



P.O. Box 342, Delavan, WI 53115

OWNERS MANUAL

STAINLESS STEEL PRE-CHARGED PRESSURE TANK

Installation • Operation

For further operating, installation, or maintenance assistance:

Call 1-800-365-6832

English – Pages 2-3

MANUEL D'UTILISATION

RÉSERVOIR SOUS PRESSION PRÉCHARGÉ EN ACIER INOXYDABLE

Installation • Fonctionnement

*Pour plus de renseignements concernant l'utilisation, l'installation ou l'entretien,
téléphonez au 1-800-365-6832*

Français – Pages 4-5

MANUAL DEL USUARIO

DEPÓSITO BAJO PRESIÓN PRECARGADO DE ACERO INOXIDABLE

Instalación • Operación

Para mayor información sobre el funcionamiento, instalación o mantenimiento del equipo:

Llame al 1-800-365-6832

Español – Pages 6-7

INSTALLATION

Connect system pipe to port on tank cover flange. Use plastic or steel pipe as required. To prevent leaks, use Teflon tape or Plasto-Joint St k' on male threads of all threaded connections to tank.

Flush all air out of piping system and water reservoir portion of pre-charged tank. Required on: new installations, pumps requiring repriming and pumps disassembled for service. Do as follows:

1. Open faucets furthest from tank and run pump.
2. Allow pump to run until sputtering stops and steady stream of water runs.
3. Open and close faucets repeatedly until sure all air has been removed.
4. If stream does not become steady, air may be leaking into system; check for leaks in piping on suction side of pump.

NOTICE: To prevent waterlogging, check tank air charge annually.

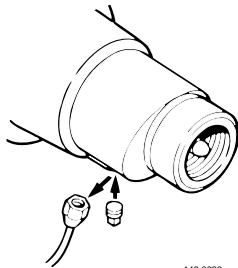
STANDARD TANK REPLACEMENT

When replacing standard tank in water system with pre-charged tank, no bleeder orifices or Air Volume Control (AVC) are required.

WARNING Hazardous voltage and hazardous pressure. Disconnect all power to pump and bleed all pressure from system before working on pump, tank, or piping.

For jet pump installation, remove AVC tube from port in pump body or jet body and plug port (see Fig. 3).

Figure 3 – Plug AVC Port when installing pre-charged tank.



MAINTENANCE

In areas where temperature is high for long periods of time, tank pre-charge pressure may increase. This may reduce tank drawdown (amount of water available per cycle). If this occurs, reduce pre-charge pressure to 2 PSI (14kPa) below pump ON pressure setting.

TO CHECK TANK AIR CHARGE

If drawdown decreases significantly, check as follows:

1. To check air charge in tank, shut off electric power to pump, open faucet near tank, and drain completely.
2. At air valve, check air pressure with tire gauge. Pressure should be 2 PSI (14kPa) below pump ON pressure setting.
3. If air pressure is more than 2 PSI (14kPa) below the ON setting, add air to tank. Use air compressor or portable air storage tank.
4. Use soap or liquid detergent to check for air leaks around air valve. Continuous bubbling indicates leak. If necessary, install new core in air valve, (same as used for automobile tubeless tires.)

TESTING FOR BLADDER LEAKAGE

1. Disconnect power to pump.

2. Drain water from tank bladder by opening faucet closest to tank.
3. Remove valve cap and release all pressure by depressing valve core. When air stops coming from valve, remove valve core to release remaining pressure.
4. Disconnect piping from elbow on tank cover flange.
5. Carefully turn tank upside down or lay on its side.

WARNING Retained water in tank may cause sudden weight shift when lowering. Support tank so it cannot fall when being lowered or inverted.

6. If bladder leaks, water will run out of valve. If so, replace bladder.
7. If replacing bladder, be sure air and water pressures are relieved before removing cover flange. When reassembling cover flange, do not tighten nuts or mounting studs more than 85 in- bs. (9.6 Nm).

¹Lake Chemical Co., Chicago, IL

