Model XT LEAD-FREE*

WILKINS

Water Thermal Expansion Tanks

*This product contains a weighted average lead content less than 0.25% for wetted surfaces.

❑ Installation ❑ Maintenance Instructions

SPECIFICATION

Fill pressure (and air charge pressure)..... 40 PSI
Max. Supply Pressure..... 80 PSI

For potable water applications

To obtain maximum effectiveness and to prolong XT series tank life, ADJUST TANK PRE-CHARGE TO EQUAL LINE PRESSURE, NOT TO EXCEED 80 PSI.

Example:
If normal city water pressure at tank location is 55 psig, increase air pre-charge in XT tank to 55 psig. This can be done with a bicycle pump or air compressor. Pressure can be checked with a standard tire gauge.

INSTALLATION

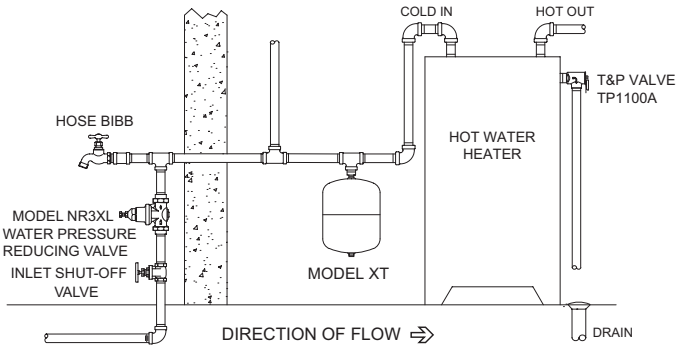
1. Shut off power or gas to water heater.
2. Shut off cold water supply to water heater.
3. Drain water from heater (MAKE SURE THAT A FAUCET OR OTHER FIXTURE IS OPEN TO PREVENT VACUUM BUILD-UP
4. With water completely drained from water heater, install XT Series Thermal Expansion Tank by teeing into a cold water supply as shown. XT tank must be installed on the cold water supply and between water heater and check valve, backflow preventer, etc.
5. Strapping or bracing must be used when tank is installed in the horizontal position. This will allow support of the tank when filled with water.
6. Check tank pressure with a tire gauge and adjust pre-charge as needed to match line water pressure.
7. Turn water supply back on.
8. A properly sized pressure relief valve set at a maximum of 150 PSI must be installed in the system
9. If the supply pressure exceeds 80 PSI a properly sized pressure reducing valve must be installed on the system.

Warning: Failure to follow these instructions is UNSAFE and may result in serious injury or death and/or property damage.

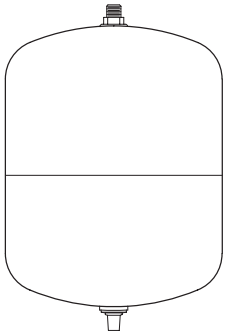
MAINTENANCE

1. The tank pre-charge should be checked annually. The water pressure must be removed from the tank to prevent a false reading. Shutoff water supply.
2. Open a faucet to remove pressure from the system
3. Check tank pressure with a tire gauge. Add air to tank if it doesn't match the incoming water pressure. If the tank pressure is zero or if water discharges from the air valve, then it should be replaced.
4. Turn water supply back on.

NOTE: This tank is not suitable for use on fire sprinkler systems as required by NFPA 13 or 13D.



MODEL XT INSTALLATION



NOTE: Model XT tanks are certified to NSF/ANSI 61 domestic hot, but are suitable for temperatures up to 200° F.

TANK DIMENSIONS AND CAPACITIES

MODEL NUMBER	MAXIMUM SUPPLY PRESSURE psi	TANK VOLUME (gallons)	MAXIMUM ACCEPTANCE VOLUME (gallons)	FACTORY PRE-CHARGE psi	DIMENSIONS					WEIGHT	
					DIAMETER		HEIGHT		SYSTEM CONNECTION		
					in.	mm	in.	mm		lbs.	Kg
XT-8	80	2.1	1.0	40	8	203	10 1/2	267	3/4 NPT	5.5	2.5
XT-18	80	4.8	2.4	40	11	280	13 1/2	343	3/4 NPT	10	4.5
XT-35	80	9.0	4.25	40	12 1/2	318	17 1/4	438	3/4 NPT	15.5	7.0

WARRANTY: WILKINS Valves are guaranteed against defects of material or workmanship when used for the services recommended. If in any recommended service, a defect develops due to material or workmanship, and the device is returned, freight prepaid, to WILKINS within 1 year from date of purchase, it will be repaired or replaced free of charge. WILKINS' liability shall be limited to our agreement to repair or replace the valve only.

⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov
⚠ **ADVERTENCIA:** Cáncer y daño reproductivo - www.P65Warnings.ca.gov
⚠ **AVERTISSEMENT:** Cancer et néfastes sur la reproduction - www.P65Warnings.ca.gov

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