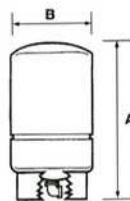


PT Diaphragm Tanks • Expansion Tanks

Bell & Gossett PT expansion tanks are designed to absorb the force of thermal expansion in domestic potable water systems. Tanks for potable water systems, Series PT and PTA (ASME construction) are available in sizes from 2—528 gallons.



PT-5 & PT-12



PT-25V thru PT-210V

PT Tanks for Potable Water Systems

Model Number	Part Number	Volume Gallons (Liters)		Height (A) Inches (mm)	Diameter (B) Inches (mm)	System Connection	Approx. Shpg. Wt. lbs. (Kg)
		Tank	Acceptance				
PT-5	1BN001	2 (8)	1.0 (4)	12-5/8 (321)	8 (203)	3/4" NPTM	5 (2.3)
PT-12	1BN002	4.4 (17)	3.2 (12)	15 (381)	11 (279)		9 (4.1)
PT-25V	1BN003	10.3 (39)	10.3 (39)	19-1/4 (489)	15-3/8 (391)		23 (10.4)
PT-30V	1BN004	14 (53)	11.3 (43)	23-7/8 (605)	15-3/8 (391)	1" NPTF	25 (11.3)
PT-42V	1BN005	20 (76)	11.3 (43)	31-5/8 (802)	15-3/8 (391)		33 (15)
PT-60V	1BN006	34 (129)	34 (129)	29-5/8 (752)	22 (559)		69 (31.2)
PT-80V	1BN007	44 (167)	34 (129)	36 (914)	22 (559)	1-1/4" NPTF	69 (31.2)
PT-180V	1BN008	62 (235)	34 (129)	46-3/4 (1187)	22 (559)		92 (41.7)
PT-210V	1BN009	86 (326)	46.4 (176)	47-1/4 (1200)	26 (660)		123 (55.8)

Materials: Steel Shell, Polypropylene Liner, Buty Diaphragm
 System Connection: Brass
 Maximum Operating Temperature = 200°F (93°C); Maximum Working Pressure = 150 PSI (1,034 kPa);
 Standard Factory Precharge = 40 PSI (276 kPa)
 Larger sizes and ASME constructed models are available.

Code approvals: PT-5, PT-12



Water Heater Volume (gallons)	Supply Pressure (PSI)							
	40	50	55	60	70	80	90	100
20								
30								
40				PT-5				
50								
80								
100								PT-25V
120				PT-12				PT-30V

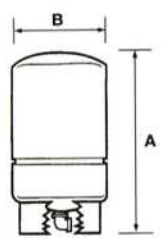
Assumptions: heating water from 50°F to 120°F, relief valve pressure 150 PSI
 PT tank precharged equal to supply line pressure, consult factory with requirements not shown

WTX Diaphragm Tanks

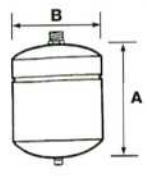
The Series "WTX" tanks will help protect the pump and pressure switches against short cycling. The potable well tank delivers adequate water under pressure between pump cycles to meet the required demand. It will provide economical system operation by minimizing pump starts, extending pump motor life, and saving energy. The "WTX" tank will also assist the pump in meeting peak demands.

Model Number	Part Number	Volume Gallons (Liters)		System Drawdown in Gallons			Height (A) Inches (mm)	Diameter (B) Inches (mm)	System Connection	Approx. Shpg. Wt. lbs. (Kg)
		Tank	Acceptance	PSIG						
				20/40	30/50	40/60				
WTX-2	1BN300	2 (8)	0.45	0.8	0.7	0.6	12-5/8 (321)	8 (203)	3/4" NPTM	5 (2.3)
WTX-5	1BN301	4.4 (17)	0.55	1.8	1.5	1.3	15 (381)	11 (279)		9 (4)
WTX-8	1BN302	7.6 (33)	0.42	3.1	2.6	2.2	22-1/4 (629)	11 (279)		15 (7)
WTX-10	1BN303	10.3 (39)	1.00	4.1	3.5	3.0	17-3/4 (451)	15-3/8 (390)	1" NPTM	20 (9)
WTX-14	1BN304	14 (53)	0.81	5.6	4.8	4.1	22 (559)	15-3/8 (390)		22 (10)
WTX-10S	1BN305	10.3 (39)	1.00	4.1	3.5	3.0	19-1/4 (489)	15-3/8 (390)		23 (10)
WTX-14S	1BN306	14 (53)	0.81	5.6	4.8	4.1	23-7/8 (605)	15-5/8 (390)	1" NPTF	25 (11)
WTX-20S	1BN307	20 (76)	0.57	8.0	6.8	5.9	31-5/8 (802)	15-3/8 (390)		33 (15)
WTX-26S	1BN308	26 (98)	0.44	10.5	8.8	7.6	38-1/4 (972)	15-3/8 (390)		36 (16)
WTX-32S	1BN309	32 (121)	0.35	—	10.9	9.4	46-1/2 (1181)	15-5/8 (390)	1-1/4" NPTM	43 (20)
WTX-34S	1BN310	34 (129)	1.00	13.7	11.6	10.0	29-5/8 (752)	22 (559)		61 (28)
WTX-44S	1BN311	44 (167)	0.77	17.7	15	12.9	36 (914)	22 (559)		69 (31)
WTX-62S	1BN312	62 (235)	0.55	24.9	21.1	18.2	46-3/4 (1187)	22 (559)	1-1/4" NPTM	92 (41)
WTX-81S	1BN313	81 (307)	0.41	32.6	27.5	23.8	56-3/8 (1432)	22 (559)		103 (47)
WTX-86S	1BN315	86 (326)	0.54	34.6	29.2	25.3	47-1/4 (1200)	26 (660)		123 (56)
WTX-119S	1BN316	119 (450)	0.39	47.8	40.5	35.0	61-7/8 (1572)	26 (660)		166 (75)

Materials: Steel Shell, Polypropylene Liner, Buty/EPDM Diaphragm
 System Connection: WTX-2 thru WTX-14 = Copper Lined Steel Fitting; All others = Steel with Stainless Steel Elbow
 Maximum Operating Temperature = 200°F (93°C); Maximum Working Pressure = 100 PSI (689 kPa);
 Factory Pre-Charge: WTX-2, WTX-5 = 18PSI (124kPa); WTX-8 = 28 PSI (193 kPa); All other WTX tanks = 38 PSI (262 kPa)



WTX-10S thru WTX-119S



WTX-2 thru WTX-14

