

# 05 Water Pressure Systems

INTRODUCTION

**JABSCO®**

## Pressure Controlled Diaphragm Pumps



Pressure controlled diaphragm pumps provide boat owners with a fresh water 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 which 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 3/8" (10mm) bore for minimum water use to 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.

## Accumulator Tanks



Accumulator tanks hold a reservoir of air and water downstream from the pump. The air acts as a cushion, absorbing pump and pressure fluctuations, smoothing the flow and making the system quieter. Accumulators allow the pump to reach shut-off pressure more smoothly which reduces the on/off cycle and gives better control of hot water delivery.

Our accumulator tanks all have a bladder that separates water from air. The bladder is pre-pressurized, but may need fine tuning when installed to give the most efficient performance. One of the advantages of an accumulator tank is that they can dispense up to half of their capacity of water even when the pump is switched off. So the bigger the reservoir, the more water you have available without having to switch the pump on, helping you wash your hands or clean your teeth without noise.

## Washdown Pumps

Washdown pumps are a development of our Water Pressure System Pumps. Higher shut-off pressure switches prevent on/off cycling while salt water compatible trigger nozzles let you blast off mud and dirt and then rinse down.



## Water Pressure Regulators

Inlet water regulators are designed to protect your boat water system plumbing and fixtures from the possible high pressure of municipal water systems. Regulation is controlled at all flow rates by a pre-set spring, and a removable strainer traps debris. Both in-line portable and permanent flush mount models are available in our line of diaphragm sealed regulators.

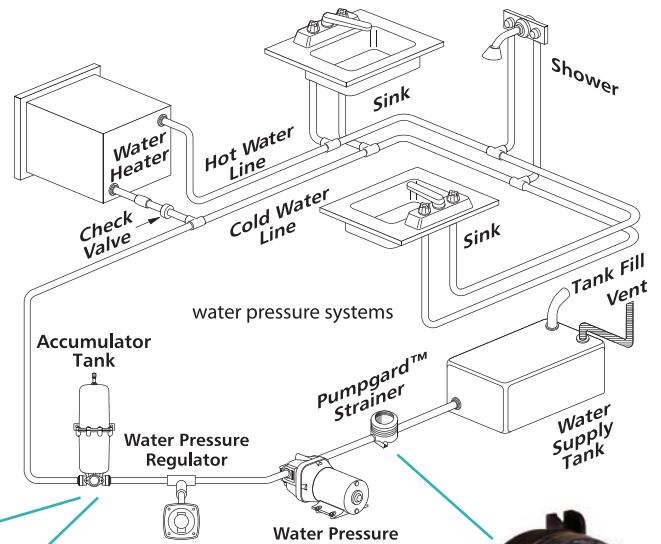


## Pumpgard™ Strainers

Inlet strainers are an essential part of any fresh water system using a diaphragm pump – protecting the valves from small particles in the water. Our Pumpgards™ have been designed for easy installation and rapid filter screen cleaning, having a transparent bowl that screws off to allow simple, regular inspection.



## Multi-Outlet Water Pressure Systems



1, 1.9, 2.9, 4, 5, and 6 GPM

Water Pressure Regulators

# 05 Water Pressure Systems

AUTOMATIC PRESSURE CONTROLLED PUMPS



## PAR-Max 1

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



- Self-priming up to 6' (1.8m).
- Dual diaphragm operation.
- Thermal overload protection automatically stops motor should it overheat due to overload, with 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).
- Three-year warranty.

<b>FLOW</b>	1 GPM (3.8 LPM)
<b>SHUT-OFF PRESSURE</b>	35 psi (2.4 bar)
<b>FITTING</b>	Two 1/4" (6mm) straight John Guest
<b>SIZE</b>	6.47" long x 4.05" wide x 2.66" high (16.4cm x 10.3cm x 6.8cm)
<b>WEIGHT</b>	1.3lb (0.6kg)

MODEL	DESCRIPTION
42630-2992-P	12V DC, fuse 4 amp, 3.5 amp draw @ 25 psi
42630-2994-P	24V DC, fuse 3 amp, 2.5 amp draw @ 25 psi
42630-3992-P	12V DC, fuse 4 amp, 3.5 amp draw @ 25 psi, tubing, faucet
42630-3994-P	24V DC, fuse 3 amp, 2.5 amp draw @ 25 psi, tubing, faucet

## PAR-Max 1.9

The PAR-Max 1.9 Water System Pump is designed for vessels requiring a smooth low flow, 12 or 24 volt DC pump at an attractive low price. This new pump is an internally grounded, three chamber diaphragm on-demand pump with the performance characteristics to match the needs of a typical vessel with a shower, water heater and up to three faucets.



