

APPLICATION INFORMATION

The model 14960 is designed for automatic operation of up to 3 fixtures. For best operation an accumulator tank of about one quart capacity (Jabsco Part #12573) is suggested as pictured. If an instantaneous type water heater is used an accumulator tank must be installed or the warranty is void.

INSTALLATION AND OPERATING INSTRUCTIONS

1. Locating Pump

The model 14960 JABSCO water pressure system is self priming, may be installed at any point between tank and faucet. Will not lose its prime or air lock. Mounting grommets and screws have been included for your convenience. Do not overtighten mounting screws.

2. Plumbing Connections

Use only plastic internal port fittings or standard garden hose connections. Minimum %" tube size for inlet and outlet. Be sure all connections are airtight and your tank is vented. If copper tubing is used a short section of reinforced rubber hose on inlet and outlet is recommended to reduce noise and vibration transmitted through the plumbing system.

3. Wiring Hookup

Use stranded wire. Do not use lamp cord or other substitutes. See wiring diagram at right for proper wiring connections. Locate the switch panel in a convenient readily visible location, the counter top or wall panel near the main outlet is preferable. Be sure main switch is in off position when making connections.

DESIGN FEATURES

Pump: Phenolic Plastic with

Stainless Steel Wear Plates

Impeller: JABSCO Nitrile Compound

Seal: Lip Type

Ports: 3/8" Pipe Thread Internal

Motor: Enclosed 1/15 H.P. with

Stainless Steel Shaft

Check Valve: Positive Action, "O" Ring Seal

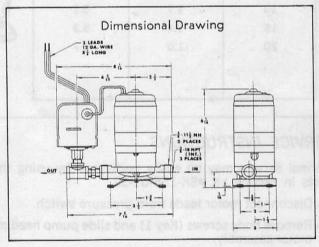
Control: Top Quality Diaphragm Type

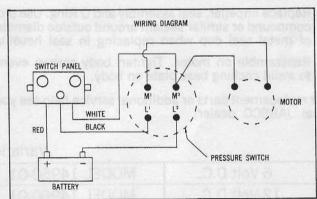
Pressure Switch

Weight: 7 pounds (Approx.)

Switch Panel: Includes ON-OFF Switch,

Indicator Light and Fuse





Wire Length	10 Ft.	20 Ft.	30 Ft.	40 Ft.
Wire Size	#14	#12	#10	#8

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To operate your JABSCO automatic water pressure system, be sure the water tank is full, properly vented, all plumbing connections are air tight and correct wiring connections have been made.

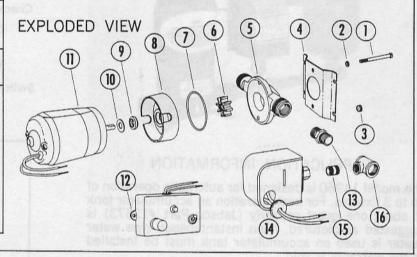
- Open the faucet farthest from the tank and let water run for a few seconds. The indicator light should be on when the pump is running. Close the faucet. The pump should shut off almost immediately, the indicator light should go out and both should remain off until a faucet is opened.
- 2. If indicator light shows the pump is running with all faucets closed turn switch off immediately and check the following:
 - 1. Water tank may be empty. Fill the tank.
 - Battery may be low or discharged. Recharge battery.
 - 3. Impeller may be fatigued. Replace the impeller.

- 3. If the pump cycles on and off with all faucets closed, check the following:
 - Leaking faucet or plumbing system. Correct the leak.
 - 2. Leak back thru the check valve. Clean the check valve seat.

The pressure switch control is preset and tested at the factory. Operating pressures are 8 PSI on 20 PSI off. Do not tamper with switch adjustment, this will void the warranty.

The JABSCO pump switch panel has been developed to provide added operating convenience and built-in overload fuse protection. Use only the correct fuse size marked on the panel to protect the pump from overload. It is suggested that the switch be turned to off when the water system is not used for extended periods or over night.

Lbs. Per Sq. In.	GPM	Ampere Draw
Free Flow	2.1	4.8
5	2.0	4.9
10	1.7	5.1
15	1.4	5.3
20	1.0	5.7



SERVICE INSTRUCTIONS

Normal service may be easily performed by using the parts in service kit #SK-158-01-37.

- Disconnect motor leads from pressure switch.
- Remove body screws (Key 1) and slide pump head off motor assembly.
- Replace impeller, seal assembly and O Ring. Use pipe compound or similar sealant around outside diameter of metal seal cup when replacing in seal housing.
- Reassemble on motor. Tighten body screws evenly to avoid cocking base plate on body.

For replacement parts or additional service help see your local JABSCO dealer.

PARTS LIST

Key	Description	Description Part No.	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 —————————————————————————————————	Screw Lock Washer Grommet Base Body Impeller "O" Ring Seal Housing Seal Housing Seal Assembly Slinger Motor Switch Panel Check Valve Pressure Switch Nipple Tee Service Kit (Not Shown)	SP1003-20 SP1602-02 SP2900-12 14945 12375 14750-37 SP2000-75 12314 SP2700-91 6342 SP8012-02 14963 SP8024-01 SP6070-12 SP2800-06 SP2800-06 SP8023-06 SK158-01-37	2 4 1 1 1 1 1 1 1 1 1 1 1 1

Variations Available

6 Volt D.C.	MODEL 14950-01, less switch panel	Motor SP-8012-01
12 Volt D.C.	MODEL 14960-01, less switch panel	Motor SP-8012-02
24 Volt D.C.	MODEL 14970-01, less switch panel	Motor SP-8012-03
32 Volt D.C.	MODEL 14980-01, less switch panel	Motor SP-8012-04

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