.



<b>FITTING</b>	Connections for ¾", 1" or 1½" (19mm, 25mm or 38mm) ID hose.
<b>SIZE</b>	4¼" long x 21/8" wide x 2" high (10.8cm x 5.5cm x 5cm).
<b>WEIGHT</b>	¼ lb (0.1kg).

**29295-1011**  
In-line non-return valve for ¾" (19mm) ID hose.

**29295-1000**  
In-line non-return valve for 1" (25mm) ID hose.

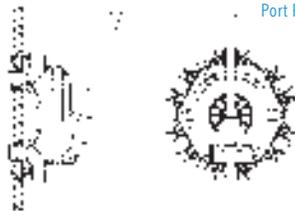
**29295-1010**  
In-line non-return valve for 1½" (38mm) ID hose.

### AMAZON MOUNTING POSITIONS

#### AMAZON BULKHEAD

On Bulkhead

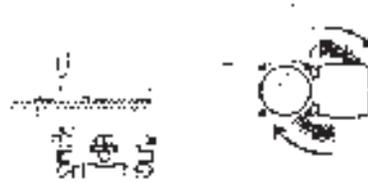
Port Positions



#### AMAZON THRUDECK

Thru Deck

360° Rotation

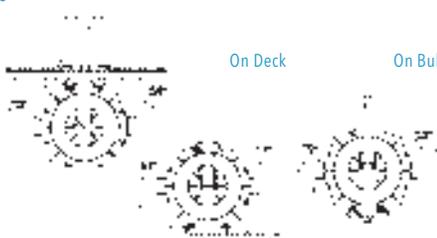


#### AMAZON UNIVERSAL

Through Deck

On Deck

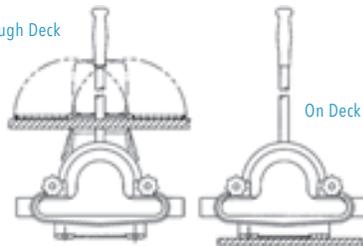
On Bulkhead



#### AMAZON WARRIOR

Through Deck

On Deck



# 02 Bilge Pumping Systems

## ELECTRIC DIAPHRAGM PUMPS

### 50880 Series Bilge Pump

Robust diaphragm pump suitable for bilge applications with a multi-positional pump head.

- 4.2 gpm (16 lpm) open flow output at 3ft (1m) head.
- Allows mounting above wet bilges.
- Flexible Installation.
- Compact and simple design.
- Filter-less.
- Quiet running.
- Capable of extensive dry running.
- Corrosion resistant parts.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).
- ISO 8849 MARINE (Bilge Pump Standard).



<b>FLOW</b>	4.2 gpm (16 lpm)
<b>SELF PRIMING</b>	up to 10ft (3m) vertical lift
<b>FITTING</b>	Connections for 1" & 3/4" (19mm) ID Hose.
<b>SIZE</b>	11.7" long x 5.9" wide x 4.4" high
<b>WEIGHT</b>	6lb (2.7kg).

**50880-1000**  
12 volt DC model, fuse  
10 amp.

**50880-1100**  
24 volt DC model, fuse  
5 amp.

**SK880**  
Service Kit.

For service and spare parts listing see page 211

### 37202 Series 2

Quiet running and corrosion resistant bilge, shower and sink drain pump.

- Diaphragm design allows extended dry running.
- Complete with Pumpgard™ pre-filter.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).
- ISO 8849 MARINE (Bilge Pump Standard).



<b>FLOW</b>	3.33 usgpm (13 lph)
<b>SELF PRIMING</b>	up to 6ft (2m) vertical lift
<b>FITTING</b>	Connections for 3/4" (19mm) ID hose.
<b>SIZE</b>	5 1/4" wide x 5 3/4" high x 7 1/2" deep (13cm x 15cm x 19cm).
<b>WEIGHT</b>	5 1/2lb (2.5kg).



**37202-2012**  
12 volt DC model,  
fuse 10 amp.

**37202-2024**  
24 volt DC model,  
fuse 5 amp.

**50095-1000**  
Service Kit.

For service and spare parts listing see page 214

### PAR 36680

Fully serviceable, bilge and deckwash pump.

