



SINCE 1908  
**wessels**  
 company

SUBMITTAL

**NLA-SERIES with WessGuard®**

HYDRONIC EXPANSION TANKS

Models: NLA-1000-WG thru NLA-15000-WG

Submittal Sheet No. A-1007B

Date: 4/16

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

**Description**

Wessels NLA Tanks are ASME removable bladder type pre-charged expansion tanks with WessGuard® bladder monitor. They are designed to absorb the expansion forces and control the pressure in heating/cooling systems. If the system creates a condition to extend the bladder beyond the normal movement, WessGuard monitor will activate an audible and LED alarm to notify maintenance staff of this potential systems issue. The system's expanded water (fully compatible with water/glycol mixtures) is contained in a full acceptance heavy-duty butyl bladder that prevents tank corrosion and waterlogging problems.

**Construction**

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

**Performance Limitations**

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

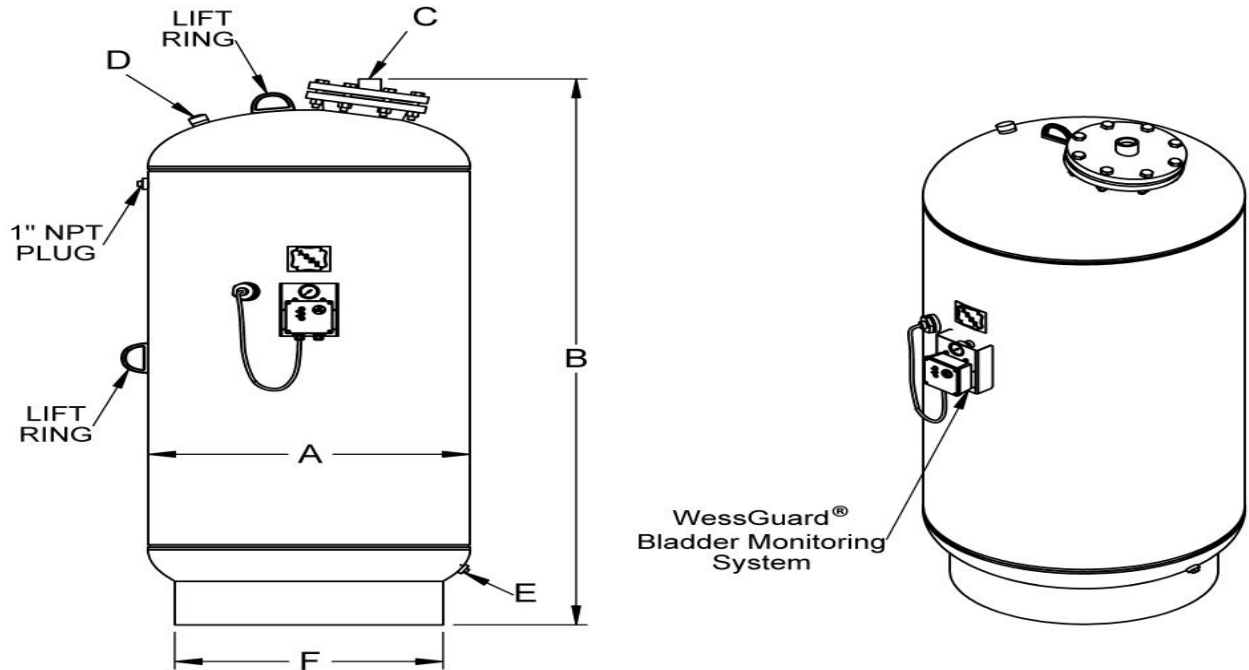
\*200 & 250 PSIG available

Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
NLA-1000-WG	62011000	264		
NLA-1200-WG	62011200	317		
NLA-1400-WG	62011400	370		
NLA-1600-WG	62011600	422		
NLA-2000-WG	62012000	528		
NLA-2500-WG	62012500	660		
NLA-3000L-WG	62013000	792		
NLA-3000S-WG	62013001	792		
NLA-4000-WG	62014000	1056		
NLA-5000-WG	62015000	1320		
NLA-7500-WG	62017500	1980		
NLA-10000-WG	62019999	2640		
NLA-15000-WG	62010000	3963		

**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 capacitive sensor bladder monitor with visual and audible alarm that activates based on excessive bladder movement. The tank shall have NPT system connections 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 SMART TANK SERIES™ NLA-\_\_\_\_\_-WG or approved equal.



NLA-1000-WG thru NLA-15000-WG

**Dimensions & Weights**

Model Number	Dimensions in Inches						Approx. Ship Wt. (lbs)
	A	B	System Connection	Charging Valve	Drain	F	
			C	D	E		
NLA-1000-WG	36	75	1 1/2	0.302" - 32NC	3/4	30	710
NLA-1200-WG		87					720
NLA-1400-WG		99					875
NLA-1600-WG	48	74	42			1100	
NLA-2000-WG		87				1280	
NLA-2500-WG		102				1435	
NLA-3000L-WG	60	122	2		54	1550	
NLA-3000S-WG		80				2169	
NLA-4000-WG		102				2638	
NLA-5000-WG	72	125	3		1	66	3246
NLA-7500-WG		127		4005			
NLA-10000-WG		163		4845			
NLA-15000-WG		233				5925	

**Notes**

- Tanks are factory pre-charged at 12 psi and field adjustable.
- California code-sight glass is available upon request.
- Available with mounting clips.
- The alarm must be located above the sensor for horizontal installation.