Offers a smooth flow of up to 1.9 GPM (7.2 LPM) and is fitted with a built-in pulsation dampening bypass to control unwanted cycling and noise. We include quick-connect fittings for ease of pump installation.

- Self-priming up to 6-10' (2-3m).
- Dry running.
- Soft rubber mounts.
- Corrosion resistant.
- Complies with ISO 8846 MARINE (Ignition Protection).
- Low noise.
- Less pulsation in the flow.
- Screw-less diaphragm design eliminates possible leak paths.
- Distinctive style.
- Can eliminate the requirement for an accumulator tank.
- Three-year warranty.

<b>FLOW</b>	1.9 GPM (7.2 LPM)
<b>SHUT-OFF PRESSURE</b>	25 psi (1.7 bar)
<b>FITTING</b>	Two 1/2" (13mm) straight pipe thread ports, two 1/2" (13mm) straight hose barbs
<b>SIZE</b>	9" long x 4.24" wide x 4.75" high (22.9cm x 10.6cm x 12.1cm)
<b>WEIGHT</b>	3lb (1.4kg)

MODEL	DESCRIPTION
31295-0092	12V DC, fuse 10 amp, 5.2 amp draw @ 10 psi
31295-0094	24V DC, fuse 5 amp, 1.5 amp draw @ 10 psi

For service and spare parts listing, see page 238.

## PAR-Max 2.9

The PAR-Max 2.9 Water System Pump offers a smooth flow of up to 2.9 GPM (10.9 LPM) and is fitted with a built-in pulsation dampening bypass to control unwanted cycling and noise. We include quick-connect fittings for ease of pump installation.



- Self-priming up to 6-10' (2-3m).
- Dry running.
- Soft rubber mounts.
- Corrosion resistant.
- Complies with ISO 8846 MARINE (Ignition Protection).
- Low noise.
- Less pulsation in the flow.
- Screw-less diaphragm design eliminates possible leak paths.
- Distinctive style.
- Can eliminate the requirement for an accumulator tank.
- Three-year warranty.

<b>FLOW</b>	2.9 GPM (11 LPM)
<b>SHUT-OFF PRESSURE</b>	25-50 psi (1.7-3.5 bar)
<b>FITTING</b>	Two 1/2" (13mm) straight hose barbs
<b>SIZE</b>	9" long x 4.24" wide x 4.75" high (22.9cm x 10.6cm x 12.1cm)
<b>WEIGHT</b>	4lb (1.8kg)

MODEL	DESCRIPTION
31395-0092	50 psi (3.5 bar), 12V DC, fuse 10 amp, 7.5 amp draw @ 50 psi
31395-0094	50 psi (3.5 bar), 24V DC, fuse 5 amp, 2.6 amp draw @ 10 psi
31395-0292	25 psi (1.7 bar), 12V DC, fuse 10 amp, 7.5 amp draw @ 50 psi
31395-0294	25 psi (1.7 bar), 24V DC, fuse 5 amp, 2.6 amp draw @ 10 psi
31395-0392	40 psi (2.8 bar), 12V DC, fuse 10 amp, 7.5 amp draw @ 50 psi
31395-0394	40 psi (2.8 bar), 24V DC, fuse 5 amp, 2.6 amp draw @ 10 psi

For service and spare parts listing, see page 238.

## PAR-Max 3.5

This conventional pressure switch controlled pump enjoys the same pulsation-free three chamber diaphragm design as our PAR-Max 2.9 and 1.9, but incorporates a heavy-duty motor, giving higher flows and long life for such a small footprint.



