

L SERIES | PRE-CHARGED (ASME) EXPANSION TANK | SUBMITTAL

File No: 37.52
Date: FEBRUARY 11, 2022
Supersedes: 37.52
Date: JANUARY 31, 2022

Job: _____ Representative: _____

Order no.: _____ Date: _____

Engineer: _____ Submitted by: _____ Date: _____

Contractor: _____ Approved by: _____ Date: _____

DATA

Model no. ordered: _____ Qty: _____

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

Optional California sight-glass and seismic clips: Yes No

Standard factory charge is

- A200L-1400L: 12 psi (83 kPa)
- 1600L-4000L: 40 psi (276 kPa)

NOTES

- Not for Domestic Potable Water Systems.
- Designed and constructed per ASME, Section VIII, Division 1.
- California code sight-glass and seismic clips available as an option.
- Allow a minimum of 18" (457 mm) clearance for system piping.

MATERIALS OF CONSTRUCTION

Shell: Carbon steel

Bladder: Heavy Duty Butyl

OPERATING CONDITIONS

Temperature Range

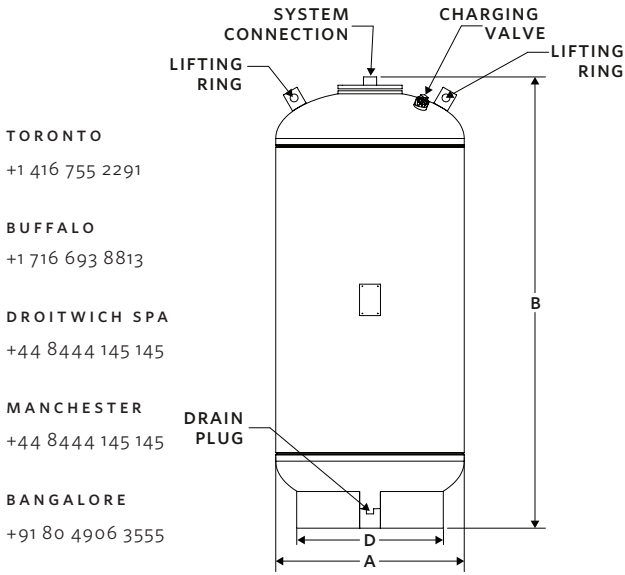
- A200L-1400L: 40°F — 240°F (4.4°C — 115.5°C)
- 1600L-4000L: -20°F — 240°F (-29°C — 115.5°C)

Maximum Pressure: 125 psi (862 kPa)

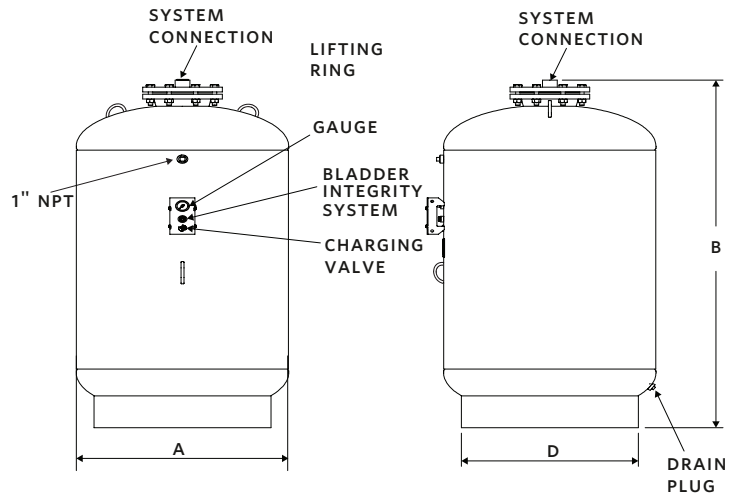
TYPICAL SPECIFICATION

Furnish and install, as shown on the plans, Armstrong Model _____-L ASME pre-charged bladder Expansion Tank, stamped for 125 psi (862 kPa) working pressure. Each tank will be supplied with a heavy duty butyl replaceable bladder. Tank shall be supplied with a ring base, lifting rings, and NPT system connection. An air charging valve connection (standard tire valve) shall be provided to facilitate adjusting pre-charge pressure to meet actual system conditions.

MODEL	TANK VOLUME	MAXIMUM ACCEPTANCE VOLUME	A	B	D	SYSTEM CONNECTION NPT	DRAIN PLUG	CHARGING VALVE	SHIPPING WEIGHT
	gal.(L)		inches (mm)		inches (mm)				lbs.(kg)
A200-L	53 (200)	53 (200)	24.00 (610)	38.40 (1475)	19.00 (483)	1.50 (38)	0.75 (19)	—	225 (102.1)
A300-L	80 (300)	80 (300)	24.00 (610)	52.27 (1328)	19.00 (483)	1.50 (38)	0.75 (19)		285 (129.3)
A400-L	106 (400)	106 (400)	24.00 (610)	66.14 (1680)	19.00 (483)	1.50 (38)	0.75 (19)		350 (158.8)
A500-L	132 (500)	132 (500)	24.00 (610)	80.14 (2036)	19.00 (483)	1.50 (38)	0.75 (19)		410 (186.0)
A600-L	158 (600)	158 (600)	30.00 (762)	64.75 (1645)	24.00 (610)	1.50 (38)	0.75 (19)		430 (195.0)
A800-L	211 (800)	211 (800)	30.00 (762)	82.44 (2094)	24.00 (610)	1.50 (38)	0.75 (19)		525 (238.1)
A1000-L	264 (1000)	264 (1000)	36.00 (914)	73.90 (1877)	28.00 (711)	1.50 (38)	0.75 (19)		565 (256.3)
A1200-L	317 (1200)	317 (1200)	36.00 (914)	86.00 (2184)	28.00 (711)	1.50 (38)	0.75 (19)		680 (308.4)
A1400-L	370 (1400)	370 (1400)	36.00 (914)	98.50 (2502)	28.00 (711)	1.50 (38)	0.75 (19)		750 (340.2)
1600-L	422 (1600)	422 (1600)	48.00 (1219)	74.00 (1880)	42.00 (1067)	1.50 (38)	0.75 (19)		0.302"-32NC
2000-L	528 (2000)	528 (2000)	48.00 (1219)	86.00 (2184)	42.00 (1067)	1.50 (38)	0.75 (19)	1150 (521.6)	
2500-L	660 (2495)	660 (2495)	48.00 (1219)	104.00 (2642)	42.00 (1067)	2.00 (51)	0.75 (19)	1444 (655.0)	
3000-L	792 (2994)	792 (2994)	48.00 (1219)	124.00 (3150)	42.00 (1067)	2.00 (51)	0.75 (19)	1658 (752.1)	
4000-L	1056 (3992)	1056 (3992)	60.00 (1524)	105.00 (2667)	54.00 (1372)	2.00 (51)	0.75 (19)	2238 (1015)	



MODELS A200-L TO A1400-L



MODELS 1600-L TO 4000-L

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