

HVAC Fixed Diaphragm Expansion Tank

NTA Series

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

APPLICATIONS

Closed-loop
Non-Potable
HVAC
Hydronic Heating
Heat Transfer
Water
Glycol



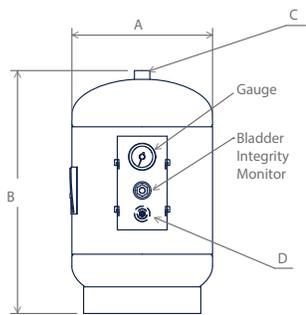
Wessels NTA vessels are ASME fixed diaphragm type pre-charged, expansion tanks. They are designed to absorb the expansion volumes and control the pressure in heating/cooling systems. NTA vessels feature the industry's highest acceptance reservoir volume. The system's expanded water (fully compatible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

NEXT LEVEL INTELLIGENCE

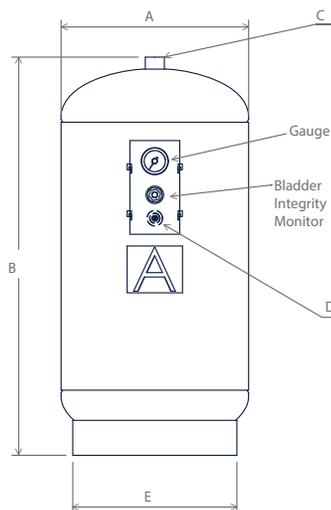
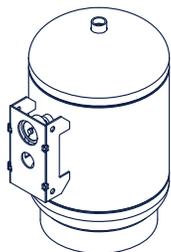
- Pressure gauge integrated
- WessView® bladder integrity monitor included
- WessGuard® proximity sensor port adaptable
- Easy-access air valve
- Tamper-resistant secure guard mount
- Designed and fabricated in accordance with ASME Boiler & Pressure vessel code
- Standard design pressure is 125 psi (8.6 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
- Higher pressure ratings available
- Wessels Company Patented Design US 8,633,825 B2



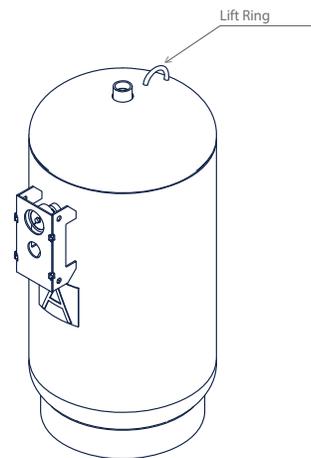
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NTA 15 & NTA 20



NTA 40 thru NTA 280



MODEL	DIMENSIONS (in.)					MAXIMUM DESIGN PRESSURE	SHIPPING WEIGHT (lbs)
	A	B	SYSTEM CONNECTION	CHARGING VALVE	E		
			C	D			
NTA-15	12	19	3/4	0.302" - 32NC	-	150 PSIG	42
NTA-20	12	25	3/4	0.302" - 32NC	-	150 PSIG	52
NTA-40	16	33	1	0.302" - 32NC	14	150 PSIG	84
NTA-60	16	44	1	0.302" - 32NC	14	150 PSIG	97
NTA-80	20	38	1	0.302" - 32NC	18	125 PSIG	148
NTA-100	20	49	1	0.302" - 32NC	18	125 PSIG	175
NTA-120	24	46	1 1/2	0.302" - 32NC	22	125 PSIG	259
NTA-144	24	49	1 1/2	0.302" - 32NC	22	125 PSIG	268
NTA-180	24	52	1 1/2	0.302" - 32NC	22	125 PSIG	283
NTA-200	24	66	1 1/2	0.302" - 32NC	22	125 PSIG	325
NTA-240	24	78	1 1/2	0.302" - 32NC	22	125 PSIG	362
NTA-260	30	63	1 1/2	0.302" - 32NC	24	125 PSIG	591
NTA-280	30	81	1 1/2	0.302" - 32NC	24	125 PSIG	752

- Pre-charge set to 40 PSI and field adjustable
- California code-sight glass is available upon request
- Connection accesses the bladder
- Available with mounting clips

TYPICAL SPECIFICATION

Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" (high) pre-charged steel expansion tank with heavy-duty butyl bladder. The tank shall have multiple water-side connections to promote full-flow to eliminate stagnate water within the tank, a 0.302"-32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements, a pressure gauge, and WessView® bladder integrity monitor. The tank must contain a port for WessGuard® proximity sensor monitor. The tank must be constructed in accordance with most recent addendum of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code.

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

UPGRADE TO SMART WESSGUARD® TANK PROTECTION

Wessels Type NTA-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 (fully compatible with water/glycol mixtures) 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.



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