Like all Jabsco Water Pressure System Pumps, it is inherently quiet, self-priming and can run dry without damage. Quick-connect fittings are included.

- Self-priming up to 10' (3m).
- Three-year warranty.

<b>FLOW</b>	3.5 GPM (13.2 LPM)
<b>SHUT-OFF PRESSURE</b>	25-40 psi (1.7-2.8 bar)
<b>FITTING</b>	Two 1/2" (13mm) straight hose barbs, Two 1/2" (13mm) straight QEST
<b>SIZE</b>	9" long x 4.24" wide x 4.75" high (22.9cm x 10.6cm x 12.1cm)
<b>WEIGHT</b>	5lb (2.1kg)

MODEL	DESCRIPTION
32600-0092	40 psi (2.8 bar), 12V DC, fuse 15 amp, 8 amp draw @ 10 psi
32600-0094	40 psi (2.8 bar), 24V DC, fuse 10 amp, 4 amp draw @ 10 psi
32600-0292	25 psi (1.78 bar), 12V DC, fuse 15 amp, 8 amp draw @ 10 psi
32600-0294	25 psi (1.7 bar), 24V DC, fuse 10 amp, 4 amp draw @ 10 psi

## PAR-Max 4.0

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 motor should it overheat due to overload, with 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).

<b>FLOW</b>	4.3 GPM (16.3 LPM)
<b>SHUT-OFF PRESSURE</b>	25-40 psi (1.7-2.8 bar)
<b>FITTING</b>	Two 1/2" (13mm) straight hose barbs, Two 1/2" (13mm) straight QEST
<b>SIZE</b>	9.8" long x 4.2" wide x 4.1" high (25cm x 10.6cm x 10cm)
<b>WEIGHT</b>	6lb (2.7kg)

MODEL	DESCRIPTION
31620-0092	40 psi (2.8 bar), 12V DC, fuse 15 amp, 6 amp draw @ 10 psi
31620-0094	40 psi (2.8 bar), 24V DC, fuse 7 amp, 3 amp draw @ 10 psi
31620-0292	25 psi (1.7 bar), 12V DC, fuse 15 amp, 6 amp draw @ 10 psi
31620-0294	25 psi (1.7 bar), 24V DC, fuse 7 amp, 3 amp draw @ 10 psi

# 05 Water Pressure Systems

AUTOMATIC PRESSURE CONTROLLED PUMPS



## PAR-Max Plus Series

The high pressure capability of the new Jabsco PAR-Max Plus Series Water Pressure Pumps, available in 4.0, 5.0 and 6.0 GPM models, provides exceptional flow and consistent water pressure to easily handle the demand of multiple outlets at one time.



All PAR-Max Plus models include soft rubber mounts and quick-connect fittings for ease of installation.

- Sealed switch and co-molded diaphragm eliminates leak paths, extending the life of the pumps by up to 50%.
- Automatic pressure switch, tested over 4 million cycles without failure.
- Quick-disconnect ports allow for adjustability and ease of installation.
- Improved noise dampening rubber feet significantly minimize vibration when mounted against hard surface.
- Available in 12V or 24V DC.
- Certified to EN ISO 8846 Marine (Ignition Protection).

<b>FLOW</b>	4.0-6.0 GPM (15.1-22.7 LPM)
<b>SHUT-OFF PRESSURE</b>	25-60 psi (1.7-4.3 bar)
<b>FITTING</b>	4.0 and 5.0 Models: Two 1/2" (13mm) straight hose barbs, Two 1/2" (13mm) straight QEST, Two 1/2" (13mm) elbow QEST 6.0 Model: Two 3/4" (19mm) straight QEST, Two 3/4" (19mm) elbow QEST
<b>SIZE</b>	4.0 Model: 9.91" long x 5.09" wide x 4.34" high (25.2cm x 112.9cm x 11.1cm) 5.0 and 6.0 Models: 10.6" long x 5.09" wide x 4.34" high (26.9cm x 112.9cm x 11.1cm)
<b>WEIGHT</b>	4.0 Model: 7.6lb (3.5kg) 5.0 and 6.0 Models: 7.6lb (3.5kg)

