



# TTS -TTL Series TORO EXPANSION TANKS

Designed and constructed per ASME Code Section VIII

## SUBMITTAL DATA SHEET

MODEL NUMBER	Capacity		A		B		NPT SYSTEM CONNECTION	APPR. WEIGHT	
	Gals	Liters	ins.	mm.	ins.	mm.		lbs.	Kg.
TTS-8*	2.0	8	10.6	270	10.2	259	1"	21	9.5
TTS-19*	5.0	19	10.6	270	19.3	490	1"	32	14.5
TTS-30*	8.0	30	15.8	400	15.3	389	1"	41	18.6
TTS-45	12.0	45	15.8	400	22.4	569	1"	52	23.6
TTS-80	21.0	80	15.8	400	34.9	886	1"	78	35.4
TTS-100	26.5	100	19.7	500	37.3	947	1"	83	37.6
TTS-140	37.0	140	19.7	500	43.3	1100	1 1/4"	114	51.7
TTL-170	44.0	170	19.7	500	48.7	1,237	1 1/4"	160	72.6
TTL-200	57.0	200	21.7	550	47.2	1,199	1 1/4"	170	77.1
TTL-300	80.0	300	25.6	650	49.0	1,245	1 1/4"	215	97.5
TTL-400	105.0	400	25.6	650	59.0	1,471	1 1/4"	248	112.5
TTL-450	120.0	450	25.6	750	69.1	1,417	1 1/4"	283	128.4
TTL-500	132.0	500	25.6	750	75.0	1,527	1 1/4"	341	154.7
TTL-600	160.0	600	29.5	750	85.0	2,256	2"	391	177.4
TTL-800	210.0	800	29.5	750	90.6	2,324	2"	531	240.9
TTL-1000	265.0	1,000	31.5	800	94.1	2,426	2"	561	254.5
TTL-1200	320.0	1,200	35.5	900	100.6	2,555	2"	960	435.4
TTL-1400	370.0	1,400	37.5	950	102.4	2,601	2"	1,040	471.7
TTL-1600	420.0	1,600	41.5	1,050	99.2	2,520	2"	1,183	536.6
TTL-2000	530.0	2,000	43.5	1,105	113.5	2,883	3"	1,318	597.8
TTL-3000	790.0	3,000	51.2	1,300	118.2	3,002	3"	1,865	845.9
TTL-4000	1,060.0	4,000	61.0	1,550	123.0	3,124	3"	2,616	1,186.6
TTL-5000	1,320.0	5,000	63.0	1,600	132.0	3,353	3"	2,892	1,311.8

<b>SPECIFICATIONS</b>
Maximum working pressure 150 PSI (10.5 kg/cm <sup>2</sup> )
Maximum operating temp. 240°F (115°C)

Tanks are built in accordance with ASME Section VIII, Division I. Seamless one piece butyl bladder for longer life.

Acceptance volume stated tank capacity. is 90% of Epoxy gray finish exterior.

Factory precharge 12 psig (.84 kgf/cm <sup>2</sup> )
System connection: Malleable iron All Units Are Bottom Connections <b>LARGER CONNECTION AVAILABLE*</b>

\*in-line models no base included

ALL UNITS SUITABLE FOR HORIZONTAL INSTALLATIONS

Job Name
Location
Engineer
Contractor
1 Contractor P.O. Number

Sales representative	
Model number ordered	Qty:
System operating temperature Min.	max.
Date submitted	

Dimensional data and weights are approximate Rev. 42024

**SERIES**

**TTS**

DIAMETER-A



OVERALL HEIGHT

B

DIAMETER-A



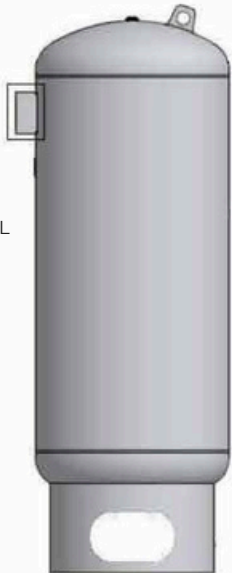
AIR CHARGING VALVE



NPT SYSTEM CONNECTION

8-45 LITER CAPACITY

DIAMETER-A



OVERALL HEIGHT

B

DIAMETER-A



B

BLADDER SUPPORT BULKHEAD ASSEMBLY



TANK TOP SIDE



FEMALE NPT SYSTEM CONNECTION  
BOTTOM COVER PLATE



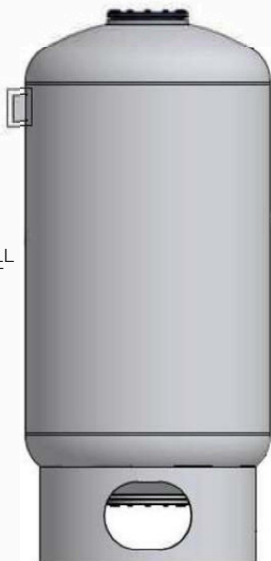
PRESSURE GAUGE  
AIR CHARGING VALVE

21-2000 LITER CAPACITY

**SERIES**

**TTS/TTL**

DIAMETER-A



OVERALL HEIGHT

B

DIAMETER-A



B

TOP DOME COVER PLATE



FEMALE NPT SYSTEM CONNECTION  
BOTTOM COVER PLATE



PRESSURE GAUGE  
AIRCHARGINGVALVE

3000-5000 LITER CAPACITY

**SERIES**

**TTL**