



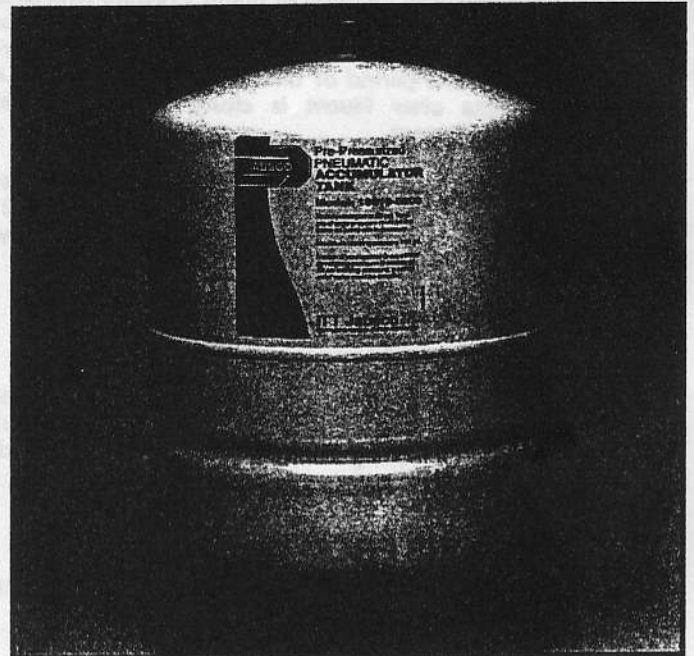
Model 18810-0000

PRESSURE ACCUMULATOR TANK FEATURES

- Smooth flow from faucets
- Reduces pump cycling
- Precharged air cushion
- Eliminates pulsations and water hammer
- Diaphragm between water and air
- Polypropylene water reservoir
- Includes mounting brackets with mounting assembly
- IAPMO listed

SPECIFICATIONS

Port:	3/4" NPT
Dimensions:	8"x12-3/4"
Air Valve:	Standard Tire Valve
Precharge Pressure:	20 psi (1.4 bar)
Maximum Working Pressure:	75 psi (5.2 bar)
Volume:	2.0 Gallons (7-1/2 L)
Working Water Volume:	0.9 Gallon (3-1/2 L)
Shipping Weight:	5.5 lb (2,5 kg)



Model 18810-0000

INSTALLATION

Mount pressure accumulator on bulkhead near water pressure system pump. Tank may be mounted vertically or horizontally, whichever is most convenient. Plumb to 3/4" NPT port with minimum 1/2" pressure line. (If tank is very close to pump, 3/8" plumbing may be used.)

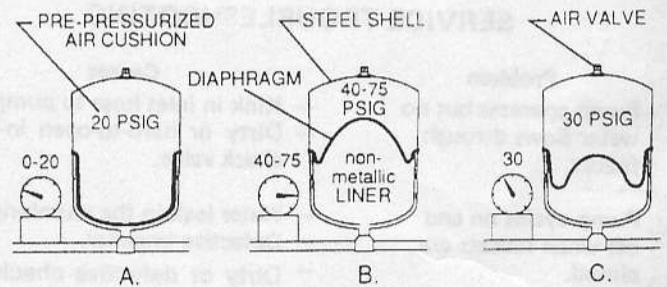
PRECHARGE PRESSURE

Precharge pressure must match pump cut-in pressure, the pressure at which the pump restarts. The tank is precharged from the factory at 20 psi (1.4 bar) which is the most common cut-in pressure. If your pump specification states cut-in pressure between 17 and 20 psi (1.2 and 1.4 bar), no adjustment is necessary. If your pump cut-in pressure is above or below this range, shut pump off, open a faucet to relieve system pressure and adjust precharge pressure using ordinary tire gauge and tire pump at valve in top of tank. Pressure should be checked from time to time and adjusted if necessary. **DO NOT PRESSURIZE TANK ABOVE 75 PSI.**

RELIEF VALVE RECOMMENDED

When used in a system with a pump that can pump in excess of 100 psi, it is recommended that a relief valve with a setting of 75 psi be installed. Often a relief valve is already installed at the water heater. Check its setting.

