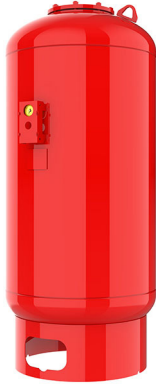


**JOB:**
**REPRESENTATIVE:**

 UNIT TAG:  
 ENGINEER:  
 CONTRACTOR:

 ORDER NUMBER:  
 SUBMITTED BY:  
 APPROVED BY:

 DATE:  
 DATE:  
 DATE:


# Series "WTA" (ASME) Hydro-Pneumatic Tanks

For potable water systems

**DESCRIPTION**

Series "WTA" hydro-pneumatic diaphragm tanks are ASME rated, pre-charged vessels. The Series "WTA" tank will help protect the pump and pressure switches against short cycling. The domestic 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 "WTA" tank will also assist the pump in meeting peak demand. All Series "WTA" tanks include an integrated bladder integrity monitor and are available with sight glass and/or seismic restraints.

**CONSTRUCTION**
**System Connection:** Carbon Steel

**Shell:** Steel

**WTA-401 - WTA-405:** Butyl Diaphragm Liner

**WTA-447 - WTA-457:** Replaceable Butyl Bladder

Designed and Constructed per ASME Section VIII, Division 1

**FACTORY PRECHARGED**
**WTA-401 - WTA-405:** 30 PSI

**WTA-447 - WTA-457:** 40 PSI

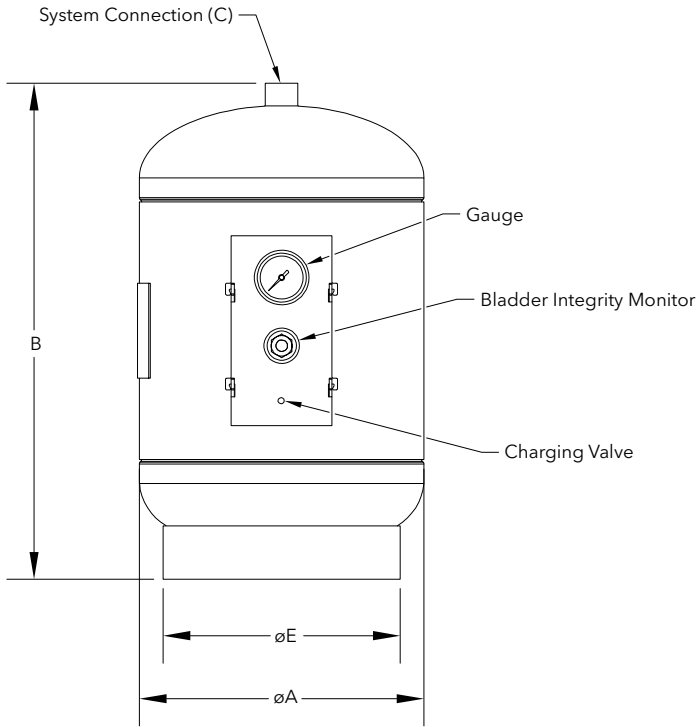
**MAXIMUM OPERATING LIMITS**
**Maximum Design Pressure:**
**WTA-401 - WTA-405:** 200 PSI (1,379 kPa)

**WTA-447 - WTA-457:** 125 PSI (1,034 kPa)

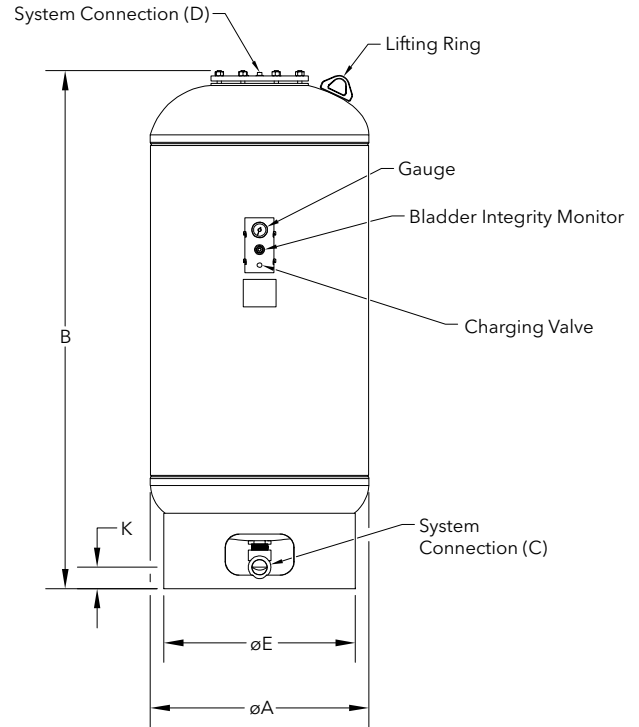
**Maximum Design Temperature:** 240°F (116°C)

