

# L SERIES | HYDRONIC EXPANSION TANKS |

## 35-L TO 130-L | SUBMITTAL

File No: 37.521  
 Date: MARCH 28, 2022  
 Supersedes: 37.521  
 Date: FEBRUARY 18, 2010

Job: \_\_\_\_\_ Representative: \_\_\_\_\_  
 \_\_\_\_\_ Ordered by: \_\_\_\_\_ 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.

### MAXIMUM OPERATING CONDITIONS

**Temperature Range:** -20°F to 240°F (-29°C to 115.5°C)  
**Maximum Pressure:** 125psi (862 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.
- Mounting kit available on request.

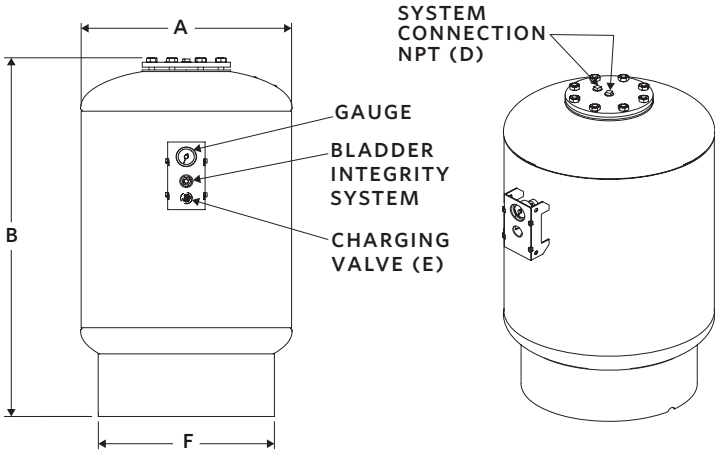
### MATERIALS OF CONSTRUCTION

**Shell:** Carbon steel  
**Bladder:** Heavy Duty Butyl

### TYPICAL SPECIFICATION

Furnish and install, as shown on the plans, Armstrong Model \_\_\_\_\_-L ASME pre-charged bladder Expansion Tank, stamped for \_\_\_\_\_ psi 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 in gal.(L)	DIMENSIONS in inches (mm)							SHIPPING WEIGHT in lbs(kg)
		A	B	SYSTEM CONNECTION NPT		CHARGING VALVE	F	G	
				C	D	E			125PSI
35-L	10 (38)	12.00 (305)	23.50 (597)	—	0.75 (19)	0.302" – 32NC	10.00 (254)	—	40 (18.1)
50-L	13 (49)	14.00 (356)	24.00 (610)	—	0.75 (19)		10.00 (254)	—	50 (22.7)
85-L	23 (87)	16.00 (406)	37.00 (940)	1.00 (25)	0.75 (19)		12.00 (305)	5.50 (140)	90 (40.8)
130-L	35 (132)	20.00 (508)	37.00 (940)	1.00 (25)	0.75 (19)		16.00 (406)	5.50 (140)	125 (56.7)



TORONTO  
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MODELS 35-L & 50-L

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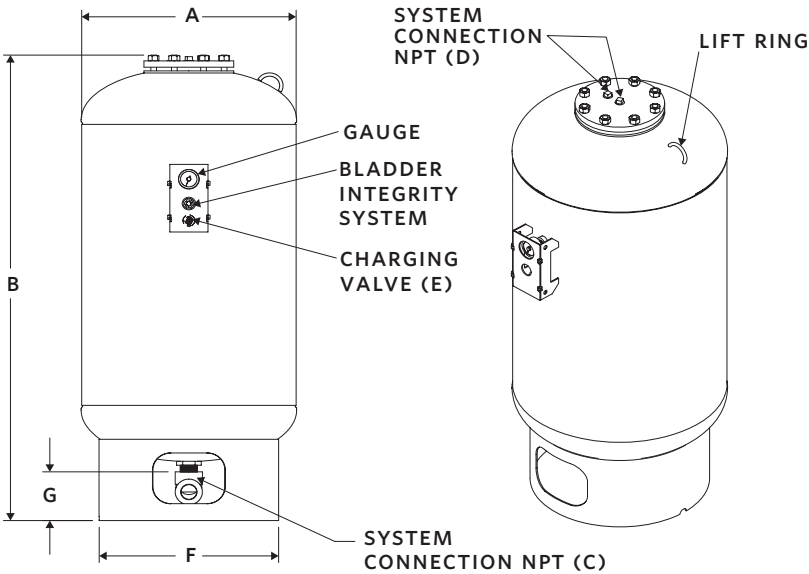
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MODELS 85-L TO 130-L