### 4.0 GPM MODELS

MODEL	DESCRIPTION
82400-0092	60 psi (4.3 bar), 12V DC, fuse 20 amp, 15 amp draw maximum
82400-0094	60 psi (4.3 bar), 24V DC, fuse 15 amp, 6 amp draw @ 60 psi
82400-0292	40 psi (2.8 bar), 12V DC, fuse 15 amp, 9 amp draw @ 40 psi
82400-0294	40 psi (2.8 bar), 24V DC, fuse 15 amp, 6 amp draw @ 40 psi
82400-0392	25 psi (1.7 bar), 12V DC, fuse 15 amp, 9.5 amp draw @ 25 psi
82400-0394	25 psi (1.7 bar), 24V DC, fuse 15 amp, 5 amp draw @ 25 psi

### 5.0 GPM MODELS

MODEL	DESCRIPTION
82500-0092	60 psi (4.3 bar), 12V DC, fuse 20 amp, 15 amp draw maximum
82500-0094	60 psi (4.3 bar), 24V DC, fuse 15 amp, 7.5 amp draw maximum
82500-0292	40 psi (2.8 bar), 12V DC, fuse 20 amp, 11.5 amp draw maximum
82500-0294	40 psi (2.8 bar), 24V DC, fuse 15 amp, 6 amp draw maximum
82500-0392	25 psi (1.7 bar), 12V DC, fuse 20 amp, 12.5 amp draw maximum
82500-0394	25 psi (1.7 bar), 24V DC, fuse 15 amp, 6 amp draw maximum

### 6.0 GPM MODELS

MODEL	DESCRIPTION
82600-0092	60 psi (4.3 bar), 12V DC, fuse 20 amp, 17 amp draw maximum
82600-0094	60 psi (4.3 bar), 24V DC, fuse 15 amp, 8.5 amp draw maximum
82600-0292	40 psi (2.8 bar), 12V DC, fuse 20 amp, 15 amp draw maximum
82600-0294	40 psi (2.8 bar), 24V DC, fuse 15 amp, 8 amp draw maximum
82600-0392	25 psi (1.7 bar), 12V DC, fuse 20 amp, 15 amp draw maximum
82600-0394	25 psi (1.7 bar), 24V DC, fuse 15 amp, 8 amp draw maximum

For service and spare parts listing, see page 237.

## V-FLO 5.0 Water Pressure Pump

The new variable flow, constant water pressure pump now featuring the revolutionary new DiMOND technology, designed to automatically diagnose and monitor all aspects of your pump and water pressure system performance to prevent system failure. V-FLO is powered by a new variable speed drive that delivers the exact amount of water flow needed to perform the variety of onboard delivery tasks.

- Constant water pressure.
- Up to 50% less power consumption.
- Learns the boat's water pressure system to improve pump performance.



<b>FLOW</b>	5.0 GPM (19 LPM)
<b>SHUT-OFF PRESSURE</b>	25-60 psi (1.7-4.3 bar)
<b>FITTING</b>	One 3/4" (19mm) elbow hose barb, One 1/2" (13mm) elbow hose barb, Two 3/4" (19mm) straight QEST, One 3/4" (19mm) elbow QEST
<b>SIZE</b>	9.875" long x 6.125" wide x 4.75" high (25.1cm x 15.6cm x 12.1cm)
<b>WEIGHT</b>	8.2lb (3.2kg)

MODEL	DESCRIPTION
42755-0092	60 psi (4.3 bar), 12V DC, fuse 15 amp, 12 amp draw maximum, strainer
42755-0094	60 psi (4.3 bar), 24V DC, fuse 10 amp, 6 amp draw maximum, strainer
42755-0392	25 psi (1.7 bar), 12V DC, fuse 15 amp, 12 amp draw maximum, strainer
42755-0394	25 psi (1.7 bar), 24V DC, fuse 10 amp, 6 amp draw maximum, strainer

For service and spare parts listing, see page 236.

