

SINCE 1908
wessels
 company

SUBMITTAL

NLA-SERIES with WessGuard®

HYDRONIC EXPANSION TANKS

Models: NLA-35-WG thru NLA- 800L-WG

Submittal Sheet No. A-1006A

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*

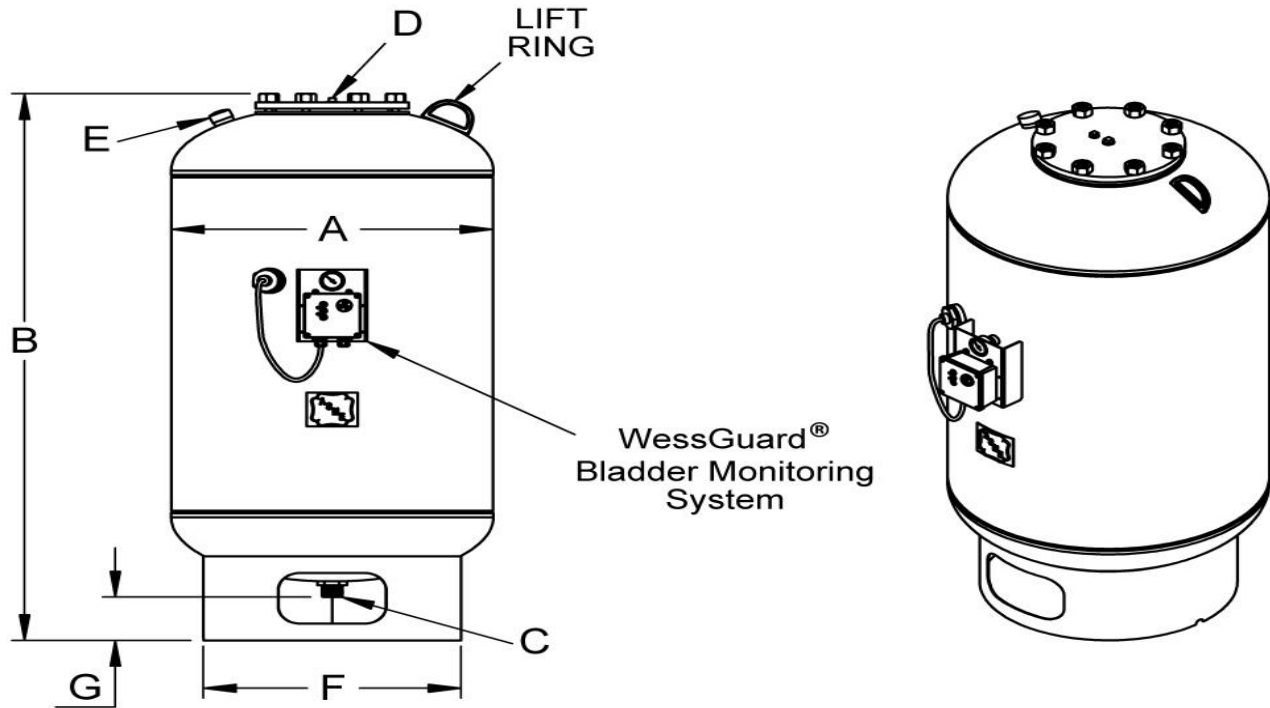
*200 & 250 PSIG available

Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
NLA-35-WG	62010035	10		
NLA-50-WG	62010050	13		
NLA-85-WG	62010085	23		
NLA-130-WG	62010130	35		
NLA-200-WG	62010200	53		
NLA-300-WG	62010300	79		
NLA-400-WG	62010400	106		
NLA-500-WG	62010500	132		
NLA-600-WG	62010600	158		
NLA-800L-WG	62010805	211		

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-85-WG thru NLA-800L-WG

Dimensions & Weights

Model Number	Dimensions in Inches							Approx. Ship Wt. (lbs)
	A	B	System Connection		Charging Valve	F	G	
			C	D	E			
NLA-35-WG	12	23 1/2	3/4	-	0.302" - 32NC	10	-	40
NLA-50-WG	14	24		-		10	-	50
NLA-85-WG	16	37	1	1/2		12	5 1/2	90
NLA-130-WG	20					16		125
NLA-200-WG	24	43	1 1/2	3/4		20	5 1/4	210
NLA-300-WG		55						225
NLA-400-WG	30	49	1 1/2	3/4		24	5 1/4	300
NLA-500-WG		57						335
NLA-600-WG		65						360
NLA-800L-WG	32	76				28		475

Notes

- Tanks are factory pre-charged at 12 psi and field adjustable.
- California code-sight glass is available upon request.
- Models NLA-85-WG thru NLA-800L-WG, both top and bottom connection (C and D) access the bladder.
- Available with mounting clips.
- The alarm must be located above the sensor for horizontal installation.