

- 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
- Complies with NSF/ANSI Standard 61



**Integrated Bladder  
Integrity Monitor Included  
on Each Model**



**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-210V are bladder 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.

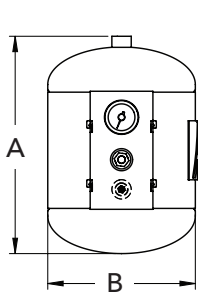
## PTA-5 THROUGH PTA-210V DIAPHRAGM TANKS

Maximum Working Pressure . . . . . 150 PSI (1035 kPa)  
 Maximum Operating Temperature . . . . . 240°F (116°C)  
 Materials: Polypropylene Liner, Butyl Diaphragm, Steel Shell, Stainless Steel System Connection  
 Factory Precharge . . . . . 40 PSI (276 kPa)

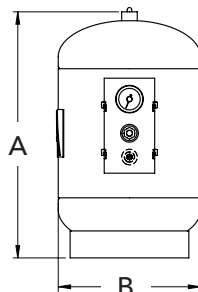
## PTA-447 THROUGH PTA-457 BLADDER TANKS

Maximum Working Pressure . . . . . 150 PSI (1034 kPa)  
 Maximum Operating Temperature . . . . . 240°F (115°C)  
 Materials: Butyl Bladder, Steel Shell, Stainless Steel System Connection  
 Factory Precharge . . . . . 40 PSI (276 kPa)

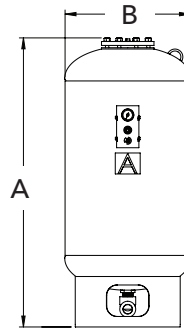
All tanks designed and constructed per ASME Section VIII Division 1.



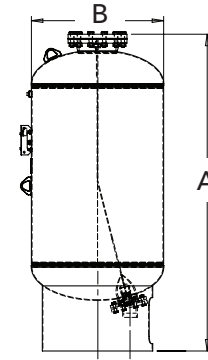
PTA-5 thru PTA-12



PTA-20V thru PTA-210V



PTA-447 thru PTA-449



PTA-450 thru PTA-457

## 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	1BN346LF	3.5 (13)	2.3 (9)	14 (356)	10 (254)	3/4 NPTF	22 (10)
PTA-12	1BN347LF	5 (19)	3.3 (12)	14 (356)	12 (305)	3/4 NPTF	28 (13)
PTA-20V	1BN348LF	8 (30)	5.3 (20)	21 (508)	12 (305)	3/4 NPTF	34 (15)
PTA-30V	1BN349LF	15 (57)	10 (38)	25 (610)	16 (406)	1 NPTF	50 (23)
PTA-42V	1BN350LF	22 (83)	14 (53)	31 (787)	16 (406)	1 NPTF	57 (26)
PTA-60V	1BN351LF	26 (98)	18 (68)	34 (864)	16 (406)	1 NPTF	62 (28)
PTA-80V	1BN352LF	35 (132)	24 (91)	45 (1143)	16 (406)	1 NPTF	80 (36)
PTA-100V	1BN353LF	45 (170)	30 (113)	39 (991)	20 (508)	1 NPTF	110 (50)
PTA-125V	1BN354LF	60 (227)	40 (151)	50 (1270)	20 (508)	1 NPTF	134 (61)
PTA-160V	1BN355LF	70 (265)	47 (178)	47 (1194)	24 (610)	1 1/2 NPTF	177 (80)
PTA-180V	1BN356LF	80 (302)	53 (200)	50 (1270)	24 (610)	1 1/2 NPTF	184 (83)
PTA-210V	1BN357LF	90 (340)	60 (227)	53 (1346)	24 (610)	1 1/2 NPTF	193 (88)
PTA-447	1BN358LF	53 (200)	53 (200)	43 (1092)	24 (610)	1 1/2 NPTF	220 (100)
PTA-448	1BN359LF	80 (300)	80 (300)	55 (1397)	24 (610)	1 1/2 NPTF	236 (107)
PTA-449	1BN360LF	106 (400)	106 (400)	49 (1245)	30 (762)	1 1/2 NPTF	315 (143)
PTA-450	1BN361LF	132 (500)	132 (500)	57 (1448)	30 (762)	2 NPTF	347 (158)
PTA-451	1BN362LF	158 (600)	158 (600)	65 (1651)	30 (762)	2 NPTF	378 (172)
PTA-452	1BN363LF	211 (800)	211 (800)	76 (1930)	32 (813)	2 NPTF	503 (229)
PTA-453	1BN364LF	264 (1000)	264 (1000)	86.5 (2197)	36 (914)	3 NPTF	795 (361)
PTA-454	1BN365LF	317 (1200)	317 (1200)	98.5 (2502)	36 (914)	3 NPTF	820 (373)
PTA-455	1BN366LF	370 (1400)	370 (1400)	110.5 (2807)	36 (914)	3 NPTF	980 (445)
PTA-456	1BN367LF	422 (1600)	422 (1600)	84 (2134)	48 (1219)	3 NPTF	1395 (634)
PTA-457	1BN368LF	528 (2000)	528 (2000)	96 (2438)	48 (1219)	3 NPTF	1525 (693)

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



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