- Allows mounting above wet bilges.
- Diaphragm design allows extended dry running.
- Complete with Pumpgard™ strainer.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).
- ISO 8849 MARINE (Bilge Pump Standard).



<b>FLOW</b>	5.5 usgpm (20.83 lpm)
<b>SELF PRIMING</b>	up to 7ft (2m) vertical lift
<b>FITTING</b>	Connections for 3/4" (19mm) ID hose
<b>SIZE</b>	7 5/8" long x 6 1/2" wide x 8 1/2" high (19.4cm x 16.5cm x 21.6cm).
<b>WEIGHT</b>	8lb (6kg)



**36680-2000**  
12 volt DC model,  
fuse 10 amp.

**36680-2010**  
24 volt DC model,  
fuse 6 amp.

**43990-0062**  
Service Kit. (new, -2xxx  
models only).

For service and spare parts listing see page 213

### PAR 36600

Fully serviceable, bilge pump.

- Allows mounting above wet bilges.
- Diaphragm design allows extended dry running.
- Complete with Pumpgard™ strainer.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).
- ISO 8849 MARINE (Bilge Pump Standard).

Included



<b>FLOW</b>	7.92 usgpm (30 lpm)
<b>SELF PRIMING</b>	up to 10ft (3m) vertical lift
<b>FITTING</b>	Connections for 3/4" (19mm) ID hose.
<b>SIZE</b>	8 5/8" long x 5 7/8" wide x 8 1/4" high (22cm x 15cm x 21cm).
<b>WEIGHT</b>	11lb (5kg).

**36600-0000**  
12 volt DC model,  
fuse 15 amp.

**36600-0010**  
24 volt DC model,  
fuse 8 amp.

**30124-0000**  
Service Kit.

For service and spare parts listing see page 212

## Bilge Pumpgard™ Strainer

- Strainer protects all electric diaphragm bilge pumps.
- Prevents unnecessary pump breakdowns caused by particles in the water.
- Transparent housing allows instant inspection.
- 46200-0000 model installs in-line between bilge pick up and pump.
- Quick in-place cleaning of the 20 mesh stainless steel screen.



<b>FITTING</b>	Connections for 3/4" (19mm) ID hose.
<b>SIZE</b>	4 3/4" long x 2 3/4" wide x 2 1/2" high (12cm x 7cm x 6cm).
<b>WEIGHT</b>	1/2lb (0.2kg)

46200-0000  
Model for 3/4" (19mm) ID Hose.

46200-0010  
3/4" (19mm) ID Hose x Plug-in  
90 degree.

18753-0020  
Replacement 20# Mesh Filter.

For service and spare parts  
listing see page 210

# 02 Bilge Pumping Systems

ELECTRIC FLEXIBLE IMPELLER PUMPS

## Water Puppy

Continuously rated duty bilge/sump pump.

- 6.33 usgpm (23.83 lpm) output at 3m (10ft) total head.
- Simple design means fewer wearing parts - all user serviceable.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).
- ISO 8849 MARINE (Bilge Pump Standard).



<b>FLOW</b>	6.33 usgpm (23.83 lpm)
<b>SELF PRIMING</b>	up to 4ft (1.2m) vertical lift.
<b>FITTING</b>	Connections for 1/2" NPT male threaded fittings, and for 1" (25mm) ID hose.
<b>SIZE</b>	63/8" long x 43/4" wide x 31/2" high (16.2cm x 12.1cm x 8.9cm).
<b>WEIGHT</b>	61/2lb (3kg).

18660-0121

12 volt DC model, fuse 15 amp (Non CE).

6303-0001

Replacement Impeller.

For service and spare parts listing see page 207

## Commercial Duty Water Puppy

High flow, continuously rated bilge pump offering good discharge head.

- 7.83 usgpm (29.5 lpm) output at 10ft (3m) total head.
- Bilge debris presents no problem to this bronze bodied, flexible impeller design.
- Simple design means fewer wearing parts - all user serviceable.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).
- ISO 8849 MARINE (Bilge Pump Standard).