**SCHEDULE**

MODEL	PART NUMBER	TANK VOLUME Gal (L)	ACCEPTANCE VOLUME Gal (L)	TAGGING INFORMATION	QUANTITY
WTA-401	1BN369LF	17 (64)	12 (45)		
WTA-402	1BN370LF	25 (95)	17.5 (66)		
WTA-403	1BN371LF	34 (129)	23.5 (89)		
WTA-404	1BN372LF	78 (295)	53 (200)		
WTA-405	1BN373LF	90 (340)	60 (227)		
WTA-447	1BN374LF	53 (200)	53 (200)		
WTA-448	1BN375LF	80 (300)	79 (300)		
WTA-449	1BN376LF	106 (400)	106 (400)		
WTA-450	1BN377LF	132 (500)	132 (500)		
WTA-451	1BN378LF	158 (600)	158 (600)		
WTA-452	1BN379LF	211 (800)	211 (800)		
WTA-453	1BN380LF	264 (1,000)	264 (1,000)		
WTA-454	1BN381LF	317 (1,200)	317 (1,200)		
WTA-455	1BN382LF	370 (1,400)	370 (1,400)		
WTA-456	1BN383LF	422 (1,600)	422 (1,600)		
WTA-457	1BN384LF	528 (2,000)	528 (2,000)		



Models WTA-401 through WTA-405



Models WTA-447 through WTA-457

**DIMENSIONS AND WEIGHTS**

Model	A in (mm)	B in (mm)	C (NPT)	D (NPT)	E in (mm)	K in (mm)	Ship Wt. lbs (kg)	Flooded Wt.* lbs (kg)
WTA-401	16 (406)	25 (635)	1	N/A	14 (356)	N/A	64 (29)	206 (93)
WTA-402	16 (406)	34 (864)	1	N/A	14 (356)	N/A	84 (38)	292 (132)
WTA-403	16 (406)	45 (1,143)	1	N/A	14 (356)	N/A	97 (44)	380 (172)
WTA-404	24 (610)	47 (1,194)	1-1/2	N/A	20 (508)	N/A	259 (118)	909 (412)
WTA-405	24 (610)	53 (1,346)	1-1/2	N/A	20 (508)	N/A	283 (129)	1,033 (469)
WTA-447	24 (610)	43 (1,092)	1-1/2	3/4	20 (508)	5.25 (133)	210 (95)	651 (295)
WTA-448	24 (610)	55 (1,397)	1-1/2	3/4	20 (508)	5.25 (133)	225 (102)	891 (404)
WTA-449	30 (762)	49 (1,245)	1-1/2	3/4	24 (610)	5.25 (133)	300 (136)	1,183 (537)
WTA-450	30 (762)	57 (1,448)	2	3/4	24 (610)	5.25 (133)	335 (152)	1,435 (651)
WTA-451	30 (762)	65 (1,651)	2	3/4	24 (610)	5.25 (133)	360 (164)	1,676 (760)
WTA-452	32 (813)	76 (1,930)	2	3/4	28 (711)	5.25 (133)	475 (216)	2,233 (1,013)
WTA-453	36 (914)	87 (2,210)	3	N/A	30 (762)	9.13 (232)	735 (334)	2,934 (1,331)
WTA-454	36 (914)	98.5 (2,510)	3	N/A	30 (762)	9.13 (232)	745 (339)	3,386 (1,536)
WTA-455	36 (914)	110.5 (2,807)	3	N/A	30 (762)	8.88 (225)	900 (409)	3,982 (1,806)
WTA-456	48 (1,219)	84 (2,134)	3	N/A	42 (1,067)	9.13 (232)	1,210 (550)	4,725 (2,143)
WTA-457	48 (1,219)	96 (2,438)	3	N/A	42 (1,067)	9.13 (232)	1,305 (593)	5,703 (2,587)

Dimensions subject to change. Not to be used for construction purposes.  
 \*Approximate weight 100% full occurs if bag fails or if air charge is lost.



Xylem Inc.  
 8200 N. Austin Avenue  
 Morton Grove, IL 60053  
 Tel: (847) 966-3700 Fax: (847) 965-8379  
 www.xylem.com/bellgossett