

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

File No: 37.523
Date: MARCH 28, 2022
Supersedes: 37.523
Date: MAY 12, 2021

Job: _____ Representative: _____

Order no.: _____ Date: _____

Engineer: _____ Submitted by: _____ Date: _____

Contractor: _____ Approved by: _____ Date: _____

DATA

Model no. ordered: _____ Qty: _____

Tag no.: _____ Charge pressure: _____ psi/kPa

Standard factory charge is 40 psi (276 kPa) unless otherwise specified.

DESCRIPTION

L series (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.

MAXIMUM OPERATING CONDITIONS

Working temperature: -20°F to 240°F (-28.9°C to 115.5°C)

Maximum Pressure: 175 psi (1206 kPa)
 250 psi (1724 kPa)

MATERIALS OF CONSTRUCTION

Shell: Carbon steel

Bladder: Heavy Duty Butyl

System Connection: Carbon Steel

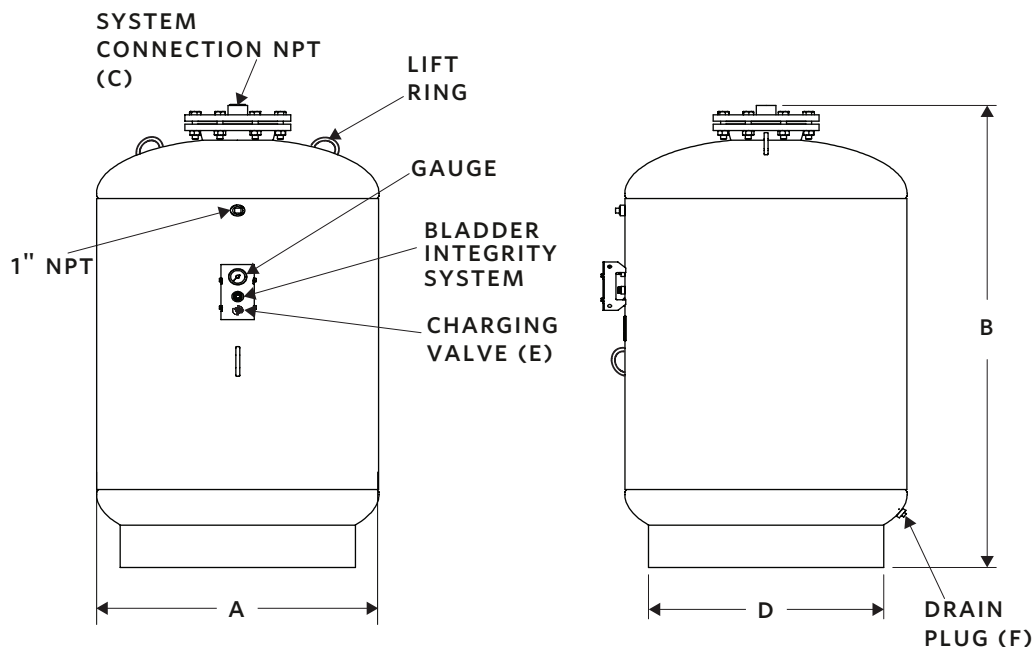
TYPICAL SPECIFICATION

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.

NOTES

- Tanks are factory pre-charged at 40 PSI and field adjustable.
- California code-sight glass is available upon request.
- Mounting clips are available on request
- Tanks installed horizontally must have the system connection below the horizontal centerline of the tank.
- Drain Plug (F) is on the air side of the tank. Do not remove.

MODEL	TANK VOLUME in gal.(L)	DIMENSIONS in inches (mm)						SHIPPING WEIGHT in lbs.(kg)	
		A	B	SYSTEM CONNECTION	D	CHARGING VALVE	DRAIN PLUG	175PSI	250PSI
				C		E	F		
1000-L	264 (999)	36.00 (914)	76.00 (1930)	1.50 (38)	30.00 (762)	0.302" 32NC	0.75 (19)	698 (317)	830 (376.5)
1200-L	317 (1200)	36.00 (914)	88.00 (2235)	1.50 (38)	30.00 (762)		0.75 (19)	905 (411)	1118 (507.1)
1400-L	370 (1400)	36.00 (914)	100.00 (2540)	1.50 (38)	30.00 (762)		0.75 (19)	1107 (502)	1330 (603.3)
1600-L	422 (1597)	48.00 (1219)	74.00 (1880)	1.50 (38)	42.00 (1067)		0.75 (19)	1413 (641)	1713 (777.0)
2000-L	528 (1999)	48.00 (1219)	86.00 (2184)	1.50 (38)	42.00 (1067)		0.75 (19)	1643 (745)	2026 (919.0)
2500-L	660 (2498)	48.00 (1219)	104.00 (2642)	2.00 (51)	42.00 (1067)		0.75 (19)	1935 (878)	2352 (1066.8)
3000-L	792 (2998)	48.00 (1219)	124.00 (3150)	2.00 (51)	42.00 (1067)		0.75 (19)	2198 (997)	2782 (1261.9)
4000-L	1056 (3997)	60.00 (1524)	105.00 (2667)	2.00 (51)	54.00 (1372)		0.75 (19)	3291 (1493)	3736 (1694.6)



MODELS 1000-L to 4000-L

- TORONTO
+1 416 755 2291
- BUFFALO
+1 716 693 8813
- DROITWICH SPA
+44 8444 145 145
- MANCHESTER
+44 8444 145 145
- BANGALORE
+91 80 4906 3555
- SHANGHAI
+86 21 5237 0909
- SÃO PAULO
+55 11 4785 1330
- LYON
+33 4 26 83 78 74
- DUBAI
+971 4 887 6775
- MANNHEIM
+49 621 3999 9858
- JIMBOLIA
+40 256 360 030