<b>FLOW</b>	7.83 usgpm (29.5 lpm)
<b>SELF PRIMING</b>	up to 8ft (2.4m) vertical lift.
<b>FITTING</b>	Connections for 1" (25mm) ID hose, or 1/2" NPT male threads. Do not use plumbing of less than 3/4" (19 mm) internal diameter.
<b>SIZE</b>	71/8" long x 43/4" wide x 31/2" high (18.1cm x 12.1cm x 8.9cm).
<b>WEIGHT</b>	8lb (3.6kg).

18670-0123

12 volt DC model, fuse 15 amp (Non CE).

23680-4103

24 volt DC model, fuse 10 amp.

18670-0943

24 volt DC model, fuse 10 amp (Non CE).

6303-0003

Replacement Impeller.

23680-4003

12 volt DC model, fuse 15 amp.

For service and spare parts listing see page 207

## Utility Puppy 2000

Continuous rated Utility Puppy 2000 offers high flow for bilge, deck wash and general purpose use, and ten minutes dry running.

- 8.33 usgpm (32 lpm) output at 10ft (3m) total head.
- Dry running for twenty minutes after initial use.
- Bilge debris presents no problem to this bronze bodied, flexible impeller design.
- Simple design means fewer wearing parts - all user serviceable.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).
- ISO 8849 MARINE (Bilge Pump Standard).



<b>FLOW</b>	8.33 usgpm (32 lpm)
<b>SELF PRIMING</b>	up to 4ft (1.2m) vertical lift
<b>FITTING</b>	Connections for 3/4" male threads.
<b>SIZE</b>	71/2" long x 43/4" wide x 31/2" high (19cm x 12cm x 9cm).
<b>WEIGHT</b>	9.7lb (3.4kg).

23920-2403

12 volt DC BSP model, fuse 15 amp.

23920-9403

12 volt DC NPT model, fuse 15 amp.

23920-2503

24 volt DC BSP model, fuse 10 amp.

23920-9503

24 volt DC NPT model, fuse 10 amp.

For service and spare parts listing see page 207

## Utility Puppy 3000

Continuous rated heavy duty Utility Puppy 3000 offers very high flow for bilge, deck wash and general purpose use, and ten minutes dry running.

- 11.33 usgpm (43 lph) output at 10ft (3m) total head.
- Dry running for ten minutes after initial use.
- Mechanical seal for extra long life.
- Bilge debris presents no problem to this bronze bodied, flexible impeller design.
- Simple design means fewer wearing parts - all user serviceable.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).
- ISO 8849 MARINE (Bilge Pump Standard).



<b>FLOW</b>	11.33 usgpm (43 lpm)
<b>SELF PRIMING</b>	up to 8ft (2.4m) vertical lift
<b>FITTING</b>	Connections for 3/4" male threads
<b>SIZE</b>	81/2" long x 43/4" wide x 31/2" high (22cm x 12cm x 9cm).
<b>WEIGHT</b>	8lb (3.6kg).

23920-2213

12 volt DC BSP model, fuse 15 amp.

23920-9213

12 volt DC NPT model, fuse 25 amp.

23920-2313

24 volt DC BSP model, fuse 10 amp.

23920-9313

24 volt DC NPT model, fuse 15 amp.

For service and spare parts listing see page 207

## Maxi Puppy 3000

High flow, continuously rated bilge pump offering good discharge head.

- 11 usgpm (44 lpm) output at 3m (10ft) total head.
- Bilge debris presents no problem to this bronze bodied, flexible impeller design.
- Simple design means fewer wearing parts - all user serviceable.
- ISO 8846 MARINE (Ignition Protected).
- ISO 8849 MARINE (Bilge Pump Standard).

<b>FLOW</b>	11 usgpm (44 lpm)
<b>SELF PRIMING</b>	up to 8ft (2.4m) vertical lift
<b>FITTING</b>	Connections for 1" (25mm) ID hose, or 1/2" BSP male threads. Do not use pipework of less than 19 mm (3/4") internal diameter.
<b>SIZE</b>	8 1/2" long x 4 3/4" wide x 3 1/2" high (22cm x 12cm x 9cm).
<b>WEIGHT</b>	8lb (3.6kg).



<b>23610-3003</b> 12 volt DC model, fuse 20 amp.	<b>23610-3103</b> 24 volt DC model, fuse 10 amp.	<b>7273-0003</b> Replacement Impeller.
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For service and spare parts listing see page 207

## Junior Puppy

High discharge head continuously rated bilge pump.

