

L SERIES HIGH PRESSURE | HYDRONIC EXPANSION TANKS | 35L TO 800L | SUBMITTAL

File No: 37.522
Date: JUNE 15, 2016
Supersedes: NEW
Date: NEW

Job: _____ Representative: _____
 _____ Order no.: _____ Date: _____
 Engineer: _____ Submitted by: _____ Date: _____
 Contractor: _____ Approved by: _____ Date: _____

DESCRIPTION

L series-HP (High Pressure) Tanks are ASME removable bladder type pre-charged expansion tanks. They are designed to absorb the expansion forces and control the pressure in heating/cooling systems. The system's expanded water (fully compatible with water/glycol mixtures) is contained in a full acceptance heavy-duty butyl bladder that prevents tank corrosion and waterlogging problems. All L series expansion tanks can be installed vertically or horizontally.

DATA

Model no. ordered: _____ Qty: _____
 Tag no.: _____ Charge pressure: _____ psi/kPa
 Optional California sight-glass and seismic clips: Yes No
 Standard factory charge is 12 psi (83 kPa) unless otherwise specified.

TYPICAL SPECIFICATION

Furnish and install, as shown on plans, a _____ gallon _____" diameter x _____" (high) pre-charged steel expansion tank with heavy-duty butyl bladder. The tank shall have NPT system connections and a 0.302"-32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements. The tank must be constructed in accordance with most recent edition of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code.

MATERIALS OF CONSTRUCTION

Shell: Carbon steel
Bladder: Heavy Duty Butyl
System Connection: Carbon Steel

OPERATING CONDITIONS

Temperature Range: 40°F - 240°F (4.4°C - 115.5°C)
Maximum Pressure: 175 psi (1206 kPa)
 250 psi (1724 kPa)

| MODEL | TANK VOLUME in gal.(L) | DIMENSIONS in inches (mm) | | | | | | SHIPPING WEIGHT in lbs.(kg) | | |
|---------|------------------------|---------------------------|--------------|-----------------------|-----------|------------------|-------------|-----------------------------|-------------|-------------|
| | | A | B | SYSTEM CONNECTION NPT | | CHARGING VALVE | F | G | 175PSI | 250PSI |
| | | | | C | D | | | | | |
| 35L-HP | 10 (38) | 12.00 (305) | 23.50 (597) | 0.75 (19) | — | 0.302" - 32NC | 10 (254) | — | 52 (23.6) | 53 (24.0) |
| 50L-HP | 13 (49) | 14.00 (356) | 24.00 (610) | 0.75 (19) | — | | 10 (254) | — | 59 (26.8) | 65 (29.5) |
| 85L-HP | 23 (87) | 16.00 (406) | 37.00 (940) | 1.00 (25) | 0.5 (12) | | 12.00 (305) | 5.50 (140) | 95 (43.1) | 105 (47.6) |
| 130L-HP | 35 (132) | 20.00 (508) | 37.00 (940) | 1.00 (25) | 0.5 (12) | | 16.00 (406) | 5.50 (140) | 127 (57.6) | 141 (63.9) |
| 200L-HP | 53 (200) | 24.00 (610) | 43.00 (1092) | 1.50 (38) | 0.5 (12) | | 20.00 (508) | 5.25 (133) | 194 (88.0) | 220 (99.8) |
| 300L-HP | 79 (300) | 24.00 (610) | 55.00 (1397) | 1.50 (38) | 0.75 (19) | | 20.00 (508) | 5.25 (133) | 252 (114.3) | 282 (127.9) |
| 400L-HP | 106 (400) | 30.00 (762) | 49.00 (1245) | 1.50 (38) | 0.75 (19) | | 24.00 (610) | 5.25 (133) | 336 (152.4) | 410 (186.0) |
| 500L-HP | 132 (500) | 30.00 (762) | 57.00 (1448) | 1.50 (38) | 0.75 (19) | | 24.00 (610) | 5.25 (133) | 400 (181.4) | 512 (232.2) |
| 600L-HP | 158 (600) | 30.00 (762) | 65.00 (1651) | 1.50 (38) | 0.75 (19) | | 24.00 (610) | 5.25 (133) | 419 (190.0) | 569 (258.1) |
| 800L-HP | 211 (800) | 32.00 (813) | 76.00 (1930) | 1.50 (38) | 0.75 (19) | 28.00 (711) | 5.25 (133) | 592 (268.5) | 711 (322.5) | |

NOTES

- Tanks are factory pre-charged at 12 PSI and field adjustable.
- California code-sight glass is available upon request.
- Both top and bottom connections (C and D) access the bladder.
- Available with mounting clips.

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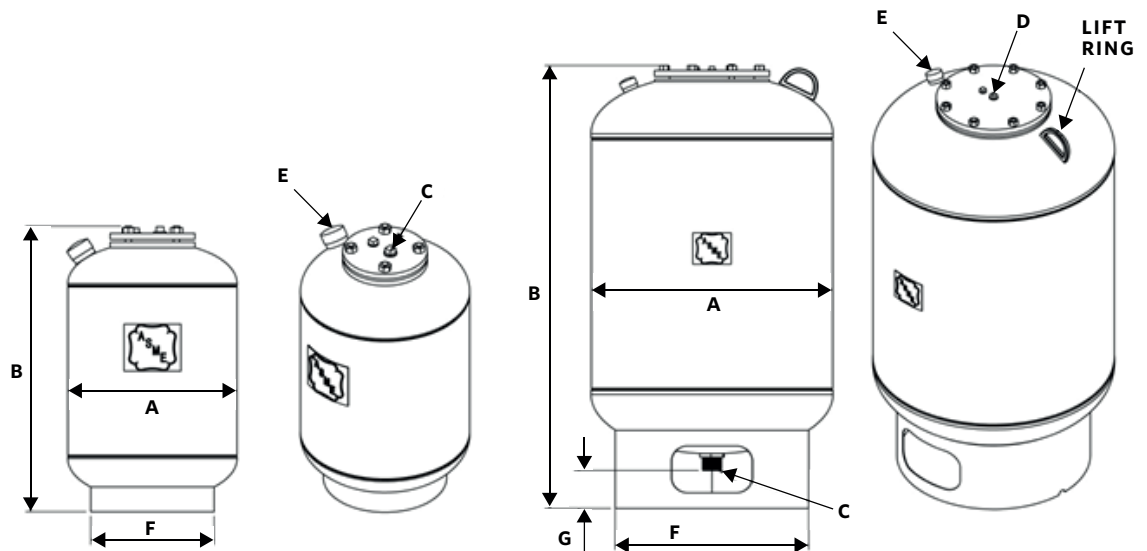
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MODELS 35L-HP & 50L-HP

MODELS 130L-HP TO 800L-HP