

SINCE 1908  
**wessels**  
 company

**SUBMITTAL**

**TYPE:** NLA ASME PRE-CHARGED  
 EXPANSION TANKS

**MODELS:** NLA 1000 TO NLA 15000  
 Submittal Sheet No. N-3371

Date **6/02**

JOB _____	Wessels Representative _____	
Unit Tag No. _____	Order No. _____	Date _____
Engineer _____	Submitted By _____	Date _____
Contractor _____	Approved By _____	Date _____

**DESCRIPTION**

Wessels Type NLA Tanks are ASME removable diaphragm type pre-charged expansion tanks. They are designed to absorb the expansion forces and control the pressure in heating/cooling systems. The water is contained in the heavy duty diaphragm preventing tank corrosion and waterlogging problems. NLA expansion tanks reduce tank sizes up to 80%.

**CONSTRUCTION**

Shell: Carbon steel  
 Diaphragm: Heavy duty butyl

**PERFORMANCE LIMITATIONS**

Maximum Design Pressure: 125 PSIG\*  
 Maximum Design Temperature: 240°F

PSIG available

**SCHEDULE**

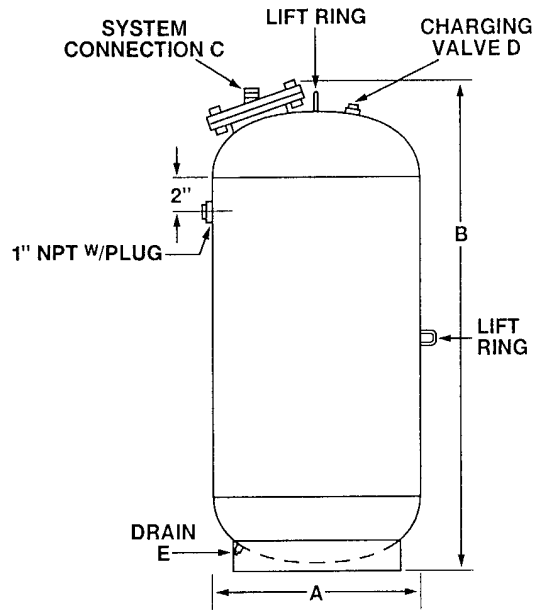
Model Number	Tank & Acceptance Volume Gallons	Tagging Information	Quantity
NLA 1000	264		
NLA 1200	317		
NLA 1400	370		
NLA 1600	422		
NLA 2000	528		
NLA 2500	660		
NLA 3000L	792		
NLA 3000S	792		
NLA 4000	1056		
NLA 5000	1320		
NLA 7500	1980		
NLA 10000	2640		
NLA 15000	3963		

**TYPICAL SPECIFICATIONS**

Furnish and install as shown on plans a \_\_\_\_\_ gallon \_\_\_\_\_ " diameter X \_\_\_\_\_ " (high) pre-charged steel expansion tank with a replaceable heavy duty butyl diaphragm. The tank shall have a top NPT system connection, NPT drain, and a .302" - 32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements. The tank shall be fitted with lifting rings and a floor mounting skirt for vertical installation. The tank must be constructed in accordance with Section VIII of the ASME Boiler and Pressure Vessel Code and stamped 125 PSI working pressure.

Each tank shall be Wessels model number NLA \_\_\_\_\_ or approved equal.

**ASME EXPANSION TANKS - PRESSURIZED**



**DIMENSIONS & WEIGHTS**

Model Number	Part Number	Dimensions in Inches					Approx. Ship Wt. (lbs)
		A	B	System Connections			
				C	D	E	
NLA 1000	22011000	36	74	1 1/2	0.302 -32NC	3/4	710
NLA 1200	22011200		86				720
NLA 1400	22011400		99				875
NLA 1600	22011600	48	72	2	0.302 -32NC	1	1100
NLA 2000	22012000		85				1280
NLA 2500	22012500		102				1435
NLA 3000L	22013000	60	122	3	0.302 -32NC	1	1550
NLA 3000S	22013001		80				2169
NLA 4000	22014000		102				2638
NLA 5000	22015000	72	125	3	0.302 -32NC	1	3246
NLA 7500	22017500		127				4005
NLA 10000	22019999		159				4845
NLA 15000	22010000		233				5925

**Note:** Tanks are factory pre-charged at 12 psi and field adjustable.  
California code-sight glass available on request.

**Note:** Tanks can be installed in the horizontal position with the system connection located below the horizontal centerline of the tank.



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