- 3.75 usgpm (15 lpm) output at 10ft (3m) total head.
- Bilge debris presents no problem to this bronze bodied, flexible impeller design.
- Simple design means fewer wearing parts - all user serviceable.
- ISO 8846 MARINE (Ignition Protected).
- ISO 8849 MARINE (Bilge Pump Standard).

<b>FLOW</b>	3.75 usgpm (15 lpm)
<b>SELF PRIMING</b>	up to 5ft (1.5m) vertical lift
<b>FITTING</b>	Connections for 3/8" BSP male threads, or 19mm (3/4") ID hose.
<b>SIZE</b>	7 1/8" long x 4 1/4" wide x 3 1/4" high (18cm x 11cm x 9 cm).
<b>WEIGHT</b>	6.6lb (3kg).



<b>23670-4003</b> 12 volt DC model, fuse 15 amp.	<b>23670-4103</b> 24 V model, fuse 10 amp.	<b>SK400-0023</b> Service Kit, includes 9200-0003 Nitrile Impeller.
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For service and spare parts listing see page 207

## Mini Puppy

Compact continuously rated low flow pump.

- 1.38 usgpm (5.5 lpm) output at 10ft (3m) total head.
- Small bilge debris presents no problem to this Brass bodied pump.
- Simple design means fewer wearing parts - all user serviceable.
- ISO 8846 MARINE (Ignition Protected)
- ISO 8849 MARINE (Bilge Pump Standard)

<b>FLOW</b>	1.38 usgpm (5.5 lpm)
<b>SELF PRIMING</b>	up to 5ft (1.5m) vertical lift
<b>FITTING</b>	Connections for 3/8" BSP male threads, or 19mm (3/4") ID hose.
<b>SIZE</b>	6" long x 4 3/4" wide x 3 1/2" high (15cm x 12 cm x 8cm).
<b>WEIGHT</b>	2lb (0.9kg).



<b>23620-4003</b> 12 volt DC model, fuse 5 amp.	<b>23620-4103</b> 24 volt DC model, fuse 3 amp.	<b>SK374-0003</b> Service Kit, includes 1414-0003 Nitrile Impeller.
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For service and spare parts listing see page 207

# 02 Bilge Pumping Systems

ENGINE DRIVEN, ELECTRIC CLUTCH PUMPS

## 18330 Series Electric Clutch Pumps

This manually activated clutch pump offers all the benefits of flexible impeller pumps with a high capacity flow rate and horizontally oriented ports.

- 78.5 usgpm (314 lpm) at 10ft (3m) total head @ 1750 rpm.
- Mechanical face type shaft seal.
- Nitrile impeller.
- Two pulley options to accommodate either A and B size belts.
- Two single-row shaft ball bearings.



<b>FLOW</b>	78.5 usgpm (314 lpm)
<b>SELF PRIMING</b>	up to 15ft (4.5m) vertical lift
<b>FITTING</b>	2" NPT.
<b>SIZE</b>	12-7/16" long x 5-15/16" wide x 5-3/4" high (excluding pulley Pulley diameter - 7").
<b>WEIGHT</b>	24lb (11kg).

**18330-0000**  
12 volt DC Pump with double A groove Pulley.

**18330-0040**  
12 volt DC Pump with single B groove Pulley.

**18330-0001**  
24 volt DC Pump with double A groove Pulley.

**18330-0041**  
24 volt DC Pump with single B groove Pulley.

For service and spare parts listing see page 172

## 11870 Series Electric Clutch Pumps

This electrically activated clutch pump offers all the benefits of flexible impeller pumps with a substantial flow rate and horizontally oriented ports. The electric clutch offers convenient remote activation.

- 58.75 usgpm (235 lpm) at 10ft (3m) total head @ 1750 rpm.
- Mechanical face type shaft seal.
- Nitrile impeller.
- Two pulley options to accommodate either A and B size belts.
- Double-row ball bearing.



<b>FLOW</b>	58.75 usgpm (235 lpm)
<b>SELF PRIMING</b>	up to 15ft (4.5m) vertical lift
<b>FITTING</b>	1 1/4" NPT.
<b>SIZE</b>	8 3/16" long x 5 7/8" wide x 5 1/2" high (excluding pulley) Pulley diameter - 7".
<b>WEIGHT</b>	18lb (8kg).