HOW THE PRESSURE ACCUMULATOR WORKS



- A. Factory installed precharged air cushion.
- B. When pump starts, water enters the reservoir. At maximum pressure, system is filled. Pump shuts off.
- C. When water is demanded, pressure in the air chamber forces water into the system. Pump stays off until minimum pressure is reached. Then pump turns on.

MAINTENANCE

SERVICE INSTRUCTIONS

It is recommended, as with other major systems aboard, that a periodic inspection is made of the Jabsco Water Pressure System. The following check list may be helpful:

- Inspect sea water strainer for debris which could restrict suction flow.
- Observe mechanical function of pump. Pressure tank should deliver water for a short period of time prior to pump starting. Once faucet is closed pump should run for approximately the same period of time before shutting off. Long running time after faucet is closed indicates impeller requires replacement.
- With power to pump off and a faucet open, check pressure charge in pressure tank. Correct pressure range is 18 to 22 psi or cut-in pressure of pump. A tire gauge and bicycle pump can be used to fine-tune the pressure tank.

WINTER STORAGE

To prevent accidental damage, the entire water system should be protected from freezing during winter storage. This requires complete draining, using the following directions and/or vessel manufacturer's instructions:

1. Close seacock, remove and drain hose.
2. Disconnect discharge and intake lines from pump. Allow pump and lines to drain.

Reconnect the lines, close the drains but leave faucets open. The water distribution system is now dry and ready for winter storage.

SERVICE TROUBLESHOOTING

Problem	Causes
Pump operates but no water flows through faucet.	<ul style="list-style-type: none">- Kink in inlet hose to pump.- Dirty or hard-to-open in-line check valve.
Pump cycles on and off when faucets are closed.	<ul style="list-style-type: none">- Water leak in the plumbing.- Defective impeller.- Dirty or defective check valve.
Pump operates roughly and has excessive noise.	<ul style="list-style-type: none">- Intake line is restricted, kink in suction hose or fittings too small. Restricted or dirty strainer.- Pump mount not solid.- Rigid plumbing transmitting pump vibration.- Pressure tank needs recharging.
Pump fails to start when faucet is opened	<ul style="list-style-type: none">- Blown fuse.- No voltage to pump.- Defective pressure switch.
Pump fails to stop when faucets are closed.	<ul style="list-style-type: none">- Defective impeller.- Insufficient voltage to pump motor.- Defective pressure switch.

CAUTION: Before servicing pump, turn off power and open faucet to relieve pressure in the system.

Impeller Service Kit Installation.

If only impeller (Key 4) is to be replaced, follow steps 1, 2, 14, 15, and 16.

DISASSEMBLY

1. Remove end cover screws, gasket and end cover.
2. Grasp impeller hub firmly with water pump pliers and withdraw from body.
3. Loosen cam screw and remove cam. Clean off permatex. Remove wearplate with screwdriver or hooked wire.
4. Remove pressure tank by removing band clamp and unscrewing the tank from tee.
5. Remove hook-up box cover and disconnect leads coming from pressure switch; Red at center (+) terminal; and the other wire at relay.
6. Loosen nut at body clamp. Remove pump from motor shaft.
7. Press out seal from motor mounting end of body toward impeller bore.
8. Remove slinger from shaft.

ASSEMBLY

9. Install slinger and position 1/4" from motor boss.
10. Press seal into seal bore with lip facing toward the impeller bore. Apply grease to back of seal lip.
11. Install wearplate, aligning slot with dowel pin.
12. Permatex top of cam and cam screw threads. Install cam with cam screw.
13. Install body on motor. Tighten nut at clamp. Do not overtighten or binding of shaft will result. Reconnect wires.
14. Lubricate impeller bore with grease.
15. Lubricate shaft O.D. with grease, align drive ding in extended impeller insert with flat on shaft and install impeller.
16. Install gasket, end cover and end cover screws.
17. Install pressure tank and hold down strap.

Insist on genuine Jabsco parts - made only by ITT Jabsco Products - the original and world's leading manufacturer of self-priming flexible impeller pumps.