

Model HXT

Hydronic Expansion Tanks



Installation Maintenance Instructions

SPECIFICATION

Fill pressure (and air charge pressure).....12 PSI

Max. Temperature.....210° F

TROUBLESHOOTING

IF THE RELIEF VALVE CONTINUES TO RELIEVE:

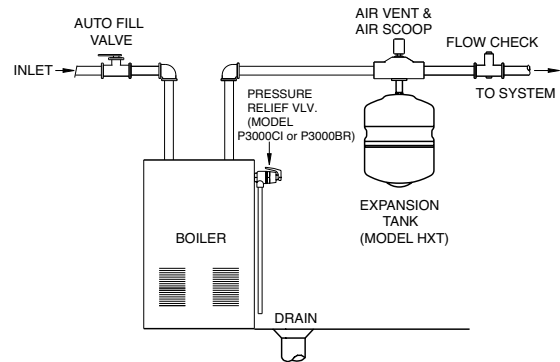
1. Check pressure reducing valve or boiler feed valve for dirt on seat.
2. Check tank air pressure. (System must be depressurized before air pressure can be accurately measured.)
3. Check sizing of tank by calculating correct system capacity and amount of expansion volume required.
4. If more expansion (acceptance) volume is required, either change the tank or add multiples to achieve required expansion (acceptance) volume.

MAINTENANCE

The tank pre-charge should be checked annually. The water pressure must be removed from the tank to prevent a false reading.

1. 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.

TYPICAL INSTALLATION



INSTALLATION

1. It is recommended the Model HXT be installed in the vertical position.
2. All sizes supplied with 1/2" male NPT connection for use with an Air Scoop.
3. After system is filled and air is vented, fire the burner to high limit shut-off.
4. Additional air will vent thru automatic air vents as water is heated.
5. Check the system pressure after water is heated. If pressure is too high, reduce it by drawing water out of system and by lowering the pressure reducing valve setting to 12 PSI

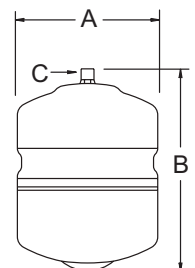
CAPACITIES

Sizes are based on average systems operating with a reducing valve set at 12 PSI, a relief valve set at 30 PSI and system fill temperature of 40° F.

| SYSTEM CONTENT (gallons) | AVERAGE SYSTEM TEMPERATURE, (F°) | | | | | | | | | | | | | | | |
|--------------------------|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 | 240 | |
| 25 | 15 | 15 | 15 | 15 | 15 | 15 | 30 | 30 | 30 | 30 | 30 | 30 | 60 | 60 | 90 | |
| 50 | 15 | 15 | 15 | 30 | 30 | 30 | 30 | 30 | 60 | 90 | 90 | 90 | 90 | 90 | 90 | |
| 75 | 15 | 30 | 30 | 30 | 30 | 60 | 60 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | X | |
| 100 | 15 | 30 | 30 | 30 | 60 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | X | X | X | |
| 200 | 30 | 60 | 90 | 90 | 90 | 90 | 90 | X | X | X | X | X | X | X | X | |
| 300 | 60 | 90 | 90 | 90 | X | X | X | X | X | X | X | X | X | X | X | |
| 400 | 90 | 90 | 90 | X | X | X | X | X | X | X | X | X | X | X | X | |
| 500 | 90 | 90 | X | X | X | X | X | X | X | X | X | X | X | X | X | |

DIMENSIONS & WEIGHTS (do not include pkg.)

| TANK DIMENSIONS AND CAPACITIES | | | | | | | | | | | |
|--------------------------------|------------------------------|-----------------------|-------------------------------------|------------------------|--------------|-----|------------|-----|----------------|--------|------|
| MODEL NUMBER | MAXIMUM WORKING PRESSURE psi | TANK VOLUME (gallons) | MAXIMUM ACCEPTANCE VOLUME (gallons) | FACTORY PRE-CHARGE psi | DIMENSIONS | | | | | WEIGHT | |
| | | | | | "A" DIAMETER | | "B" HEIGHT | | "C" CONNECTION | lbs. | kg |
| | | | | | in. | mm | in. | mm | | | |
| HXT-15 | 150 | 2.1 | 1.2 | 12 | 8 | 203 | 12 1/2 | 318 | 1/2 NPT | 4.5 | 2.04 |
| HXT-30 | 150 | 4.8 | 3.5 | 12 | 11 | 280 | 15 | 381 | 1/2 NPT | 8 | 3.63 |
| HXT-60 | 150 | 6.0 | 4.2 | 12 | 11 | 280 | 16 5/8 | 423 | 1/2 NPT | 9.5 | 4.31 |
| HXT-90 | 150 | 14 | 5.6 | 12 | 15 1/2 | 394 | 19 7/8 | 505 | 1/2 NPT | 19 | 8.62 |



WARRANTY: ZURN 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 ZURN WILKINS within 12 months from date of purchase, it will be repaired or replaced free of charge. ZURN WILKINS' liability shall be limited to our agreement to repair or replace the valve only.

WARNING: This product is NOT Lead Free in accordance with U.S. Federal Law and is illegal in the U.S. for use in potable services or to install in water systems anticipated for human consumption.

⚠ **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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