



Designed for Closed Hydronic  
Heating and Cooling Systems

## **ASME Expansion Tanks Series "B" Full Acceptance Pre-Charged Bladder Tanks**

- Increases System Performance
- Reduces Oxygen Corrosion
- Prevents Waterlogging
- Replaceable Bladder
- Meets ASME Section VIII, Division 1 Standards
- 125 PSI Working Pressure Standard
- High Maximum Operating Temperature 240°F
- Seismic Restraints Available
- Sight Glass Available
- Higher Working Pressure of 175 PSI & 250 PSI Available



# Series "B" Full Acceptance Tanks

## DESCRIPTION

Series "B" expansion tanks are ASME rated pre-charged bladder-type pressure vessels. The Series "B" tank is designed to absorb the expansion forces of heating/cooling system water while maintaining proper system pressurization under varying operating conditions. The heavy duty bladder contains system water thereby eliminating tank corrosion and waterlogging problems.

Dimensions: Gallons (Ltrs.), Inches (mm), Weights: LBS. (KG)

## OPERATING DATA

Maximum working pressure . . . . . 125 PSI (862kPa)  
 Maximum operating temperature . . . . . 240°F (115°C)

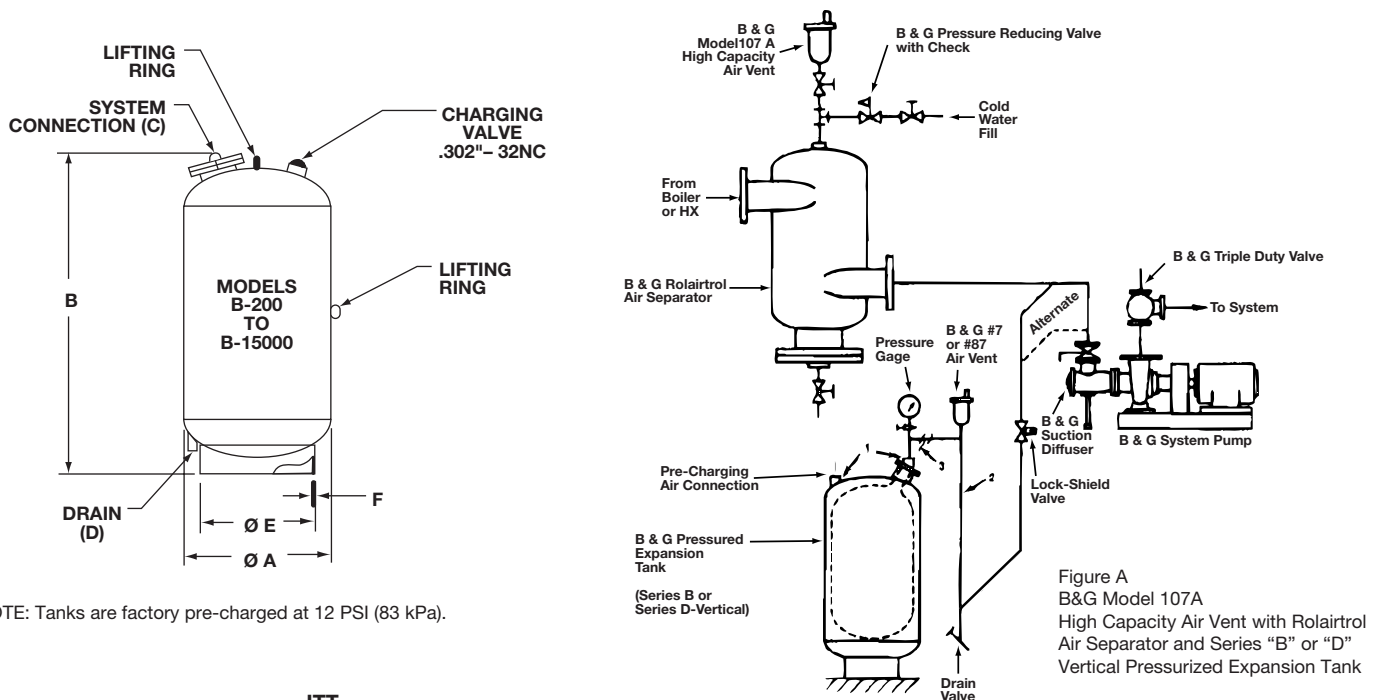
## MATERIALS OF CONSTRUCTION

System Connection: Forged Steel  
 Shell: Carbon Steel  
 Bladder: Heavy Duty Butyl Rubber  
 Designed and Constructed per ASME Section VIII, Division 1

