

SINCE 1908
wessels
 company

SUBMITTAL

NLA-SERIES
 HVAC EXPANSION TANKS

Models: NLA-1000 to NLA-15000

Submittal Sheet No. A-1011B Rev. 5 7/18/2019

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

Description:

Wessels patented NLA Tanks are ASME removable bladder type pre-charged HVAC 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 a full acceptance heavy-duty butyl bladder that prevents tank corrosion and waterlogging problems. All NLA expansion tanks can be installed vertically or horizontally.

Construction:

Shell: Carbon Steel
 Heads: Carbon Steel
 Exterior: Carbocoat 140 - Harvester Red
 Interior: Heavy Duty Butyl Bladder

Design Parameters:

Maximum Design Pressure: 125 PSIG*
 Temperature Range: -20°F to 240°F

*150 PSIG and up are available

Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
NLA-1000	22011000	264		
NLA-1200	22011200	317		
NLA-1400	22011400	370		
NLA-1600	22011600	422		
NLA-2000	22012000	528		
NLA-2500	22012500	660		
NLA-3000L	22013000	792		
NLA-3000S	22013001	792		
NLA-4000	22014000	1056		
NLA-5000	22015000	1320		
NLA-7500	22017500	1980		
NLA-10000	22019999	2640		
NLA-15000	22019998	3963		

Typical Specification

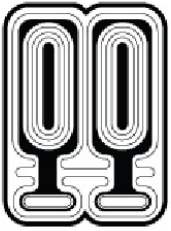
Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" (high) pre-charged steel HVAC expansion tank with heavy-duty butyl bladder. The tank shall have an NPT water side system connection, a 0.302"-32 charging valve connection (standard fire valve) to facilitate the on-site charging of the tank to meet system requirements, a pressure gauge, and bladder integrity monitor. The tank must be constructed in accordance with the most recent addendum of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code and rated for 125 psig.

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



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101 Tank Street Greenwood, IN 46143
 P: 317-888-9800 F: 317-865-7411
 www.westank.com



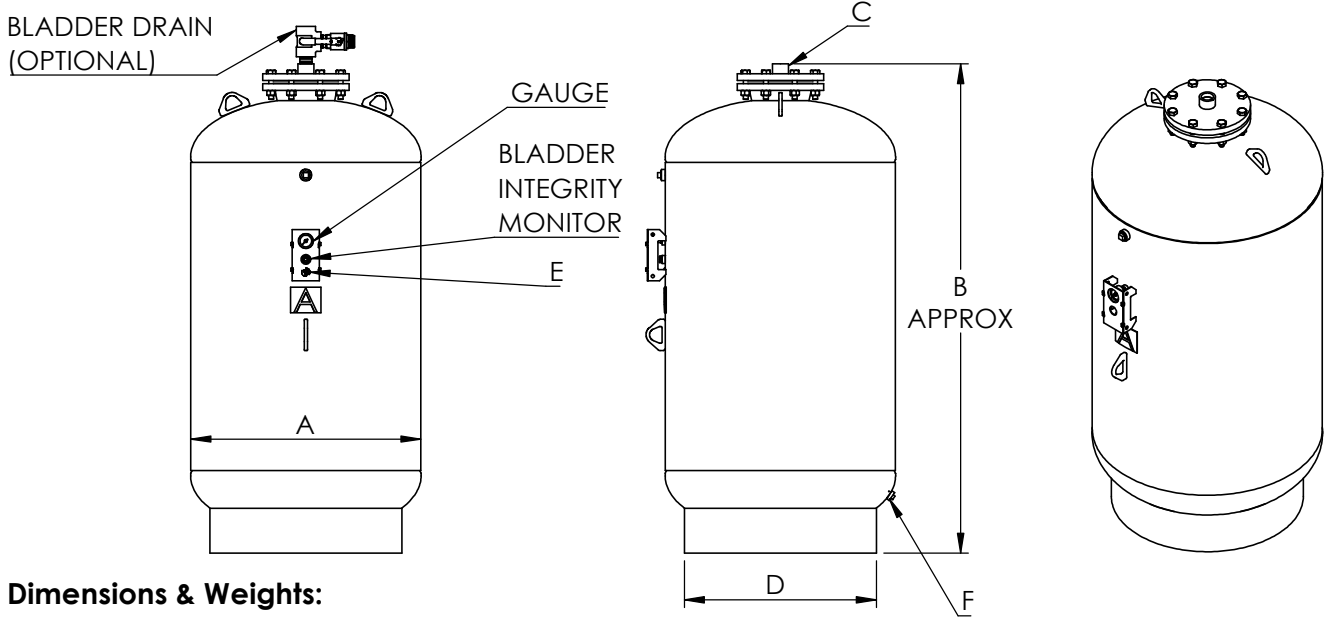
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Dimensions & Weights:

Model Number	Dimensions in Inches						Approx. Shipping Weight (lbs)
	A	B	System Connection	D	Charging Valve	Plug	
			C		E	F	
NLA-1000	36	76	1 1/2 NPT	30	0.302"-32NC	3/4 NPT	552
NLA-1200		88					679
NLA-1400		100					688
NLA-1600	48	74		42			1046
NLA-2000		86					1150
NLA-2500		104					1444
NLA-3000L	60	124	2 NPT	54		1658	
NLA-3000S		83				1868	
NLA-4000		105				2238	
NLA-5000	72	128	3 NPT	66		1 NPT	2617
NLA-7500		131					3768
NLA-10000		162					4628
NLA-15000		233				5925	

Notes:

- Tanks are factory pre-charged at 40 psig and field adjustable.
- California code-sight glass is available upon request.
- Mounting clips are available upon request.
- Bladder drain is available upon request.
- Tanks installed horizontally must have the system connection below the horizontal centerline of the tank.
- Plug (F) is on the air side of the tank. Do not remove.
- U.S. Patent No. 8,633,825 B2.



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