



THERM-X-TROL®

Thermal Expansion: Full Acceptance Bladder ST-440C and ST-450C Series ASME

250 PSIG Working Pressure

Construction

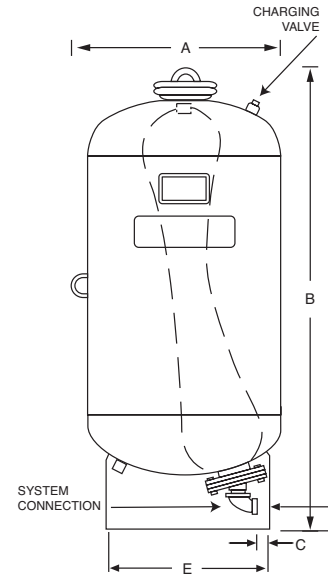
| | |
|-------------------|------------------------------|
| Shell | Steel |
| Bladder Material | Heavy Duty Butyl NSF/ANSI 61 |
| Bladder Thickness | .100 In Minimum |
| System Connection | Bronze |
| Finish | Red Oxide Primer |
| Air Valve | Schrader Valve w/ EPDM Seat |
| Factory Precharge | 55 PSIG (3.8 bar) |

Performance

| | |
|-------------------------------|---------------------|
| Maximum Operating Temperature | 240°F (115°C) |
| Maximum Working Pressure | 250 PSIG (17.2 bar) |
| Warranty | 1 Year |

Application

- For use in closed, potable water systems to control pressure build-up.
- Full acceptance replaceable bladder design.
- Optional sight glass and seismic restraints available.
- Designed and constructed per ASME Code Section VIII, Division 1.



ASME Models

| Model Number | Tank Volume | | Max. Accept. Factor | A Tank Diameter | | B Tank Height | | C System Conn. Height | | D Conn. Centerline | | E Stand Diameter | | System Conn. (NPTF) | Shipping Weight | |
|--------------|-------------|------|---------------------|-----------------|------|---------------|------|-----------------------|-----|--------------------|-----|------------------|------|---------------------|-----------------|------|
| | Gal | Lit | | In | mm | In | mm | In | mm | In | mm | In | mm | | Lbs | Kg |
| ST-447C | 53 | 200 | 1.0 | 24 | 610 | 45 | 1143 | 2 | 51 | 3¾ | 95 | 19 | 483 | 2 | 370 | 168 |
| ST-448C | 80 | 300 | 1.0 | 24 | 610 | 59 | 1498 | 2 | 51 | 3¾ | 95 | 19 | 483 | 2 | 492 | 223 |
| ST-449C | 106 | 400 | 1.0 | 24 | 610 | 73 | 1854 | 2 | 51 | 3¾ | 95 | 19 | 483 | 2 | 510 | 231 |
| ST-450C | 132 | 500 | 1.0 | 24 | 610 | 87 | 2210 | 2 | 51 | 3¾ | 95 | 19 | 483 | 2 | 570 | 259 |
| ST-451C | 158 | 600 | 1.0 | 30 | 762 | 73 | 1854 | 3½ | 89 | 5½ | 140 | 24 | 610 | 2 | 815 | 370 |
| ST-452C | 211 | 800 | 1.0 | 30 | 762 | 91 | 2311 | 3½ | 89 | 5½ | 140 | 24 | 610 | 2 | 1005 | 456 |
| ST-453C | 264 | 1000 | 1.0 | 36 | 914 | 86 | 2184 | 4½ | 114 | 7 | 178 | 30 | 762 | 3 | 1100 | 499 |
| ST-454C | 317 | 1200 | 1.0 | 36 | 914 | 98 | 2438 | 4½ | 114 | 7 | 178 | 30 | 762 | 3 | 1265 | 574 |
| ST-455C | 370 | 1400 | 1.0 | 36 | 914 | 110 | 2794 | 4½ | 114 | 7 | 178 | 30 | 762 | 3 | 1350 | 612 |
| ST-456C | 422 | 1600 | 1.0 | 48 | 1219 | 82 | 2083 | 7½ | 191 | 7⅞ | 178 | 42 | 1067 | 3 | 1660 | 753 |
| ST-457C | 528 | 2000 | 1.0 | 48 | 1219 | 97 | 2464 | 7½ | 191 | 7⅞ | 178 | 42 | 1067 | 3 | 2230 | 1012 |

All dimensions and weights are approximate.

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

