

- Residential and Commercial Applications:
- Controls System Pressure
- Protects Plumbing Fixtures
- Eliminates Relief Valve Blow-Off
- FDA Approved Materials
- High Maximum Operating Temperatures
- High Working Pressures of 150 PSI



**Designed for Potable
Hot Water Systems**

Non-ASME Expansion Tanks

Series "PT" Pre-charged Tanks

Series "PT" Potable Hot Water Tanks

DESCRIPTION

The Series PT expansion tank is designed to absorb the forces of expanding water and protect a potable water system from pressure build up. The FDA approved heavy duty butyl diaphragm with polypropylene liner (sizes PT-5 through PT-210V) and FDA approved heavy duty butyl bladder (sizes PT-451 through PT-457) completely isolate the water from the steel shell.

Models PT-5 through PT-210V are listed by NSF 61.

RESIDENTIAL/LIGHT COMMERCIAL NON-ASME DIAPHRAGM TANKS

Maximum Working Pressure:

PT-5 & PT-12150 PSI (1035kPa)
 PT-25V thru PT-210V100 PSI (689kPa)

Maximum Operating Temperature200°F m(93°C)

Materials: Steel Shell, Polypropylene Liner, Butyl Diaphragm
 System Connection: PT-25V thru PT-210V are stainless steel.

All others are brass.

Factory Pre-charge38 PSI (276kPa)

COMMERCIAL NON-ASME BLADDER TANKS

Maximum Working Pressure150 PSI (1035kPa)

Maximum Operating Temperature240°F m(116°C)

Materials: Steel Shell, Butyl Bladder

System ConnectionBronze

Factory Pre-charge55 PSI (379kPa)

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

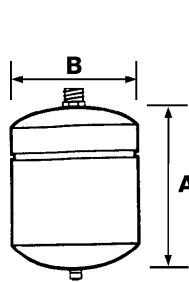
Residential/Light Commercial Non-ASME Diaphragm Tanks

MODEL NUMBER	PART NUMBER	VOLUME GALLONS (Liters)		A HEIGHT	B DIAMETER	SYSTEM CONNECTION	APPROX. SHPG. WT. LBS. (Kg)
		TANK	ACCEPTANCE				
PT-5	1BN317LF	2 (7.5)	0.9 (3.4)	12 ⁵ / ₈ (321)	8 (203)	3/4" NPTM	5 (2.3)
PT-12	1BN318LF	4.4 (16.6)	3.2 (12)	15 (381)	11 (279)		9 (4.1)
PT-25V	1BN319LF	10.3 (39)	10.3 (39)	19 ¹ / ₄ (489)	15 ³ / ₈ (391)	3/4" NPTF	23 (10.4)
PT-30V	1BN320LF	14 (53)	11.3 (43)	24 ³ / ₄ (629)	15 ³ / ₈ (391)	1" NPTF	24 (11)
PT-42V	1BN321LF	20 (76)	11.4 (43)	32 ¹ / ₂ (825)	15 ³ / ₈ (391)		34 (15.5)
PT-60V	1BN322LF	34 (129)	34 (129)	31 ³ / ₄ (808)	22 (559)	1 ¹ / ₄ " NPTF	56 (25.5)
PT-80V	1BN323LF	44 (167)	33.8 (128)	36 ¹ / ₂ (927)	22 (559)		64 (29.1)
PT-180V	1BN324LF	62 (235)	34.1 (129)	48 ¹ / ₂ (1232)	22 (559)		89 (40.5)
PT-210V	1BN325LF	86 (326)	46.4 (176)	46 (1168)	26 (660)		116 (52.8)

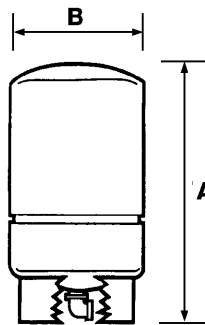
Commercial Non-ASME Bladder Tanks

MODEL NUMBER	PART NUMBER	VOLUME GALLONS (Liters)		A HEIGHT	B DIAMETER	SYSTEM CONNECTION	APPROX. SHPG. WT. LBS. (Kg)
		TANK	ACCEPTANCE				
PT-451	1BN010LF	158 (600)	102.7 (388)	73 ¹ / ₄ (1861)	30 (762)	2" NPTF	508 (230)
PT-452	1BN011LF	211 (800)	137.2 (519)	91 (2317)	30 (762)		760 (345)
PT-453	1BN012LF	264 (1000)	171.6 (650)	85 ⁵ / ₈ (2175)	36 (914)	3" NPTF	810 (368)
PT-454	1BN013LF	317 (1200)	206.1 (780)	98 (2489)	36 (914)		914 (415)
PT-455	1BN014LF	370 (1400)	240.5 (910)	110 ³ / ₈ (2804)	36 (914)		1018 (462)
PT-456	1BN015LF	422 (1600)	274.3 (1038)	81 ⁷ / ₈ (2080)	48 (1219)		1655 (750)
PT-457	1BN016LF	528 (2000)	343.2 (1300)	97 ¹ / ₄ (2470)	48 (1219)		1925 (873)

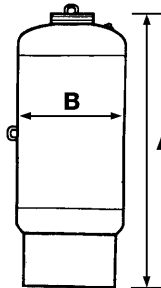
Dimensions subject to change. Not to be used for construction purposes.



PT-5 through PT-12



PT-25V through PT-210V



PT-451 through PT-457



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