

Domestic Hot water Expansion Tanks

TTA Series

Wessels TTA series ASME
Fixed Diaphragm Tank For
Expansion Pressure Control With
WessView and Pressure Gauge
Optional: WessGuard Upgrade

APPLICATIONS

Open-System

Potable

Water Heating

Fresh Hot Water

R/O Water



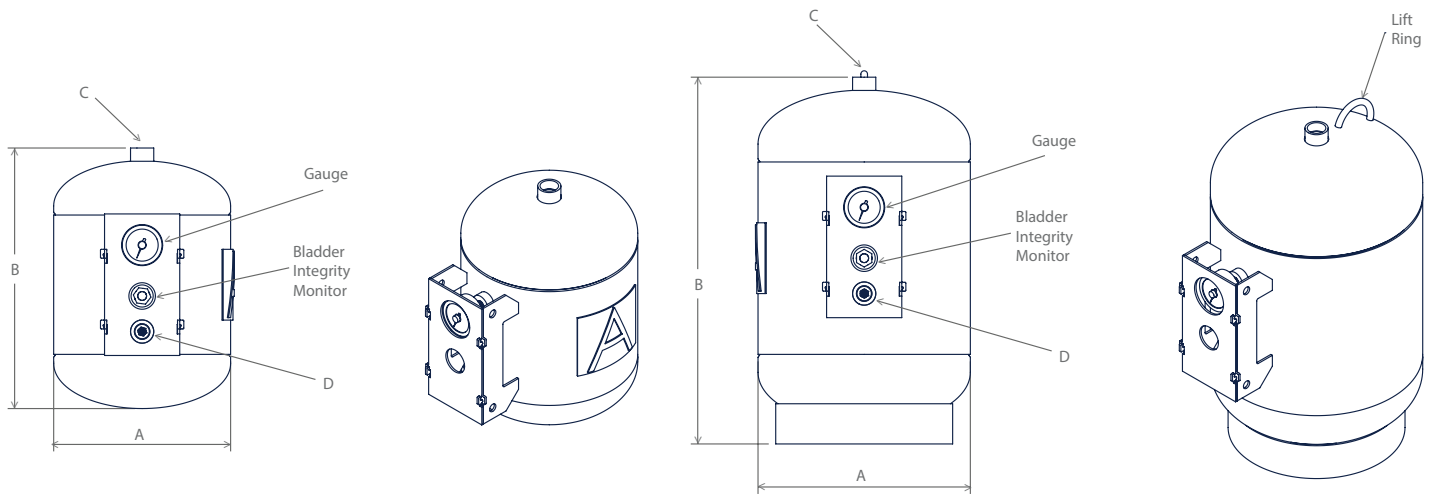
Wessels TTA vessels are ASME fixed diaphragm type pre-charged, expansion tanks. They are designed to absorb the expansion volumes and control the pressure in potable water heating system. TTA vessels feature the industry's highest acceptance reservoir volume. The system's expanded water is contained in a fixed heavy-duty butyl bladder that prevents tank corrosion and waterlogging problems. All TTA expansion tanks can be installed vertically or horizontally.

NEXT LEVEL INTELLIGENCE

- Pressure gauge integrated
- WessView® bladder integrity monitor included
- WessGuard® proximity sensor port adaptable
- Easy-access air valve
- Tamper-resistant secure guard mount
- Designed and fabricated in accordance with ASME Boiler & Pressure vessel code
- Standard design pressure is 150 psi (8.6 bar)
- Available in carbon steel, 304 or 316L stainless steel
- Factory pre-charge pressure set to high 40 psi and field adjustable
- Separation of water and air with bladder
- Higher pressure ratings available
- Wessels Company Patented Design US 8,633,825 B2



SINCE 1908
wessels
company



TTA-5 & TTA-12

TTA-20 TO TTA-210

MODEL	DIMENSIONS (in.)					APPROX. WEIGHT (lbs)
	A	B	SYSTEM CONNECTION	CHARGING VALVE	E	
			C	D		
TTA-5	10	14	3/4	0.302" - 32NC	-	22
TTA-12	12	14	3/4	0.302" - 32NC	-	28
TTA-20	12	20	3/4	0.302" - 32NC	10	34
TTA-30	16	24	1	0.302" - 32NC	14	50
TTA-42	16	31	1	0.302" - 32NC	14	57
TTA-60	16	34	1	0.302" - 32NC	14	62
TTA-80	16	45	1	0.302" - 32NC	14	80
TTA-100	20	39	1	0.302" - 32NC	18	110
TTA-125	20	50	1	0.302" - 32NC	18	134
TTA-160	24	47	1 1/2	0.302" - 32NC	22	177
TTA-180	24	50	1 1/2	0.302" - 32NC	22	184
TTA-210	24	53	1 1/2	0.302" - 32NC	22	193

Note:

- Tanks are factory pre-charged at 40 psi and field adjustable.
- California code-sight glass is available upon request.
- Lift ring on models TTA-20 thru TTA-210
- Available with mounting clips.

TYPICAL SPECIFICATION

Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" (high) pre-charged steel domestic hot water expansion tank with a fixed FDA heavy-duty butyl diaphragm. The tank shall be equipped with a NPT stainless steel system connection and a 0.302"-32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements. The tank must be constructed in accordance with most recent addendum of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code, and rated for 150 psi working pressure. Products comply with NSF/ANSI Standard 61.

Each tank shall be Wessels model number TXA-_____ or approved equal.

UPGRADE TO SMART WESSGUARD® TANK PROTECTION

Wessels Type TTA-WG Smart Tanks are ASME fixed bladder type pre-charged, expansion tanks, with patented WessGuard® bladder monitor. They are designed to absorb the expansion forces and control the pressure in heating/cooling systems and come equipped with a uniquely designed capacitive sensor that is sensitive to any movement inside the tank.

The system's expanded water is contained in a heavy-duty bladder preventing tank corrosion and waterlogging problems. If the bladder extends beyond the normal movement, WessGuard® monitor will activate an audible LED alarm and energy management system to notify maintenance staff of a potential system issue.