PART NUMBER	MODEL NUMBER	TANK VOLUME	ACCEPTANCE VOLUME	A	B	C (NPTF)	D	E	F	APPROX. SHPG. WT.	APPROX. WT. 100% FULL*
116550	B-200	53 (200)	53 (200)	24 (610)	36 <sup>7</sup> / <sub>8</sub> (936)	1	3/4	19 (483)	3/16 (5)	192 (87)	629 (285)
116551	B-300	80 (300)	80 (300)		50 <sup>7</sup> / <sub>8</sub> (1292)					268 (122)	928 (421)
116552	B-400	106 (400)	106 (400)		64 <sup>3</sup> / <sub>4</sub> (1644)					309 (140)	1184 (537)
116553	B-500	132 (500)	132 (500)	30 (762)	78 (1981)	1	24 (610)	3/16 (5)	328 (149)	1417 (643)	
116554	B-600	158 (600)	158 (600)		63 <sup>3</sup> / <sub>4</sub> (1619)				510 (232)	1814 (823)	
116555	B-800	211 (800)	211 (800)	36 (914)	81 <sup>3</sup> / <sub>4</sub> (2076)	1 1/2	1 1/4	30 (762)	656 (297)	2306 (1046)	
116556	B-1000	264 (1000)	264 (1000)		73 (1854)				691 (313)	2869 (1301)	
116557	B-1200	317 (1200)	317 (1200)		85 <sup>3</sup> / <sub>8</sub> (2169)				779 (353)	3394 (1539)	
116558	B-1400	370 (1400)	370 (1400)	48 (1219)	97 <sup>3</sup> / <sub>4</sub> (2483)	2	1 1/2	42 (1067)	905 (410)	3958 (1795)	
116559	B-1600	422 (1600)	422 (1600)		69 <sup>1</sup> / <sub>8</sub> (1756)				1183 (537)	4665 (2116)	
116560	B-2000	528 (2000)	528 (2000)	54 (1372)	84 (2145)	3	1 1/2	54 (1372)	1264 (573)	5620 (2549)	
116793	B-2500	660 (2500)	660 (2500)		100 <sup>7</sup> / <sub>8</sub> (2562)				1445 (655)	6890 (3125)	
116794	B-3000	792 (3000)	792 (3000)		118 <sup>1</sup> / <sub>8</sub> (3000)				1630 (739)	8164 (3703)	
116795	B-3500	925 (3500)	925 (3500)	60 (1524)	111 (2820)	2	1 1/2	42 (1067)	2110 (957)	9741 (4418)	
116796	B-4000	1057 (4000)	1057 (4000)		124 <sup>1</sup> / <sub>2</sub> (3163)				2230 (1011)	10950 (4967)	
116819	B-5000	1321 (5000)	1321 (5000)	72 (1829)	128 (3251)	3	1 1/2	54 (1372)	2450 (1111)	13403 (6079)	
116841	B-7500	1980 (7500)	1980 (7500)		127 (3326)				4000 (1814)	20500 (9299)	
116842	B-10000	2640 (10000)	2640 (10000)		159 (4039)				4900 (2223)	26890 (12197)	
116843	B-15000	3963 (15000)	3963 (15000)		233 (5918)				6000 (2721)	39010 (17695)	

Dimensions subject to change. Not to be used for construction purposes \*Approximate weight 100% full occurs if bag fails or if air charge is lost. Refer to submittals for optional seismic restraints.

## TYPICAL HYDRONIC HEATING/COOLING APPLICATION



NOTE: Tanks are factory pre-charged at 12 PSI (83 kPa).

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