



**Designed for Closed Hydronic
Heating and Cooling Systems**

ASME Expansion Tanks Series "B-LA" 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**



Series "B-LA" Bladder Tanks

DESCRIPTION

Series "B-LA" expansion tanks are ASME rated pre-charged bladder-type pressure vessels. The Series "B-LA" 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.

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

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

PART NUMBER	MODEL NUMBER	TANK VOLUME	ACCEPTANCE VOLUME	A	B	C	D	APPROX. SHPG. WT.	APPROX. WT. 100% FULL*
116782	B-35LA	10 (38)	10 (38)	10 (254)	37 ⁵ / ₁₆ (948)			65 (29)	144 (67)
116783	B-50LA	13 (50)	11 (40)	12 (305)	37 ¹ / ₁₆ (941)			72 (33)	164 (74)
116784	B-85LA	22 (85)		16 (406)	34 ⁵ / ₁₆ (872)			88 (40)	270 (122)
116785	B-100LA	26 (100)		39 (991)				94 (43)	308 (140)
116786	B-130LA	34 (130)	27 (100)	20 (508)	34 ¹¹ / ₁₆ (881)	1	3/4	130 (59)	410 (186)
116787	B-165LA	44 (165)		39 ¹¹ / ₁₆ (1008)	140 (63)			503 (228)	
116788	B-200LA	53 (200)		40 ⁷ / ₈ (1039)	192 (87)			629 (285)	
116789	B-300LA	80 (300)		56 (1423)	230 (104)			890 (404)	
116790	B-400LA	106 (400)	53 (200)	24 (610)	68 ⁵ / ₈ (1743)			274 (124)	1148 (521)
116791	B-500LA	132 (500)		82 ¹ / ₂ (2096)	308 (140)	1397 (634)			
116792	B-600LA	158 (600)		30 (762)	67 (1702)	442 (200)	1745 (791)		

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

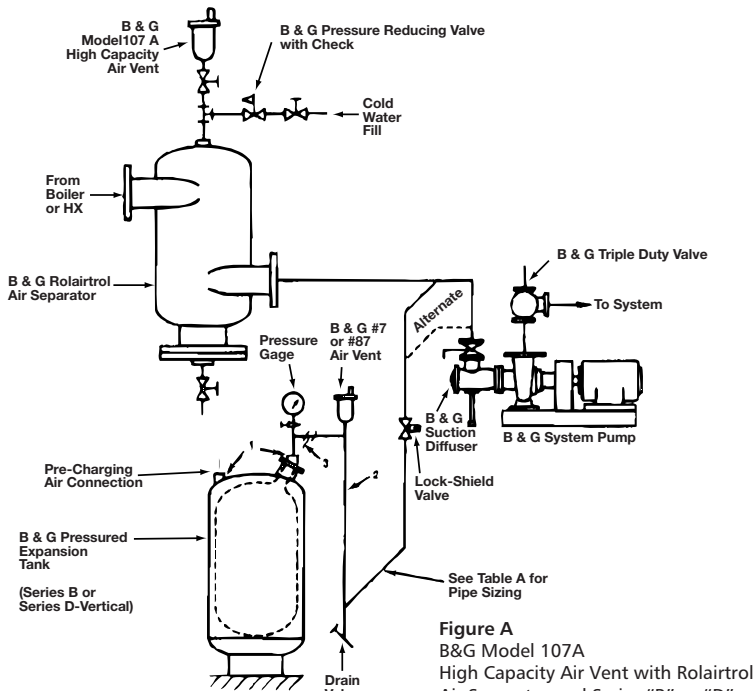
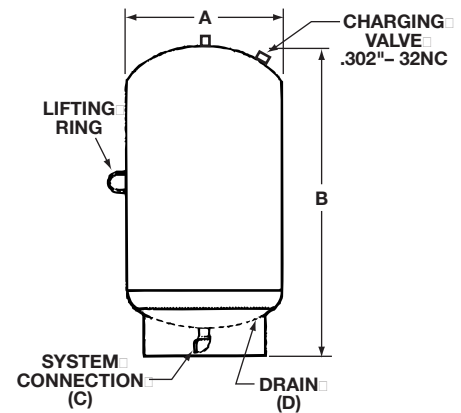


Figure A
 B&G Model 107A
 High Capacity Air Vent with Rolairtrol
 Air Separator and Series "B" or "D"
 Vertical Pressurized Expansion Tank



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



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