



**Models 11810-0121
11810-0241**

SELF-PRIMING PUMPS

FEATURES

- Pump Body:** Bronze Construction
Impeller: Jabsco Neoprene Compound
Shaft: Stainless Steel Shaft Protected by Stainless Steel Impeller Sleeve
Wearplate: Replaceable
Shaft Seal: Lip Type
Ports: Both 3/4" Garden Hose External Thread and 1/2" Internal Pipe Thread
Motor: 1/3 HP/1800 RPM, Continuous Duty
Weight: 22 lbs (10 kg) Approx.

VARIATIONS AVAILABLE

MODEL NO.	DESCRIPTION
11810-0121	12V DC
11810-0241	24V DC

Motor meets USCG Electrical Standards (Title 33, Chapter 1, Part 183; Subpart 1) for ignition protection on gasoline powered vessels.

APPLICATIONS

Ideal for Bilge Pumping, Bait Tank, Wash Downs, and General Marine Service.

OPERATING INSTRUCTIONS

- INSTALLATION** – Pump may be mounted in any position without loss of efficiency; however, it is suggested that the pump head be down if vertical mounting is desired. The rotation of the motor shaft determines the location of the pump's intake and discharge ports. Refer to the Dimensional Drawing.
- DRIVE** – Direct.
- SELF-PRIMING** – Pump will produce a suction lift approaching 10 feet when dry and a lift up to 22 feet when primed. BE SURE SUCTION LINES ARE AIR TIGHT or pump will not self-prime.
- RUNNING DRY** – Unit depends on liquid pumped for lubrication. DO NOT RUN DRY for more than 30 seconds. Lack of liquid will burn the impeller.
- NOTICE** – Do not pump solvents, thinners, highly concentrated or organic acids. Pump damage may



Models 11810-0121, 11810-0241

result. If corrosive fluids must be handled, pump life will be prolonged if pump is flushed with water after each use or after each work day.

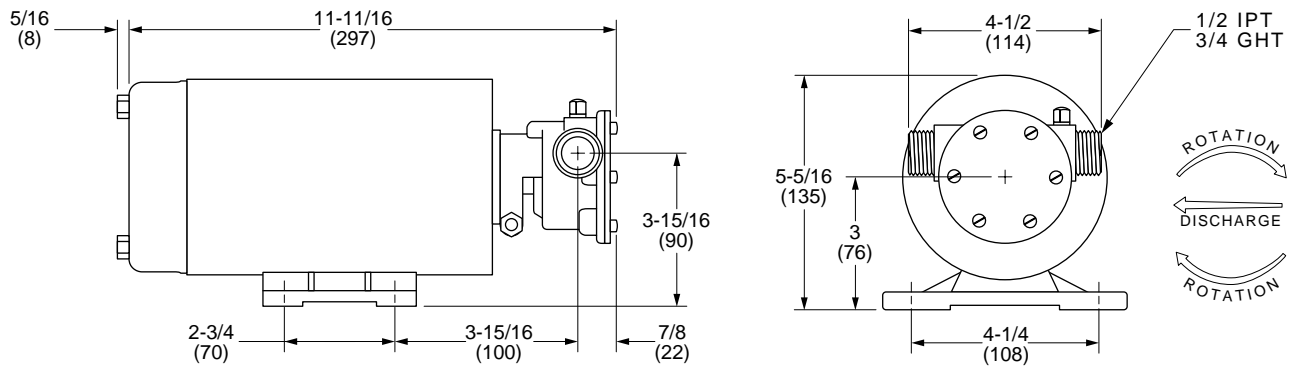
- PRESSURES** – For continuous operation, do not exceed 40 feet total developed head.
- TEMPERATURE** – Impeller supplied in pump is recommended for liquid temperatures of 45° - 180°F (7.2° - 82.2°C). Optional Nitrile Impeller 50° - 180°F (10° - 82.2°C).
- SPARE PARTS** – To avoid costly shut downs, keep a Jabsco Service Kit on hand.

HEAD CAPACITY TABLE

TOTAL HEAD				1800 RPM	
psi	kg per sq cm	ft of Water	Meters of Water	GPM	LPM
4.3	0.3	10	3	11.2	42.4
8.7	0.6	20	6.1	10.5	39.7
13.0	0.9	30	9.1	9.4	35.6
13.0	1.2	40	12.2	8.1	30.7

DIMENSIONAL DRAWING

Inches (Millimeters)



ELECTRICAL SPECIFICATIONS

Pump Models	Voltage	AMP Draw	Fuse Size	Total Wire Length* – feet (meters)		
				0-10 (0-3)	11-20 (3-6)	21-35 (6-11)
11810-0121	12V DC	28.0	30	#10 (6)	#8 (10)	#6 (16)
11810-0241	24V DC	14.0	15	#16 (1.5)	#14 (2.5)	#14 (2.5)

* Wire lengths are the sum of both positive and negative conductors.

WIRING

Ensure wiring is adequate size to avoid a potential voltage drop by using the wire size specified in the Electrical Specifications Chart.

It is recommended that a strain relief wire connector be installed in the rear end-bell protective cover to prevent electrical connections from being accidentally pulled loose. Remove the two cover retaining nuts and the protective cover. Select the type of strain relief wire connector to be used and remove the appropriate knock-out. Install the strain relief wire connector in the end-bell cover. Feed the power leads through the wire connector and secure them in place leaving adequate length on the motor side of the cover to attach the leads to the motor terminals.

For proper clock-wise motor rotation, attach the positive lead to the motor terminal marked A1 and the negative lead to the terminal marked A2. Reposition the protective cover on the two mounting studs and against the motor end-bell. Secure the cover in place with the two retaining nuts.

If a switch is installed in the positive power lead to control the operation of the pump, it is essential that it has an amperage rating equal to or greater than the recommended fuse size.

For technical advice or service please take your pump into your local pump service center.
To order pump or parts or for pricing please go to the following links :

[Jabsco Pumps Home >>](#)

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