



**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



“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 Pressure150 PSI (1035kPa)
 Maximum Operating Temperature200°F (93°C)
 Materials: Polypropylene Liner, Butyl Diaphragm, Steel Shell, Stainless Steel System Connection
 Factory Precharge55 PSI (379kPa)

PTA-447 THROUGH PTA-457 BLADDER TANKS

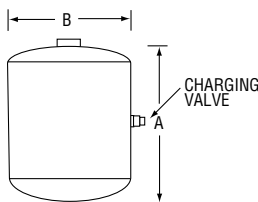
Maximum Working Pressure125 PSI (862kPa)
 Maximum Operating Temperature240°F (115°C)
 Materials: Butyl Bladder, Steel Shell, Bronze Connection
 Factory Precharge55 PSI (379kPa)

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

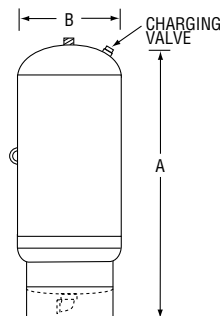
Dimensions: Gallons (Ltrs.), Inches (mm), Weights: LBS. (KG)

MODEL NUMBER	PART NUMBER	TANK VOLUME	MAX. RECOMMENDED ACCEPTANCE VOLUME	0 PSIG. ACCEPTANCE VOLUME	A HEIGHT	B DIAMETER	SYSTEM CONNECTION	APPROX. SHPG. WT.
PTA-5	1BN051	2.1 (8)	0.9 (3)	0.9 (3)	10 ³ / ₈ (264)	10 (254)	3/4 NPTM	21 (9.5)
PTA-12	1BN052	6.4 (24)	3.2 (12)	3.2 (12)	15 ⁵ / ₈ (397)	12 (305)	3/4 NPTM	26 (12)
PTA-20V	1BN053	8.0 (30)	3.2 (12)	3.2 (12)	19 ¹ / ₂ (495)	12 (305)	3/4 NPTF	41 (19)
PTA-30V	1BN054	14 (53)	9 (34)	9 (34)	19 ¹ / ₈ (486)	16 ¹ / ₄ (413)	3/4 NPTF	84 (38)
PTA-42V	1BN055	17.5 (66)	11.4 (43)	11.4 (43)	24 ¹ / ₄ (616)	16 ¹ / ₄ (413)	3/4 NPTF	90 (41)
PTA-60V	1BN056	25 (95)	11.3 (43)	11.3 (43)	34 (864)	16 ¹ / ₄ (413)	3/4 NPTF	96 (44)
PTA-80V	1BN057	53 (200)	34.5 (130)	34.5 (130)	40 ¹ / ₂ (1029)	24 (610)	1 ¹ / ₄ NPTF	229 (104)
PTA-180V	1BN058	77 (292)	33.9 (128)	33.9 (128)	52 ⁵ / ₈ (1337)	24 (610)	1 ¹ / ₄ NPTF	288 (131)
PTA-210V	1BN059	90 (341)	34.3 (129)	34.3 (129)	60 (1524)	24 (610)	1 ¹ / ₄ NPTF	318 (144)
PTA-447	1BN067	53 (200)	34 (129)	53 (200)	45 ¹ / ₄ (1150)	24 (610)	2 NPTF	263 (120)
PTA-448	1BN068	80 (300)	52 (197)	80 (300)	59 ¹ / ₈ (1502)	24 (610)	2 NPTF	308 (140)
PTA-449	1BN069	106 (400)	69 (261)	106 (400)	73 ¹ / ₈ (1857)	24 (610)	2 NPTF	353 (161)
PTA-450	1BN070	132 (500)	85 (332)	132 (500)	86 ⁵ / ₈ (2200)	24 (610)	2 NPTF	391 (178)
PTA-451	1BN060	158 (600)	102.7 (389)	158 (600)	73 ¹ / ₄ (1861)	30 (762)	2 NPTF	508 (230)
PTA-452	1BN061	211 (800)	137.2 (519)	211 (800)	91 (2317)	30 (762)	2 NPTF	760 (345)
PTA-453	1BN062	264 (1000)	171.6 (650)	264 (1000)	85 ⁵ / ₈ (2175)	36 (914)	3 NPTF	810 (368)
PTA-454	1BN063	317 (1200)	206.1 (780)	317 (1200)	98 (2489)	36 (914)	3 NPTF	914 (415)
PTA-455	1BN064	370 (1400)	240.5 (910)	370 (1400)	110 ³ / ₈ (2804)	36 (914)	3 NPTF	1018 (462)
PTA-456	1BN065	422 (1600)	274.3 (1038)	422 (1600)	87 ⁷ / ₈ (2080)	48 (1220)	3 NPTF	1655 (750)
PTA-457	1BN066	528 (2000)	343.2 (1300)	528 (2000)	97 ¹ / ₄ (2470)	48 (1220)	3 NPTF	1925 (873)

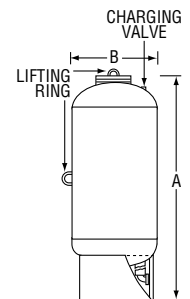
Dimensions subject to change. Not to be used for construction purposes.



PTA-5, PTA-12



PTA-20V through PTA-210V



PTA-447 through PTA-457

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