



ASME Expansion Tanks

Series PTA pre-charged tanks

- 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



Bell & Gossett
xylem

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.

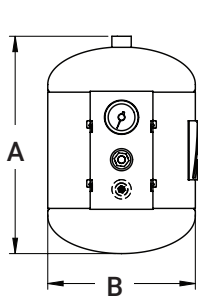
PTA-5 through PTA-210V diaphragm tanks

- 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)

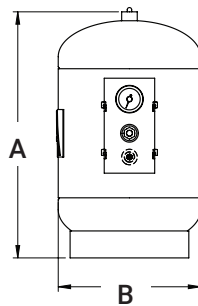
PTA-447 through PTA-457 bladder tanks

- 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)

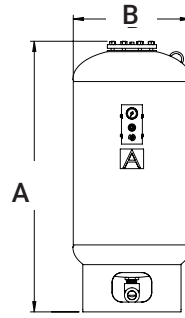
All tanks designed and constructed per ASME Section VIII division 1.



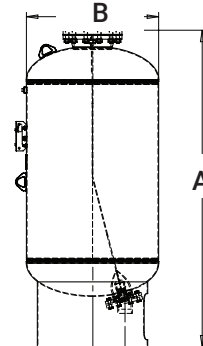
PTA-5 thru PTA-12



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

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

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