



SINCE 1908
wessels
 company

SUBMITTAL

NTA-SERIES

HYDRONIC EXPANSION TANKS

Models: NTA-15 thru NTA-280

Submittal Sheet No. A-1004B

Date: 10/12

Job Name _____	Submitted By _____	Date _____
Location _____	Approved By _____	Date _____
_____	Order No. _____	Date _____
Engineer _____	Notes _____	
Contractor _____		
Sales Rep. _____		

Description

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

Construction

Shell: Carbon Steel
 Bladder: Heavy Duty Butyl
 System Connection: Carbon Steel

Performance Limitations

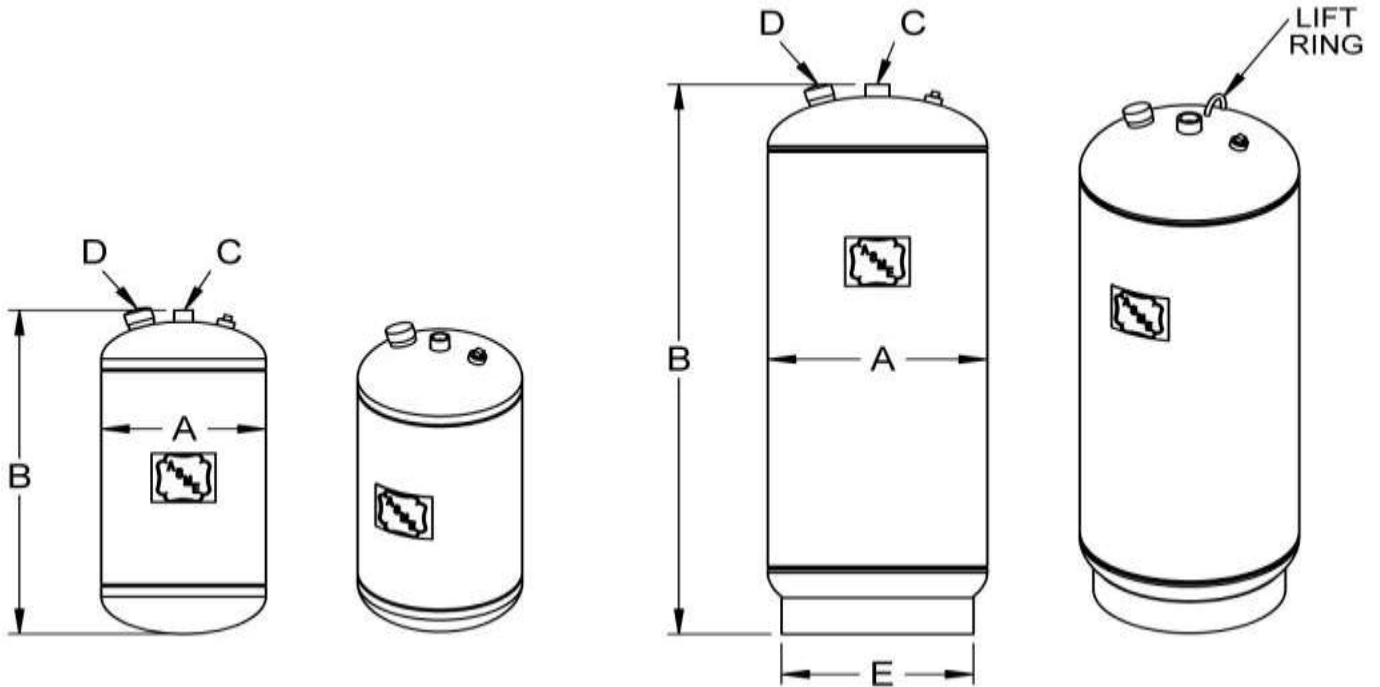
Maximum Design Temperature: 240°F
 Maximum Design Pressure: 125 PSIG*
 NTA 15 thru NTA 60: 150 PSIG*
 NTA 80 thru NTA 280: 125 PSIG*
 *200 & 250 PSIG available

Model Number	Part Number	Tank Volume (Gallons)	Acceptance Volume (Gallons)	Tagging Information	Quantity
NTA-15	19010015	7.8	6.3		
NTA-20	19010020	10.9	8.8		
NTA-40	19010040	25	20.2		
NTA-60	19010060	35	28		
NTA-80	19010080	45	36		
NTA-100	19010100	60	48.5		
NTA-120	19010120	70	56.5		
NTA-144	19010144	80	65		
NTA-180	19010180	90	73		
NTA-200	19010200	115	93		
NTA-240	19010240	140	113.5		
NTA-260	19010260	158	128		
NTA-280	19010280	211	171		

Typical Specification

Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" (high) pre-charged steel expansion tank with a fixed heavy-duty butyl diaphragm. The tank shall be equipped with a NPT 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.

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



NTA 15 & NTA 20

NTA 40 thru NTA 280

Dimensions & Weights

Model Number	Dimensions in Inches					Approx. Ship Weight (lbs)		
	A	B	System Connection	Charging Valve	E			
			C	D				
NTA-15	12	19	3/4	0.302" -32NC	-	42		
NTA-20		25				52		
NTA-40	16	34	1		14	84		
NTA-60		45				97		
NTA-80	20	39			1 1/2	18	148	
NTA-100		50					175	
NTA-120	24	47				1 1/2	22	259
NTA-144		50						268
NTA-180		53	283					
NTA-200		67	325					
NTA-240	30	79	1 1/2		24	362		
NTA-260		64				591		
NTA-280		82		752				

Notes

- Tanks are factory pre-charged at 12 psi and field adjustable.
- California code-sight glass is available upon request.
- Available with mounting clips.