



EXTROL®

Hydronic Expansion Tanks: Vertical AX Series ASME

300 PSIG Working Pressure

Construction

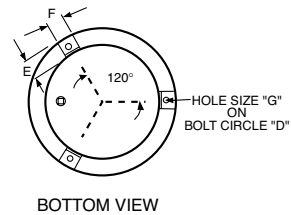
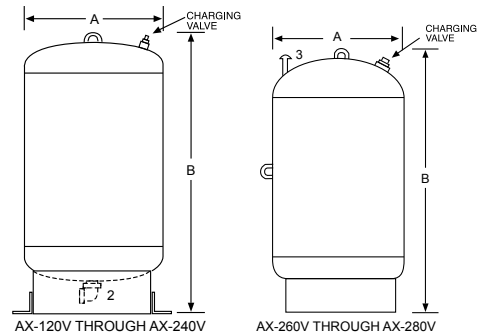
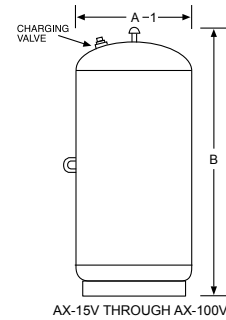
| | |
|-------------------|---|
| Shell | ASME Approved Steel |
| Diaphragm | Heavy Duty Butyl/EPDM |
| System Connection | NPTF ¹ Malleable Iron Center NPTF ² Malleable Iron Bottom NPTM ³ Malleable Iron Top Offset |
| Finish | Red Oxide Primer |
| Air Valve | Schrader Valve w/EPDM Seats |
| Factory 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 ¹ | 62 | 28 |
| AX-20V | 10.9 | 41.3 | 2.4 | 9.1 | 12 | 305 | 27 | 686 | ½ ¹ | 75 | 34 |
| AX-40V | 21.7 | 82.2 | 11.3 | 42.8 | 16 | 356 | 30 | 762 | ½ ¹ | 122 | 55 |
| AX-60V | 33.6 | 127.2 | 11.3 | 42.8 | 16 | 356 | 45 | 1143 | ½ ¹ | 157 | 71 |
| AX-80V | 44.4 | 168.1 | 22.6 | 85.5 | 24 | 610 | 29 | 737 | 1 ¹ | 248 | 112 |
| AX-100V | 55.7 | 211.8 | 22.6 | 85.5 | 24 | 610 | 34 | 864 | 1 ¹ | 282 | 128 |
| AX-120V | 68.0 | 257.4 | 34.0 | 128.7 | 24 | 610 | 47 | 1194 | 1 ² | 342 | 155 |
| AX-144V | 77.0 | 291.5 | 34.0 | 128.7 | 24 | 610 | 52 | 1321 | 1 ² | 368 | 167 |
| AX-180V | 90.0 | 340.7 | 34.0 | 128.7 | 24 | 610 | 60 | 1524 | 1 ² | 434 | 197 |
| AX-200V | 110.0 | 416.4 | 34.0 | 128.7 | 24 | 610 | 66 | 1676 | 1 ² | 464 | 210 |
| AX-240V | 132.0 | 500.0 | 46.0 | 174.0 | 30 | 762 | 58 | 1473 | 1 ² | 642 | 291 |
| AX-260V | 159.0 | 600.0 | 56.0 | 212.0 | 30 | 762 | 65 | 1651 | 1¼ ³ | 736 | 334 |
| AX-280V | 211.0 | 800.0 | 84.0 | 318.0 | 30 | 762 | 82 | 2083 | 1¼ ³ | 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. _____ | _____ |