**11870-0005**  
12 volt DC Pump with double A groove Pulley.

**11870-0045**  
12 volt DC Pump with single B groove Pulley.

**11870-0006**  
24 volt DC Pump with double A groove Pulley.

**11870-0046**  
24 volt DC Pump with single B groove Pulley.

**11870-0007**  
32 volt DC Pump with double A groove Pulley.

For service and spare parts listing see page 168

## 50580 Series Electric Clutch Pumps

Heavy duty bilge and deckwash pump belt driven from the engine, for leisure and commercial craft.

- 24.5 usgpm (81.33 lpm) at 10ft (3m) total head @ 1,500 rpm.
- Bilge debris present no problems to this robust bronze bodied flexible impeller pump.
- Can be remotely controlled from outside the engine room and can be automatically shut off by fitting a vacuum cut off switch.
- Neoprene impeller is fitted as standard.



	NORTH AMERICAN	EUROPEAN
<b>FLOW</b>	24.5 usgpm (81.33 lpm)	24.5 usgpm (81.33 lpm)
<b>SELF PRIMING</b>	up to 15ft (4.5m) vertical lift	up to 15ft (4.5m) vertical lift
<b>FITTING</b>	1" NPT.	1" BSP internal thread
<b>SIZE</b>	6 1/2" long x 5" wide x 7" high (160mm x 120mm x 178mm).	6 1/2" long x 5" wide x 7" high (160mm x 120mm x 178mm).
<b>WEIGHT</b>	11lbs (5kg).	11lbs (5kg).

**50580-9001**  
12 volt DC 2A Pulley E/M Clutch, fuse 5 amp.

**50580-9101**  
24 volt DC 2A Pulley E/M Clutch, fuse 2.5 amp.

**50580-9201**  
12 volt DC 1B Pulley E/M Clutch, fuse 5 amp.

**50580-9301**  
24 volt DC 1B Pulley E/M Clutch, fuse 2.5 amp.

For service and spare parts listing see page 208-239.

## 50270 Series Electric Clutch Pumps

Very heavy duty bilge and deckwash pump belt driven from the engine, for leisure and commercial craft.

- 68.33 usgpm (272.5 lpm) at 10ft (3m) total head @ 1,500 rpm.
- Bilge debris present no problems to this robust bronze bodied flexible impeller pump.
- Can be remotely controlled from outside the engine room and can be automatically shut off by fitting a vacuum cut off switch.
- Neoprene impeller is fitted as standard



<b>FLOW</b>	68.33 usgpm (272.5 lpm)
<b>SELF PRIMING</b>	up to 15ft (4.5m) vertical lift.
<b>FITTING</b>	2" BSP internal thread/ optional 2" flange.
<b>SIZE</b>	10" long x 7" wide x 7" high (264mm x 170mm x 178mm).
<b>WEIGHT</b>	27lb (12.2kg).

<b>50270-X011</b> 12 volt DC 2A Pulley E/M Clutch, fuse 5 amp.	<b>50270-X211</b> 12 volt DC 1B Pulley E/M Clutch, fuse 5 amp.
<b>50270-X111</b> 24 volt DC 2A Pulley E/M Clutch, fuse 2.5 amp.	<b>50270-X311</b> 24 volt DC 1B Pulley E/M Clutch, fuse 2.5 amp.

'X' = 0, flanged ports, 'X' = 2, BSP ports.

For service and spare parts listing see page 192-193

## 50220 Series Electric Clutch Pumps

Very heavy duty bilge, deckwash, and fire fighting pump belt driven from the engine, for leisure and commercial craft.

- 48.75 usgpm (195 lpm) at 10ft (3m) total head @ 1,500 rpm.
- Bilge debris present no problems to this robust bronze bodied flexible impeller pump.
- Can be remotely controlled from outside the engine room and can be automatically shut off by fitting a vacuum cut off switch.
- Neoprene impeller is fitted as standard.