## Single Stack Water System

The Single Stack Water System is a fully assembled water pressure set which makes installation of water pressure systems simple. The system consists of a PAR-Max 4.0 Pump, strainer and pre-pressurized accumulator tank. Serves four or more outlets.

- Self-priming up to 10' (3m).
- Run-dry ability.
- Smooth, even flow.
- Thermal overload protection.
- Complies with ISO 8846 MARINE (Ignition Protection).
- Three-year warranty.



<b>FLOW</b>	4.8 GPM (18 LPM)
<b>SHUT-OFF PRESSURE</b>	40 psi (2.8 bar)
<b>FITTING</b>	Connections for 3/4" (19mm) hose tail
<b>SIZE</b>	12.2" long x 9.4" wide x 9.8" high (24cm x 31cm x 25cm)
<b>WEIGHT</b>	12lb (5.4kg)

MODEL	DESCRIPTION
52520-1000	12V DC model

# 05 Water Pressure Systems

AUTOMATIC PRESSURE CONTROLLED PUMPS



## Double Stack Water Systems



9 GPM Model

5.8 GPM Model

Two double stack water systems are available, medium flow (5.8 GPM, 22 LPM) for up to 5 outlets and high flow (9 GPM, 34 LPM) for up to 7 outlets. Both combine two pumps assembled onto a pre-pressurized accumulator tank to smooth flow and prevent pump cycling. Both sets are self-priming up to 6-10' (2-3m).

- Run-dry ability.
- Smooth, even flow.
- Two stage operation.
- Internal bladder accumulator tank.
- Thermal overload protection.
- Complies with ISO 8846 MARINE (Ignition Protection).
- Three-year warranty.

<b>FLOW</b>	9 GPM (34 LPM)
<b>SHUT-OFF PRESSURE</b>	40 psi (2.8 bar)
<b>FITTING</b>	Connections for 3/4" (19mm) hose tail
<b>SIZE</b>	13.6" long x 12.2" wide x 13.6" high (34.5cm x 31cm x 34.5cm)
<b>WEIGHT</b>	21lb (9.58kg)

MODEL	DESCRIPTION
52530-1000	9 GPM (34 LPM) Double Stack System, 12V DC
52530-1100	9 GPM (34 LPM) Double Stack System, 24V DC

<b>FLOW</b>	5.8 GPM (22 LPM)
<b>SHUT-OFF PRESSURE</b>	40 psi (2.8 bar)
<b>FITTING</b>	Connections for 1/2" (13mm) push fit, 3/4" (19mm) hose tail
<b>SIZE</b>	12.5" long x 9.5" wide x 13.8" high (32cm x 24cm x 35cm)
<b>WEIGHT</b>	15.2lb (6.9kg)

MODEL	DESCRIPTION
52530-3000	5.8 GPM (22 LPM) Double Stack System, 12V DC
52530-3100	5.8 GPM (22 LPM) Double Stack System, 24V DC

## Dual Max

Automatic two-stage water system with accumulator tank and Pumpgard™ strainer. Ideal for pleasure and commercial boats with high demand requirements.



<b>FLOW</b>	7.5 GPM (28.4 LPM)
<b>SHUT-OFF PRESSURE</b>	40 psi (2.8 bar)
<b>FITTING</b>	Three 3/4" (19mm) elbow hose barbs,
<b>SIZE</b>	14" long x 7.75" wide x 13.25" high (35.6cm x 19.7cm x 33.7cm)
<b>WEIGHT</b>	15lb (6.8kg)

MODEL	DESCRIPTION
31670-0092	12V DC, fuse 20 amp, 15 amp draw maximum
31670-0094	24V DC, fuse 10 amp, 7.5 amp draw maximum

## Ultra Max Water Pressure Set

A fully assembled pressure set that simplifies the installation of water pressure systems for both the professional and amateur installer. The set consists of a PAR-Max 3.5 Pump, strainer and pre-pressurized accumulator tank with quick-connect electrical connections on a rubber mounted board. Serves three or more 1/2" (13mm) outlets.



