



SINCE 1908  
**wessels**  
 company

**SUBMITTAL**

**NTA-SERIES**

HYDRONIC EXPANSION TANKS

Models: NTA-15 thru NTA-280

Submittal Sheet No. A-1004C

Date: 4/16

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

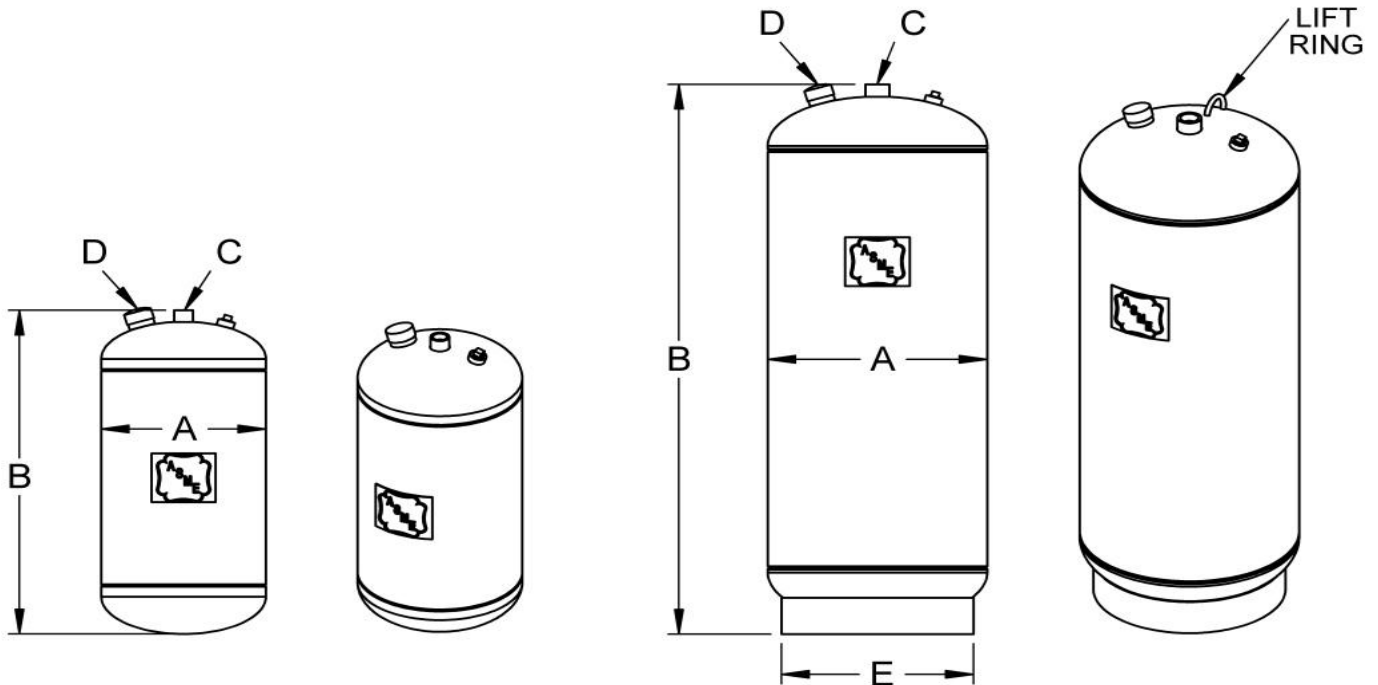
Model Number	Part Number	Tank Volume (Gallons)	Acceptance Volume (Gallons)	Tagging Information	Quantity
NTA-15	29010015	7.8	6.3		
NTA-20	29010020	11	8.8		
NTA-40	29010040	25	20.2		
NTA-60	29010060	35	28		
NTA-80	29010080	45	36		
NTA-100	29010100	60	48.5		
NTA-120	29010120	70	56.5		
NTA-144	29010144	80	65		
NTA-180	29010180	90	73		
NTA-200	29010200	115	93		
NTA-240	29010240	140	113.5		
NTA-260	29010260	158	128		
NTA-280	29010280	211	171		

**Typical Specification**

Furnish and install, as shown on plans, a \_\_\_\_\_ gallon \_\_\_\_\_" diameter X \_\_\_\_\_" (high) pre-charged 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.

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NTA 15 &amp; 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	33	1		14	84	
NTA-60		44				97	
NTA-80		38				148	
NTA-100	20	49	1 1/2		18	175	
NTA-120	24	46				22	259
NTA-144		49					268
NTA-180		52					283
NTA-200		66					325
NTA-240	30	78	24	362			
NTA-260		63		591			
NTA-280		81		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.