<b>FLOW</b>	48.75 usgpm (195 lpm)
<b>SELF PRIMING</b>	up to 15ft (4.5m) vertical lift.
<b>FITTING</b>	1½" flange
<b>SIZE</b>	9½" long x 6" wide x 7" high (239mm x 153mm x 178mm).
<b>WEIGHT</b>	25lbs (11.2kg)

<b>50220-0011</b> 12 volt DC 2A Pulley E/M Clutch, fuse 5 amp.	<b>50220-0211</b> 12 volt DC 1B Pulley E/M Clutch, fuse 5 amp.
<b>50220-0111</b> 24 volt DC 2A Pulley E/M Clutch, fuse 2.5 amp.	<b>50220-0311</b> 24 volt DC 1B Pulley E/M Clutch, fuse 2.5 amp.

For service and spare parts listing see page 192

## 50200 Series Electric Clutch Pumps

Very heavy duty bilge, deckwash, and firefighting pump belt driven from the engine, for leisure and commercial craft.

- 48.75 usgpm (195 lpm) at 10ft (3m) total head @ 1,500 rpm.
- Bilge debris present no problems to this robust bronze bodied flexible impeller pump.
- Can be remotely controlled from outside the engine room and can be automatically shut off by fitting a vacuum cut off switch.
- Neoprene impeller is fitted as standard.



<b>FLOW</b>	48.75 usgpm (195 lpm)
<b>SELF PRIMING</b>	up to 15ft (4.5m) vertical lift
<b>FITTING</b>	1½" BSP internal thread.
<b>SIZE</b>	9½" long x 6" wide x 7" high (239mm x 153mm x 178mm).
<b>WEIGHT</b>	25lbs (11.2kg).

<b>50200-2011</b> 12 volt DC 2A Pulley E/M Clutch, fuse 5 amp.	<b>50200-2211</b> 12 volt DC 1B Pulley E/M Clutch, fuse 5 amp.	<b>50200-9303</b> 24 volt DC 1B Pulley E/M Clutch, fuse 3 amp.
<b>50200-2111</b> 24 volt DC 2A Pulley E/M Clutch, fuse 2.5 amp.	<b>50200-9203</b> 12 volt DC 1B Pulley E/M Clutch, fuse 5 amp.	

For service and spare parts listing see page 208-239.

# 02 Bilge Pumping Systems

ENGINE DRIVEN, MANUAL CLUTCH PUMPS

## 51200 Series Manual Clutch Pumps

Heavy duty bilge and deckwash pump belt driven from the engine, for leisure and commercial craft.

- 48.75 usgpm (195 lpm) at 10ft (3m) total head @ 1,500 rpm.
- Bilge debris present no problems to this robust bronze bodied flexible impeller pump.
- Dependable manual control will operate even under the toughest conditions.
- Clutch pulley will accommodate both A and B type pulley belts.
- Easily serviced and maintained.
- Neoprene impeller is fitted as standard, optional nitrile impeller available.

<b>FLOW</b>	48.75 usgpm (195 lpm)
<b>SELF PRIMING</b>	up to 15ft (4.5m) vertical lift
<b>FITTING</b>	1½" BSP internal thread.
<b>SIZE</b>	9½" long x 6" wide x 9" high (244mm x 150mm x 226mm).
<b>WEIGHT</b>	18lbs (8kg).

51200-2011  
Manual Clutch.

For service and spare parts listing see page 196

## 51200-9013 Manual Clutch Pumps



This manually activated clutch pump offers all the benefits of flexible impeller pumps with a substantial flow rate.

- 48.75 usgpm (195 lpm) at 10ft (3m) total head @ 1500 rpm.
- Mechanical face type shaft seal.
- Nitrile impeller.
- Clutch pulley accommodates both A and B size belts.
- Double-row ball bearing.

<b>FLOW</b>	48.75 usgpm (195 lpm)
<b>SELF PRIMING</b>	up to 15ft (4.5m) vertical lift
<b>FITTING</b>	1½" NPT.
<b>SIZE</b>	9½" long x 5½" wide (excluding pulley) x 8⅞" high; Pulley diameter - 7".
<b>WEIGHT</b>	18lb (8kg).

51200-9013  
Pump with Nitrile Impeller, Full Cam and Mechanical Seal.