- Self-priming up to 10' (3m).
- Can be installed vertically or horizontally.
- Quadruple diaphragms for smooth and quiet operation.
- Thermal overload protection automatically stops motor should it overheat, with auto restart feature.
- Diaphragm design allows extended dry running.
- Pressure switch cut-in at 20 psi (1.4 bar), cut-out at 40 psi (2.8 bar).
- Maintenance-free potable water quality accumulator tank.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).
- Three-year warranty.

<b>FLOW</b>	3.5 GPM (13.2 LPM)
<b>SHUT-OFF PRESSURE</b>	40 psi (2.8 bar)
<b>FITTING</b>	Connections for 1/2" (13mm) ID hose or 1/2" (13mm) QEST fittings
<b>SIZE</b>	15.5" long x 15.75" wide x 5.5" high (39cm x 40cm x 14cm)
<b>WEIGHT</b>	6.6lb (3kg)

MODEL	DESCRIPTION
59451-1012	40 psi (2.8 bar), 12V DC, fuse 10 amp, high pressure version

## PAR 36800 Water Pressure Pump

This well-established and service-proven pump will serve up to four outlets simultaneously and generously.

- 3.3 GPM (12.5 LPM) open flow output.
- Self-priming and all other benefits as PAR 36900 below.
- Low pressure switch cut-in at 10 psi (0.7 bar), cut-out at 20 psi (1.4 bar).
- High pressure switch cut-in at 20 psi (1.4 bar), cut-out at 40 psi (2.8 bar).
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).



<b>FLOW</b>	3.3 GPM (12.5 LPM)
<b>FITTING</b>	Connections for 1/2" to 5/8" (13mm to 16mm) ID hose
<b>SIZE</b>	9-7/8" long x 6-1/2" wide x 8-3/8" high (25.1cm x 16.5cm x 21.3cm)
<b>WEIGHT</b>	11lb (5kg)

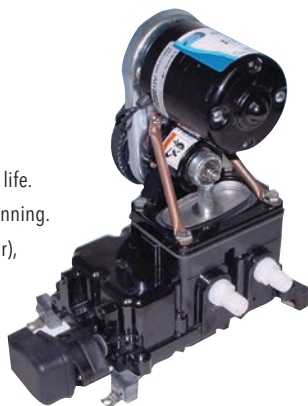
MODEL	DESCRIPTION
36800-0200	12V DC, fuse 8 amp, low pressure version
36800-0210	24V DC, fuse 4 amp, low pressure version
36800-1000	12V DC, fuse 8 amp, high pressure version
36800-1010	24V DC, fuse 4 amp, high pressure version
30122-0000	Service Kit

For service and spare parts listing, see page 235.

## PAR 36900 Water Pressure Pump

This well-established and service-proven pump will serve up to five outlets simultaneously and generously.

- 4.2 GPM (16 LPM) open flow output.
- Self-priming up to 5' (1.5m) vertical lift.
- Belt driven for quieter running and longer life.
- Diaphragm design allows extended dry running.
- Low pressure switch cut-in at 10 psi (0.7bar), cut-out at 20 psi (0.7 bar).
- High pressure switch cut-in at 20 psi (1.4 bar), cut-out at 40 psi (2.8 bar).
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).



<b>FLOW</b>	4.2 GPM (1.6 LPM)
<b>FITTING</b>	Connections for 1/2" to 5/8" (13mm to 16mm) ID hose
<b>SIZE</b>	9-7/8" long x 6-1/2" wide x 10" high (25.1cm x 16.5cm x 25.8cm)
<b>WEIGHT</b>	12lb (5.4kg)

MODEL	DESCRIPTION
36900-0200	12V DC, fuse 15 amp, low pressure version. Not available in the USA.
36900-0210	24V DC, fuse 5 amp, low pressure version. Not available in the USA.
36900-1000	12V DC, fuse 15 amp, high pressure version. Not available in the Europe.
36900-1010	24V DC, fuse 5 amp, high pressure version. Not available in the Europe.
30121-0000	Service Kit

For service and spare parts listing, see page 234.

## PAR 36950 Water Pressure Pump

This very popular service-proven pump serves up to four outlets simultaneously and generously.

