



# EXTROL®

Hydronic Expansion Tanks: Vertical AX Series ASME

## 300 PSIG Working Pressure

### Construction

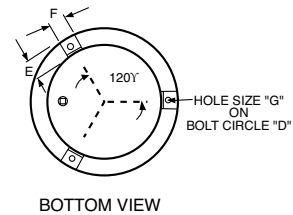
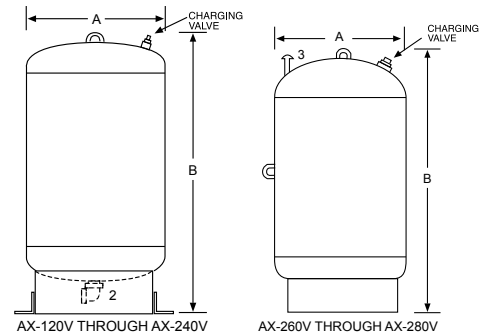
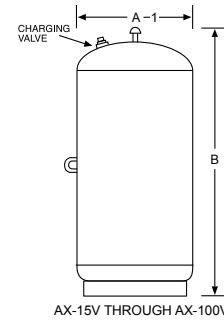
|                   |  |
|-------------------|--|
| Shell             | ASME Approved Steel  |
| Diaphragm         | Heavy Duty Butyl/EPDM  |
| System Connection | NPTF <sup>1</sup> Malleable Iron Center<br>NPTF <sup>2</sup> Malleable Iron Bottom<br>NPTM <sup>3</sup> Steel Pipe, Top Offset |
| Finish            | Red Oxide Primer   |
| Air Valve         | Schrader Valve w/EPDM Seats  |
| Factory Precharge | 12 PSIG (.8 bar)   |

### Performance

|                               |                     |
|-------------------------------|---------------------|
| Maximum Operating Temperature | 240°F (115°C)       |
| Maximum Working Pressure      | 300 PSIG (20.7 bar) |
| Warranty                      | 1-Year              |

### Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Designed to meet all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.



### Vertical ASME Models

| Model Number | Tank Volume |       | Max. Accept. Volume |       | A Tank Diameter |     | B Tank Height |      | Sys. Conn       | Shipping Weight |     |
|--------------|-------------|-------|---------------------|-------|-----------------|-----|---------------|------|-----------------|-----------------|-----|
|              | Gal         | Lit   | Gal                 | Lit   | In              | mm  | In            | mm   |                 | Lbs             | Kg  |
| AX-15V       | 8.0         | 30.3  | 2.4                 | 9.1   | 12              | 305 | 20            | 508  | ½ <sup>1</sup>  | 62              | 28  |
| AX-20V       | 10.9        | 41.3  | 2.4                 | 9.1   | 12              | 305 | 27            | 686  | ½ <sup>1</sup>  | 75              | 34  |
| AX-40V       | 21.7        | 82.2  | 11.3                | 42.8  | 16              | 356 | 30            | 762  | ½ <sup>1</sup>  | 122             | 55  |
| AX-60V       | 33.6        | 127.2 | 11.3                | 42.8  | 16              | 356 | 45            | 1143 | ½ <sup>1</sup>  | 157             | 71  |
| AX-80V       | 44.4        | 168.1 | 22.6                | 85.5  | 24              | 610 | 29            | 737  | 1 <sup>1</sup>  | 248             | 112 |
| AX-100V      | 55.7        | 211.8 | 22.6                | 85.5  | 24              | 610 | 34            | 864  | 1 <sup>1</sup>  | 282             | 128 |
| AX-120V      | 68.0        | 257.4 | 34.0                | 128.7 | 24              | 610 | 47            | 1194 | 1 <sup>2</sup>  | 342             | 155 |
| AX-144V      | 77.0        | 291.5 | 34.0                | 128.7 | 24              | 610 | 52            | 1321 | 1 <sup>2</sup>  | 368             | 167 |
| AX-180V      | 90.0        | 340.7 | 34.0                | 128.7 | 24              | 610 | 60            | 1524 | 1 <sup>2</sup>  | 434             | 197 |
| AX-200V      | 110.0       | 416.4 | 34.0                | 128.7 | 24              | 610 | 66            | 1676 | 1 <sup>2</sup>  | 464             | 210 |
| AX-240V      | 132.0       | 500.0 | 46.0                | 174.0 | 30              | 762 | 58            | 1473 | 1 <sup>2</sup>  | 642             | 291 |
| AX-260V      | 159.0       | 600.0 | 56.0                | 212.0 | 30              | 762 | 65            | 1651 | 1¼ <sup>3</sup> | 736             | 334 |
| AX-280V      | 211.0       | 800.0 | 84.0                | 318.0 | 30              | 762 | 82            | 2083 | 1¼ <sup>3</sup> | 945             | 429 |

All dimensions and weights are approximate.

### Optional Seismic Restraints

| Tank Diameter | Bolt Circle | Dim. E | Dim. F | Hole Size |
|---------------|-------------|--------|--------|-----------|
| B             | D           | E      | F      | G         |
| 12            | 12¾         | 2      | 2      | 9/16      |
| 16¼           | 14¾         | 2      | 2      | 9/16      |
| 24            | 18          | 2      | 2      | 9/16      |
| 30            | 27          | 3      | 3      | ¾         |

|                  |             |
|------------------|-------------|
| Job Name _____   | Notes _____ |
| Engineer _____   | _____       |
| Contractor _____ | _____       |
| P.O. No. _____   | _____       |
| Sales Rep. _____ | _____       |
| Model No. _____  | _____       |