For service and spare parts listing see page 196

## 51270 Series Manual Clutch Pumps

Very heavy duty bilge, deckwash, and firefighting pump belt driven from the engine, for leisure and commercial craft.

- 68.33 usgpm (272.5 lpm) at 10ft (3m) total head @ 1,500 rpm.
- Bilge debris present no problems to this robust bronze bodied flexible impeller pump.
- Dependable manual control will operate even under the toughest conditions.
- Clutch pulley will accommodate both A and B type pulley belts.
- Easily serviced and maintained.
- Neoprene impeller is fitted as standard.

<b>FLOW</b>	68.33 usgpm (272.5 lpm)
<b>SELF PRIMING</b>	up to 15ft (4.5m) vertical lift.
<b>FITTING</b>	2" BSP Internal Thread/ Optional 2" Flange
<b>SIZE</b>	12" long x 7" wide x 9" high (316mm x 170mm x 224mm).
<b>WEIGHT</b>	25lbs (11kg).

51270-0011  
Manual Clutch, flanged ports.

51270-2011  
Manual Clutch, BSP ports.

For service and spare parts listing see page 196

## 51270-9013 Manual Clutch Pumps



This manually activated clutch pump offers all the benefits of flexible impeller pumps with a high capacity flow rate and horizontally oriented ports. Very heavy duty bilge, deckwash, and firefighting pump belt driven from the engine, for leisure and commercial craft.

- 68.33 usgpm (272.5 lpm) at 10ft (3m) total head @ 1500 rpm.
- Mechanical face type shaft seal.
- Nitrile impeller.
- Clutch pulley accommodates both A and B size belts.
- Two single-row shaft ball bearings.

<b>FLOW</b>	68.33 usgpm (272.5 lpm)
<b>SELF PRIMING</b>	up to 15ft (4.5m) vertical lift
<b>FITTING</b>	2" NPT.
<b>SIZE</b>	12⅞" long x 5½" wide (excluding pulley) x 8⅞" high; Pulley dia. 7".
<b>WEIGHT</b>	24lb (11kg).

51270-9013  
Pump with Nitrile Impeller, Full Cam and Mechanical Seal.

For service and spare parts listing see page 196

## 51580 Series Manual Clutch Pumps

Heavy duty bilge and deckwash pump belt driven from the engine, for leisure and commercial craft.

- 24.5 usgpm (81.33 lpm) at 10ft (3m) total head @ 1,500 rpm.
- Bilge debris present no problems to this robust bronze bodied flexible impeller pump.
- Dependable manual control will operate even under the toughest conditions.
- Clutch pulley will accommodate both A and B type pulley belts.
- Easily serviced and maintained.
- Neoprene impeller is fitted as standard.



<b>FLOW</b>	24.5 usgpm (81.33 lpm)
<b>SELF PRIMING</b>	up to 15ft (4.5m) vertical lift
<b>FITTING</b>	1" BSP internal thread
<b>SIZE</b>	8" long x 5" wide x 7½" high (198mm x 120mm x 189mm)
<b>WEIGHT</b>	11lbs (5kg)

51580-2001  
Manual Clutch.

For service and spare parts listing see page 208-239

## 51580-9001 Manual Clutch Pumps

This manually activated clutch pump offers all the benefits of flexible impeller pumps with a moderate flow rate and horizontally oriented ports.

- 24.5 usgpm (81.33 lpm) at 10ft (3m) total head @ 1500 rpm.
- Mechanical face type shaft seal.
- Neoprene impeller.
- Clutch pulley accommodates both A and B size belts.
- Spaced sealed for life bearings.

<b>FLOW</b>	24.5 usgpm (81.33 lpm)
<b>SELF PRIMING</b>	up to 15ft (4.5m) vertical lift
<b>FITTING</b>	1" NPT
<b>SIZE</b>	7 <sup>13</sup> / <sub>16</sub> " long x 4 <sup>3</sup> / <sub>4</sub> " wide (excluding pulley) x 7 <sup>9</sup> / <sub>16</sub> " high; Pulley diameter - 6"
<b>WEIGHT</b>	9lb (4kg)-

51580-9001  
Pump with Manual Clutch.

For service and spare parts listing see page 208-239

## 51220 Series Manual Clutch Pumps

Very heavy duty bilge, deckwash, and firefighting pump belt driven from the engine, for leisure and commercial craft.