- 3 GPM (11.4 LPM) open flow output.
- Self-priming and all other benefits as PAR 36900 above.
- Low pressure switch cut-in at 10 psi (0.7 bar), cut-out at 20 psi (1.4 bar).
- High pressure switch cut-in at 20 psi (1.4 bar), cut-out at 40 psi (2.8 bar).
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).



<b>FLOW</b>	3 GPM (11.4 LPM)
<b>FITTING</b>	Connections for 1/2" to 5/8" (13mm to 16mm) ID hose
<b>SIZE</b>	7-1/2" long x 6-1/2" wide x 8-1/2" high (19.1cm x 16.5cm x 21.6cm)
<b>WEIGHT</b>	11lb (5kg)

MODEL	DESCRIPTION
36950-2000	12V DC, fuse 8 amp, high pressure version
36950-2010	24V DC, fuse 4 amp, high pressure version
36950-2200	12V DC, fuse 8 amp, low pressure version. Not available in the USA.
36950-2210	24V DC, fuse 4 amp, low pressure version. Not available in the USA.
43990-0061	Service Kit

For service and spare parts listing, see page 235.



# 05 Water Pressure Systems

ACCESSORIES & ACCUMULATOR TANKS



## 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).



<b>FITTING</b>	Connections for 1/2" (13mm) ID hose, 5/8" (15mm) Hep <sub>2</sub> 0 and Acorn fittings, 5/8" (15mm) John Guest speedfit and Whale system 15 fittings, and 1/2" (13mm) BSP female threaded fittings.
<b>SIZE</b>	4" wide x 9" high x 5-1/2" deep (10cm x 23cm x 14cm)
<b>WEIGHT</b>	1.1lb (0.5kg)

MODEL	DESCRIPTION
59000-1000	Aqua Filta™. Not available in the USA.
59000-0000	Replacement Filter Cartridge. Not available in the USA.

## Water System Pumpgard™ Strainer



Inlet strainer protects all electric diaphragm pumps.

- Prevents unnecessary pump breakdowns caused by particles in the water.
- Transparent housing allows instant inspection.
- Quick, in-place cleaning of the 40# mesh stainless steel screen.

<b>FITTING</b>	Choose connections for 3/8", 1/2", 3/4" (10mm, 13mm, 19mm) ID hose or 1/2" (13mm) - 14 pipe
<b>SIZE</b>	4-3/4" long x 2-3/4" wide x 2-1/2" high (12cm x 7cm x 6cm)

MODEL	DESCRIPTION
46400-0000	3/4" (19mm) hose barb inlet, 3/4" (19mm) hose barb outlet
46400-0002	1/2" (13mm) hose barb inlet, 1/2" (13mm) hose barb outlet
46400-0003	3/8" (10mm) hose barb inlet, 3/8" (10mm) hose barb outlet
46400-0004	1/2" (13mm) QEST port male inlet, 1/2" (13mm) QEST port male outlet
46400-0010	90° strainer, 3/4" (19mm) hose barb inlet, quad port male outlet
46400-0012	90° strainer, 1/2" (13mm) hose barb inlet, quad port male outlet
46400-0014	90° strainer, 1/2" (13mm) quad port female inlet, quad port male outlet
46400-0030	In-line strainer, 1/2" (13mm) QEST port male inlet, quad port male outlet
46400-0375	3/8" (10mm) NPT female port inlet, 3/8" (10mm) NPT female port outlet
46400-0701	Large in-line strainer (6 GPM/23 LPM), quad port female inlet, quad port female outlet
46400-0711	Large 90° strainer (6 GPM/23 LPM), quad port female inlet, quad port male outlet
46400-0712	Large 90° strainer (6 GPM/23 LPM), 1/2" (13mm) hose barb inlet, quad port male outlet
46400-9000	90° strainer, quad port female inlet, quad port male outlet
46400-9500	90° strainer, quad port female inlet, quad port male outlet
18753-0040	Replacement 40# Mesh Filter

## Water Pressure Regulators

Water Pressure Regulators protect your boat's water system from damaging pressures of unregulated city water hook-ups. Available in two models – permanently installed flush mount or in-line. Both feature brass GHT fittings for potable garden hose connection.

