

# L1600, L2200, L4000

## HIGH CAPACITY BILGE PUMPS



When you're looking for a high performance, heavy duty bilge pump, take a good look first at the latest members of the SPX Johnson Pump line of high quality, DC bilge pumps. You won't have to look any further.

The L4000, L2200 and L1600 have been designed to exceed tough international, commercial standards. Fully submersible, they have pumping capacities of as much as 252 l/min for the L4000 and down to 100l/min for the L1600 and they are available in both 12V and 24V versions for a variety of bilge pumping hookups.

Wetted parts are made of high-impact, non-corrosive thermo-plastic; the shaft of stainless steel. Together with a liquid-cooled, 12-pole, double ball-bearing equipped motor, these features ensure safe operation and years of long service. The motor shaft is sealed off by a lip seal on the L1600. On the L4000 and L2200 there is a mechanical seal that eliminates shaft wear while providing service accessibility at the same time.

The impeller design has been carefully tested and optimized to provide reliable flow and maximum head of 5 meters.

Because the pumps snap into a universal mounting bracket/inlet screen, they can easily replace most similar bilge pumps.

The L4000, L2200 and L1600 pumps include a removable check valve.

### Features & Benefits

- 12V and 24V versions
- Removable check valve included
- Heavy duty, 12-pole double ball bearing motor
- Liquid cooled for extended motor life.
- Quality engineered mechanical/lip seal
- Automatic operation with optional float switch
- ISO 8849 Marine and CE standards
- Easily interchangeable with most similar bilge pumps
- Made in the USA

## Designed to Keep on Running

### Technical specifications and capacity data

	L1600	L2200	L4000
SHAFT	SS2343	SS2343	SS2343
WIRE SIZE	1.5 MM <sup>2</sup>	1.5 MM <sup>2</sup>	1.5 MM <sup>2</sup>
MAX DIA	108 MM	108 MM	121 MM
MAX HEIGHT	149 MM	177 MM	216 MM
WEIGHT	1.3 KG	2.7 KG	2.45 KG

ORDER NO.	PUMP MODEL	CAPACITY 1.0 M HEAD (13.6 V/27 V)	CAPACITY STRAIGHT (13.6 V/27 V)	AMPERAGE	FUSE SIZE	HOSE SIZE
32-1600-01	L1600 12 V	98L/MIN - 1550 GPH	100L/MIN - 1600 GPH	7 A	10 A	1. 1/8"
32-1600-02	L1600 24 V	98L/MIN - 1550 GPH	100L/MIN - 1600 GPH	3.5 A	6 A	1. 1/8"
32-2200-01	L2200 12 V	120L/MIN - 1900 GPH	130L/MIN - 2060 GPH	7.5 A	12 A	1. 1/8" OR 1. 1/4"
32-2200-02	L2200 24 V	120L/MIN - 1900 GPH	130L/MIN - 2060 GPH	4.5 A	6 A	1. 1/8" OR 1. 1/4"
32-4000-01	L4000 12 V	164 L/MIN - 2600 GPH	252 L/MIN - 4000 GPH	15 A	25 A	1. 1/2" AND 2"
32-4000-02	L4000 24 V	164 L/MIN - 2600 GPH	252 L/MIN - 4000 GPH	7.5 A	15 A	1. 1/2" AND 2"

### Accessories

#### Ultima Switch

With detector cells that are totally sealed, are never in contact with the water, will not corrode and are not affected by oil or foreign debris. No moving parts, totally sealed solid state electronics and field detectors, no mercury and no exposed sensors eliminate corrosion possibilities. ULTIMA switch is rated to handle pumps up to 20amps at 12 or 24 volts.



#### Bilge Alert

High water alarm featuring new digital technology using the patented Mirus field effect cell. Totally sealed fluid detector are never in contact with water, will not corrode and are not affected by oil or debris. Bilge Alert detects water and sends a signal (8 seconds delay) to the alarm and switch conveniently mounted on a panel. Three way rocker switch allows alarm to be tested, turned off and armed.



#### Control Panel

The Johnson Pump Panel, 12V or 24V, combined with the L2200 or the L1600 and either of the switches gives you an excellent installation for your boat.



#### Automatic Float Switch

The Automatic Float Switch protects electrically operated pumps and gives fully automatic operation.



# SPX

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