

**L SERIES HIGH PRESSURE | HYDRONIC EXPANSION
TANKS | 1000L TO 4000L | SUBMITTAL**

File No: 37.523
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 shall be fitted with lifting rings and a floor mounting skirt for vertical installation. 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

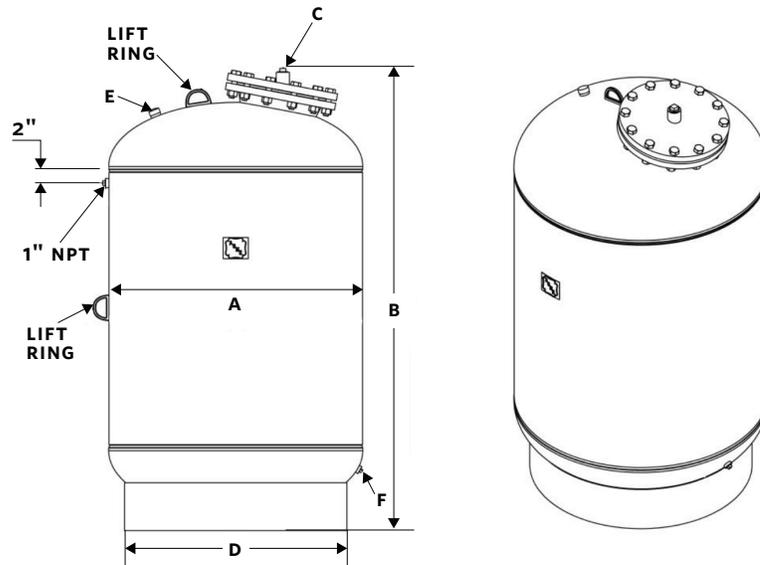
OPERATING CONDITIONS

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	D	CHARGING VALVE	DRAIN	175PSI	250PSI
				C		E	F		
1000L-HP	264 (999)	36.00 (914)	75 (1905)	1.50 (38)	30.00 (762)	0.302" 32NC	0.75 (19)	698 (316.6)	830 (376.5)
1200L-HP	317 (1200)	36.00 (914)	87 (2210)	1.50 (38)	30.00 (762)		0.75 (19)	905 (410.5)	1118 (507.1)
1400L-HP	370 (1400)	36.00 (914)	99 (2515)	1.50 (38)	30.00 (762)		0.75 (19)	1107 (502.1)	1330 (603.3)
1600L-HP	422 (1597)	48.00 (1219)	74 (1880)	1.50 (38)	42.00 (1067)		0.75 (19)	1413 (640.9)	1713 (777.0)
2000L-HP	528 (1999)	48.00 (1219)	87 (2210)	1.50 (38)	42.00 (1067)		0.75 (19)	1643 (745.2)	2026 (919.0)
2500L-HP	660 (2498)	48.00 (1219)	102 (2591)	2.00 (51)	42.00 (1067)		0.75 (19)	1935 (877.7)	2352 (1066.8)
3000L-HP	792 (3377)	48.00 (1219)	122 (3099)	2.00 (51)	42.00 (1067)		1.00 (25)	2198 (997.0)	2782 (1261.9)
3000S-HP	792 (3377)	60.00 (1524)	80 (2032)	2.00 (51)	54.00 (1372)		1.00 (25)	2694 (1222.0)	2965 (1344.9)
4000L-HP	1056 (3997)	60.00 (1524)	102 (2591)	2.00 (51)	54.00 (1372)		1.00 (25)	3291 (1492.8)	3736 (1694.6)

NOTES

- Tanks are factory pre-charged at 12 PSI and field adjustable.
- California code-sight glass is available upon request.
- Available with mounting clips.
- Tanks installed horizontally must have the system connection below the horizontal centerline of the tank.



MODELS 1000L-HP TO 4000L-HP

TORONTO
 +1 416 755 2291

BUFFALO
 +1 716 693 8813

BIRMINGHAM
 +44 (0) 8444 145 145

MANCHESTER
 +44 (0) 8444 145 145

BANGALORE
 +91 (0) 80 4906 3555

SHANGHAI
 +86 21 3756 6696

SÃO PAULO
 +55 11 4781 5500