

Designed for Potable Well Water
and Booster Pump Systems

ASME Expansion Tanks Series "WTA" Pre-Charged Tanks

- Commercial Applications
- ASME Construction
- Minimize Pump Run Times, Extends Life of Pump
- FDA Approved Materials
- High Maximum Operating Temperatures
- 125 PSI Maximum Working Pressure
- Higher Working Pressures of 175 PSI and 250 PSI Available

Bell & Gossett



ITT Industries
Engineered for life

"WTA" Well Water Tanks (ASME Construction)

DESCRIPTION

The Series WTA expansion tank is an ASME constructed precharged vessel. The WTA tanks will help protect the pump and pressure switches against short cycling. The 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 the life of the pump motor, and saving energy. The WTA tank will also assist the pump in meeting peak demand.

WTA-401 THROUGH WTA-405 DIAPHRAGM TANKS

Maximum Working Pressure125 PSI (862kPa)
 Maximum Operating Temperature200°F (93°C)
 Materials: Polypropylene Liner, Butyl Diaphragm, Steel Shell, Malleable Iron System Connection
 Factory Precharge30 PSI (207kPa)

WTA-447 THROUGH WTA-457 BLADDER TANKS

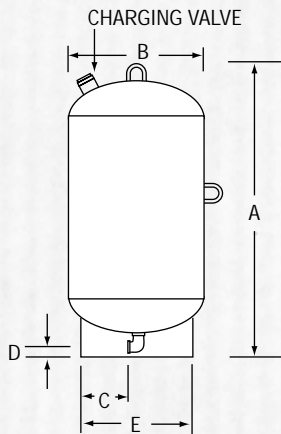
Maximum Working Pressure125 PSI (862kPa)
 Maximum Operating Temperature240°F (115°C)
 Materials: Butyl Replaceable Bladder, Steel Shell, Malleable Iron System Connection
 Factory Precharge25 PSI (172kPa)

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

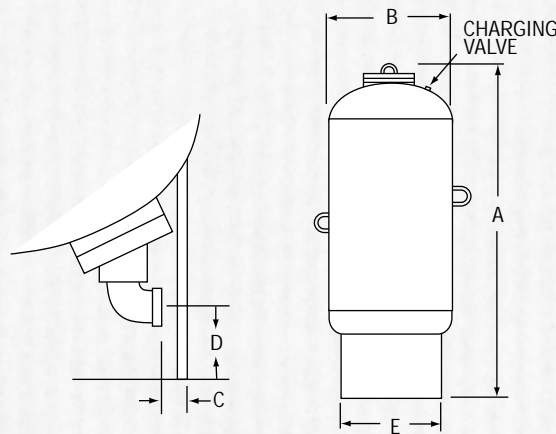
Dimensions: Gallons (Ltrs.), Inches (mm), Weights: LBS. (KG)

MODEL NUMBER	PART NUMBER	TANK VOLUME	ACCEPTANCE FACTOR	A HEIGHT	B DIAMETER	C	D	E	SYSTEM CONNECTION	APPROX. SHPG. WT.
WTA-401	1BN151	18 (68)	0.65	31 ¹ / ₄ (794)	16 ¹ / ₄ (413)	4 ⁷ / ₈ (124)	1 ¹ / ₂ (38)	12 ³ / ₄ (324)	1	95 (43)
WTA-402	1BN152	25 (95)	0.45	39 ³ / ₄ (1010)	16 ¹ / ₄ (413)	4 ⁷ / ₈ (124)	1 ¹ / ₂ (38)	12 ³ / ₄ (324)	1	112 (51)
WTA-403	1BN153	34 (129)	0.33	49 ¹ / ₄ (1251)	16 ¹ / ₄ (413)	4 ⁷ / ₈ (124)	1 ¹ / ₂ (38)	12 ³ / ₄ (324)	1	123 (56)
WTA-404	1BN154	68 (258)	0.50	47 ¹ / ₄ (1200)	24 (610)	6 ¹ / ₄ (159)	1 ⁵ / ₈ (41)	16 (406)	1 ¹ / ₄	210 (95)
WTA-405	1BN155	90 (341)	0.39	59 ¹ / ₄ (1505)	24 (610)	6 ¹ / ₄ (159)	1 ⁵ / ₈ (41)	16 (406)	1 ¹ / ₄	280 (127)
WTA-447	1BN156	53 (200)	0.65	45 ¹ / ₄ (1150)	24 (610)	2 (51)	3 ³ / ₄ (95)	19 (483)	2	263 (120)
WTA-448	1BN157	80 (300)	0.65	59 ¹ / ₈ (1502)	24 (610)	2 (51)	3 ³ / ₄ (95)	19 (483)	2	308 (140)
WTA-449	1BN158	106 (400)	0.65	73 ¹ / ₈ (1857)	24 (610)	2 (51)	3 ³ / ₄ (95)	19 (483)	2	352 (160)
WTA-450	1BN159	132 (500)	0.65	86 ⁵ / ₈ (2200)	24 (610)	2 (51)	3 ³ / ₄ (95)	19 (483)	2	392 (178)
WTA-451	1BN160	158 (600)	0.65	73 ¹ / ₄ (1867)	30 (762)	3 ¹ / ₂ (89)	5 ¹ / ₂ (140)	24 (610)	2	513 (233)
WTA-452	1BN161	211 (800)	0.65	91 (2312)	30 (762)	3 ¹ / ₂ (89)	5 ¹ / ₂ (140)	24 (610)	2	760 (345)
WTA-453	1BN162	264 (1000)	0.65	86 (2184)	36 (914)	4 ¹ / ₂ (102)	7 (178)	30 (762)	3	810 (367)
WTA-454	1BN163	317 (1200)	0.65	98 (2489)	36 (914)	4 ¹ / ₂ (102)	7 (178)	30 (762)	3	914 (415)
WTA-455	1BN164	370 (1400)	0.65	110 ³ / ₈ (2804)	36 (914)	4 ¹ / ₂ (102)	7 (178)	30 (762)	3	1018 (462)
WTA-456	1BN165	422 (1600)	0.65	81 ⁷ / ₈ (2080)	48 (1220)	7 ¹ / ₂ (191)	7 ¹ / ₈ (181)	42 (1067)	3	1655 (750)
WTA-457	1BN166	528 (2000)	0.65	97 ¹ / ₄ (2470)	48 (1220)	7 ¹ / ₂ (191)	7 ¹ / ₈ (181)	42 (1067)	3	1925 (873)

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



WTA-401 THROUGH WTA-405



WTA-447 THROUGH WTA-457



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