- Limits inlet water pressure to 45 psi (3.1 bar).
- Maintains regulated pressure at various flow rates.
- Compact in-line model only 3" (77mm) long.
- Flush model has unique swivel elbow output.
- Manufactured of food-grade materials.
- Meets all applicable codes and approvals.
- Removable strainer on 44412 models protects plumbing.



<b>FITTING</b>	Flush connections for 3/4" (19mm) GHT female inlet and 1/2" (13mm) - 14 male pipe outlet. In-line connections for 3/4" (19mm) GHT female inlet and 3/4" (19mm) GHT male outlet.
<b>SIZE</b>	Flush: 4-3/8" wide x 4-3/8" high x 3-1/2" deep (11.1cm x 11.1cm x 8.8cm) In-Line: 3" long x 1-1/2" diameter (7.7cm x 3.9cm)
<b>WEIGHT</b>	Flush: 0.41lb (0.2kg) In-Line: 0.2lb (0.1kg)

MODEL	DESCRIPTION
44411-0045	In-line, white, 3/4" (19mm) GHT male outlet, strainer not included
44411-1045	Flush, white, 90° 1/2" (13mm) - 14 male pipe outlet, strainer not included
44411-2045	Flush, chrome, 90° 1/2" (13mm) - 14 male pipe outlet, strainer not included
44412-1045	Flush, white, 1/2" (13mm) female quad port, strainer included
44412-2045	Flush, chrome, 1/2" (13mm) female quad port, strainer included

## Pressurized Accumulator Tanks

Improves all pressure controlled water systems. Our new compact 21oz (0.6L) Accumulator Tank fits into those tight areas and performs all of the same functions as our 1 Quart (1L) model, but in a smaller package.

- Smoother flow, quieter water systems.
- Internal rubber membrane eliminates maintenance and allows universal mounting.
- Better control of hot water temperatures.
- Simply fitted to new or existing systems.
- Longer pump life, lower battery drain.
- Snap-in port fittings.



<b>FITTING</b>	Connections for 1/2" (13mm) ID hose, optional ports available (see below)
<b>SIZE</b>	21oz (0.6L): 4-3/4" wide x 7" high x 4-3/8" deep (12cm x 18cm x 11cm) 1 Quart (1L): 4-3/4" wide x 13-1/4" high x 4-3/8" deep (12cm x 34cm x 11cm)
<b>WEIGHT</b>	21oz (0.6L): 1lb (0.45kg) 1 Quart (1L): 1.6lb (0.7kg)

MODEL	DESCRIPTION
30573-0003	Pressurized 21oz (0.6L) Accumulator Tank
30573-0000	Pressurized 1 Quart (1L) Accumulator Tank
30653-0000	Snap-In Port Fittings for 1/2" (13mm) ID hose
30649-0000	Snap-In Port Fittings for 1/2" (13mm) - 14 pipe
30649-1000	Snap-In Port Fittings for 1/2" (13mm) female threads

## Larger Pressurized Accumulator Tanks

Smooth flow from faucets and showers, reduce pump cycling, eliminate pulsations and water hammer.

- Can be mounted vertically or horizontally.
- Water is totally separated from air chamber by a rubber bladder.
- All models include mounting brackets 18810-0000 (US supply).
- 2 gallon tank NSF-61 listed.



<b>SHUT-OFF PRESSURE</b>	100 psi (6.9 bar) maximum working pressure, pre-pressurized to 20 psi (1.4 bar)
<b>FITTING</b>	Connection for 3/4" (19mm) NPT male thread
<b>SIZE</b>	18810-0000: 12.75" high x 8" diameter (32cm x 20cm) 23240-2000: 8.5" wide x 13" high x 8" deep (22cm x 33cm x 20cm)
<b>WEIGHT</b>	18810-0000: 5.5lb (2.5kg) 23240-2000: 8.25lb (3.75kg)

MODEL	DESCRIPTION
18810-0000	2 gallon (7.5L) tank
23240-2000	1.75 gallon (8L) tank