



ITT

Bulletin A-353C



Designed for Potable
Hot Water Systems

Non-ASME Expansion Tanks Series "PT" Pre-charged Tanks

- 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

Engineered for life





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.

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

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)

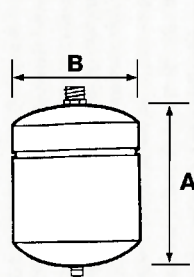
Residential/Light Commercial Non-ASME Diaphragm Tanks

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)

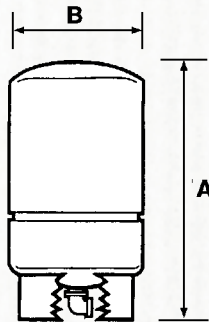
Commercial Non-ASME Bladder Tanks

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)		810 (368)
PT-454	1BN013LF	317 (1200)	206.1 (780)	98 (2489)	36 (914)	3" NPTF	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)

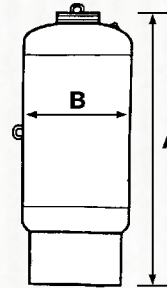
Dimensions subject to change. Not to be used for construction purposes.



PT-5 through PT-12



PT-25V through PT-210V



PT-451 through PT-457