

Designed for Potable Well Water
and Booster Pump Systems

Non-ASME Pre-Pressurized Tanks Series "WT" Pre-Charged Tanks

- Commercial Applications
- Minimizes Pump Run Time, Extends Life of Pump
- FDA Approved Materials
- High Maximum Operating Temperatures
- High Maximum Working Pressures



“WT” Potable Well Water Tanks

DESCRIPTION

The Series “WT” expansion tank 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 “WT” tank will also assist the pump in meeting peak demand.

CONSTRUCTION

ShellSteel
 System ConnectionMalleable Iron
 WT-401 – WT-405Butyl Diaphragm, Polypropylene Liner
 WT-421 – WT-457Butyl Bladder

CONSTRUCTION (cont'd.)

Factory Precharge:
 WT-401 – WT-40530 PSIG
 WT-421 – WT-45725 PSIG

PERFORMANCE LIMITATIONS

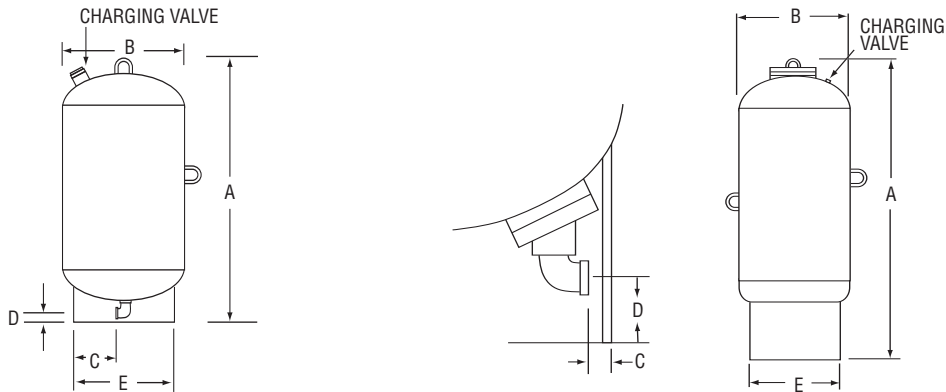
Maximum Design Pressure:
 WT-401 – WT-405150 PSIG (1035kPa)
 WT-421 – WT-427100 PSIG (689kPa)
 WT-447 – WT-457150 PSIG (1035kPa)

Maximum Design Temperature:
 WT-401 – WT-405 200°F (93°C)
 WT-421 – WT-457 240°F (116°C)

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.
WT-401	1BN101	18 (68)	0.65	31 ¹ / ₄ (794)	16 ¹ / ₄ (413)	4 (124)	1 ¹ / ₂ (38)	12 ³ / ₄ (324)	1	95 (43)
WT-402	1BN102	25 (95)	0.45	39 ³ / ₄ (1010)	16 ¹ / ₄ (413)	4 (124)	1 ¹ / ₂ (38)	12 ³ / ₄ (324)	1	112 (51)
WT-403	1BN103	34 (129)	0.33	49 ¹ / ₄ (1251)	16 ¹ / ₄ (413)	4 (124)	1 ¹ / ₂ (38)	12 ³ / ₄ (324)	1	123 (56)
WT-404	1BN104	68 (258)	0.50	47 ¹ / ₄ (1200)	24 (610)	6 ¹ / ₄ (159)	1 (41)	16 (406)	1 ¹ / ₄	210 (95)
WT-405	1BN105	90 (341)	0.39	59 ¹ / ₄ (1505)	24 (610)	6 ¹ / ₄ (159)	1 (41)	16 (406)	1 ¹ / ₄	280 (127)
WT-421	1BN106	158 (600)	0.65	74 (1895)	30 (762)	3 ¹ / ₄ (83)	4 ¹ / ₄ (108)	24 (610)	2	308 (140)
WT-422	1BN107	211 (800)	0.65	92 (2353)	30 (762)	3 ¹ / ₄ (83)	4 ¹ / ₄ (108)	24 (610)	2	431 (195)
WT-423	1BN108	264 (1000)	0.65	82 ¹ / ₂ (2086)	36 (914)	4 ¹ / ₂ (114)	5 ¹ / ₁₆ (128)	30 (762)	3	503 (229)
WT-424	1BN109	317 (1200)	0.65	94 ¹ / ₂ (2400)	36 (914)	4 ¹ / ₂ (114)	5 ¹ / ₁₆ (128)	30 (762)	3	567 (258)
WT-426	1BN110	422 (1600)	0.65	81 (2073)	48 (1220)	7 (187)	6 (156)	42 (1067)	3	906 (412)
WT-427	1BN111	528 (2000)	0.65	95 (2435)	48 (1220)	7 (187)	6 (156)	42 (1067)	3	1026 (466)
WT-447	1BN112	53 (200)	0.65	45 ¹ / ₄ (1150)	24 (610)	2 (51)	3 ³ / ₄ (95)	19 (483)	2	263 (120)
WT-448	1BN113	80 (300)	0.65	59 (1502)	24 (610)	2 (51)	3 ³ / ₄ (95)	19 (483)	2	308 (140)
WT-449	1BN114	106 (400)	0.65	73 (1857)	24 (610)	2 (51)	3 ³ / ₄ (95)	19 (483)	2	352 (160)
WT-450	1BN115	132 (500)	0.65	86 (2200)	24 (610)	2 (51)	3 ³ / ₄ (95)	19 (483)	2	392 (178)
WT-451	1BN116	158 (600)	0.65	73 ¹ / ₄ (1867)	30 (762)	3 ¹ / ₂ (89)	5 ¹ / ₂ (140)	24 (610)	2	513 (233)
WT-452	1BN117	211 (800)	0.65	91 (2312)	30 (762)	3 ¹ / ₂ (89)	5 ¹ / ₂ (140)	24 (610)	2	760 (345)
WT-453	1BN118	264 (1000)	0.65	89 (2184)	36 (914)	4 ¹ / ₂ (102)	7 (178)	30 (762)	3	810 (367)
WT-454	1BN119	317 (1200)	0.65	98 (2489)	36 (914)	4 ¹ / ₂ (102)	7 (178)	30 (762)	3	914 (415)
WT-455	1BN120	370 (1400)	0.65	110 (2804)	36 (914)	4 ¹ / ₂ (102)	7 (178)	30 (762)	3	1018 (462)
WT-456	1BN121	422 (1600)	0.65	81 (2080)	48 (1220)	7 ¹ / ₂ (191)	7 ¹ / ₈ (181)	42 (1067)	3	1655 (750)
WT-457	1BN122	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.



WT-421 THROUGH WT-457

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