- 45.42 usgpm (195 lpm) at 10ft (3ft) total head @ 1,500 rpm.
- Self-priming up to 15ft (4.5m) vertical lift.
- Bilge debris present no problems to this robust bronze bodied flexible impeller pump.
- Dependable manual control will operate even under the toughest conditions.
- Clutch pulley will accommodate both A and B type pulley belts.
- Easily serviced and maintained.
- Neoprene impeller is fitted as standard.



<b>FLOW</b>	45.42 usgpm (195 lpm)
<b>SELF PRIMING</b>	up to 15ft (4.5m) vertical lift
<b>FITTING</b>	1½" flange.
<b>SIZE</b>	11½" long x 6" wide x 9" high (292mm x 152mm x 226mm).
<b>WEIGHT</b>	22lbs (10kg).

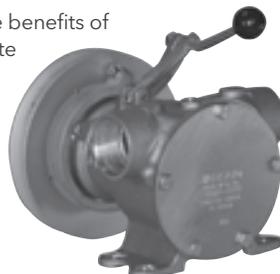
51220-0011  
Manual Clutch

For service and spare parts listing see page 196

## 6590-0005 Manual Clutch Pumps

This manually activated clutch pump offers all the benefits of flexible impeller pumps with a substantial flow rate and horizontally oriented ports.

- 58.92 usgpm (235 lpm) at 10ft (3m) total head @ 1750 rpm.
- Nitrile impeller.
- Clutch pulley accommodates a B size belt.
- Double-row ball bearing.



<b>FLOW</b>	58.92 usgpm (235 lpm)
<b>SELF PRIMING</b>	up to 10ft (3m) vertical lift
<b>FITTING</b>	1¼" NPT.
<b>SIZE</b>	8 <sup>1</sup> / <sub>16</sub> " long x 5 <sup>1</sup> / <sub>2</sub> " wide (excluding pulley) x 8 <sup>1</sup> / <sub>8</sub> " high; Pulley diameter - 6".
<b>WEIGHT</b>	18lb (8kg).

6590-0005  
Pump with Nitrile Impeller, Full Cam and Mechanical Seal.

For service and spare parts listing see page 154

# 02 Bilge Pumping Systems

## ACCESSORIES

### 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.

Padlock  
NOT included



<b>FITTING</b>	Connections for with both 1½" (38mm) ports and extra 1" (25mm) straight inlet port.
<b>SIZE</b>	7¾" long x 7¼" wide x 4½" high (20cm x 19cm x 12cm).
<b>WEIGHT</b>	2lb (0.9kg).

45490-1000  
Y-Valve.  
45500-1000  
Handle Extension Kit.  
45488-0000  
Service Kit.  
45493-0000  
Replacement Handle.  
18753-0661  
Replacement Ports Kit.

### Bilge Strainers with Non-return Valves

Stop bilge debris blocking inlet suction hose and reduces the risk of debris entering and blocking the pump.

- Non-return valve fitted to stop bilge water draining back when pumping stops.
- Repositional ports allow horizontal, vertical or sideways hose leads.
- Easily removable strainer plate for cleaning.
- Corrosion resistant materials throughout.



<b>FITTING</b>	Connections for ¾", 1" or 1½" (19mm, 25mm or 38mm) ID hose.
<b>SIZE</b>	6¾" long x 2¾" wide x 2½" high (17cm x 7.2cm x 6cm).
<b>WEIGHT</b>	¼ lb (0.1 kg).

29290-1020  
Bilge Strainer for ¾" (19mm) ID Hose.  
29290-1000  
Bilge Strainer for 1" (25mm) ID Hose.  
29290-1010  
Bilge Strainer for 1½" (38mm) ID Hose.

## Vacuum Switch

Protects any 12 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 integral mounting point



### WARNING

Jabsco Vacuum Switch is not ignition protected, do not install where flammable vapors are present.

<b>FITTING</b>	Connection for 1/4" female thread and supplied with 1/4" x 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.
<b>SIZE</b>	4" diameter x 3 1/2" high (11cm x 9cm).
<b>WEIGHT</b>	1 1/2lb (0.7kg).

4732-0000  
Vacuum Switch.