

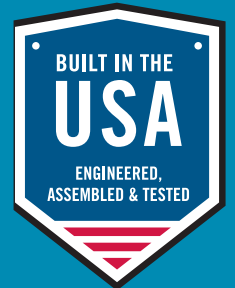
- Commercial Applications
- ASME Construction
- Controls System Pressure
- Protects Plumbing Fixtures
- Eliminates Relief Valve Blow-Off
- FDA Approved Materials
- High Maximum Operating Temperatures
- High Working Pressures of 175 PSI and 250 PSI Available



**Designed for Potable  
Hot Water Systems**

# ASME Expansion Tanks

SERIES PTA PRE-CHARGED TANKS



**Bell & Gossett**  
a xylem brand

# PTA Potable Hot Water Tanks (ASME Construction)

## DESCRIPTION

The Series PTA expansion tank is an ASME constructed vessel designed to absorb the forces of expanding water and protect the domestic water system from pressure build up. PTA-5 through PT-210 are diaphragm tanks that have a FDA approved polypropylene liner and butyl diaphragm that isolate the water from the steel shell. The PTA-447 through PTA-457 are bladder tanks that utilize a FDA approved replaceable butyl bladder to isolate the system water from the steel shell.

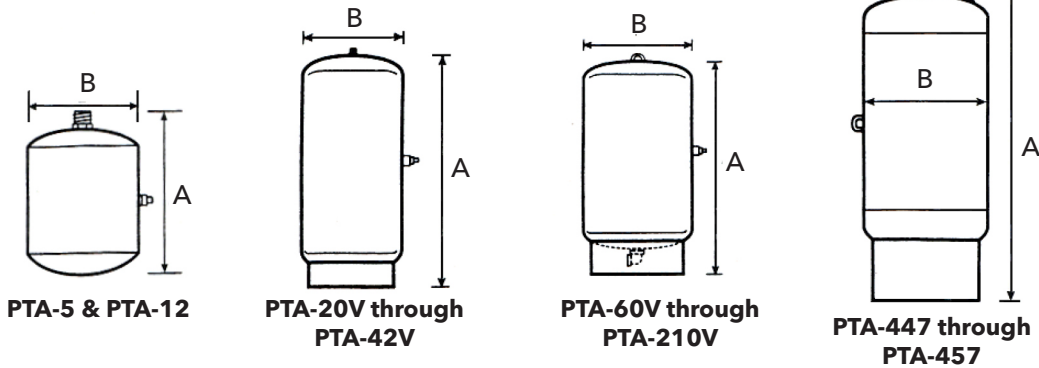
## PTA-5 THROUGH PTA-210V DIAPHRAGM TANKS

Maximum Working Pressure . . . . . 150 PSI (1035kPa)  
 Maximum Operating Temperature . . . . . 200°F (93°C)  
 Materials: Polypropylene Liner, Butyl Diaphragm, Steel Shell, Stainless Steel System Connection  
 Factory Precharge . . . . . 55 PSI (379kPa)

## PTA-447 THROUGH PTA-457 BLADDER TANKS

Maximum Working Pressure . . . . . 125 PSI (862kPa)  
 Maximum Operating Temperature . . . . . 240°F (115°C)  
 Materials: Butyl Bladder, Steel Shell, Bronze Connection  
 Factory Precharge . . . . . 55 PSI (379kPa)

All tanks designed and constructed per ASME Section VIII Division 1.



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

Model Number	Part Number	Tank Volume	Maximum Recommended Acceptance Volume	A Height	B Diameter	System Connection	Approx. Shipping Weight
PTA-5	1BN051LF	2.1 (8)	0.9 (3)	14 (356)	8 (203)	3/4 NPTM	21 (9.5)
PTA-12	1BN052LF	6.4 (24)	3.2 (12)	18 (457)	12 (305)	3/4 NPTM	26 (12)
PTA-20V	1BN053LF	8.0 (30)	3.2 (12)	19 (483)	12 (305)	3/4 NPTF	41 (19)
PTA-30V	1BN054LF	14 (53)	9 (34)	19 (483)	16 (406)	3/4 NPTF	84 (38)
PTA-42V	1BN055LF	17.5 (66)	11.4 (43)	24 (610)	16 (406)	3/4 NPTF	90 (41)
PTA-60V	1BN056LF	25 (95)	11.3 (43)	32 (813)	16 (406)	3/4 NPTF	96 (44)
PTA-80V	1BN057LF	53 (200)	34.5 (130)	37 (940)	24 (610)	1 1/4 NPTF	229 (104)
PTA-180V	1BN058LF	77 (292)	33.9 (128)	49 (1245)	24 (610)	1 1/4 NPTF	288 (131)
PTA-210V	1BN059LF	90 (341)	34.3 (129)	57 (1448)	24 (610)	1 1/4 NPTF	318 (144)
PTA-447	1BN067LF	53 (200)	53 (200)	45 (1143)	24 (610)	2 NPTF	263 (120)
PTA-448	1BN068LF	80 (300)	80 (300)	59 (1498)	24 (610)	2 NPTF	308 (140)
PTA-449	1BN069LF	106 (400)	106 (400)	73 (1854)	24 (610)	2 NPTF	353 (161)
PTA-450	1BN070LF	132 (500)	132 (500)	87 (2210)	24 (610)	2 NPTF	391 (178)
PTA-451	1BN060LF	158 (600)	158 (600)	73 (1854)	30 (762)	2 NPTF	508 (230)
PTA-452	1BN061LF	211 (800)	211 (800)	91 (2311)	30 (762)	2 NPTF	760 (345)
PTA-453	1BN062LF	264 (1000)	264 (1000)	86 (2184)	36 (914)	3 NPTF	810 (368)
PTA-454	1BN063LF	317 (1200)	317 (1200)	98 (2438)	36 (914)	3 NPTF	914 (415)
PTA-455	1BN064LF	370 (1400)	370 (1400)	110 (2794)	36 (914)	3 NPTF	1018 (462)
PTA-456	1BN065LF	422 (1600)	422 (1600)	82 (2083)	48 (1219)	3 NPTF	1655 (750)
PTA-457	1BN066LF	528 (2000)	528 (2000)	97 (2464)	48 (1219)	3 NPTF	1925 (873)

Dimensions subject to change. Not to be used for construction purposes.



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