

SINCE 1908
wessels
company

SUBMITTAL

SS-NLA-SERIES

HVAC EXPANSION TANKS

Models: SS-NLA-1000 to SS-NLA-15000

Submittal Sheet No. H-1006A Rev. 0 08/20/2026

Job Name _____
Location _____

Engineer _____
Contractor _____
Sales Rep. _____

Submitted By _____ Date _____
Approved By _____ Date _____
Order No. _____ Date _____
Notes _____

Description:

Wessels patented SS-NLA tanks are ASME removeable bladder type pre-charged stainless steel HVAC expansion tanks. They are designed to absorb the expansion forces and control the pressure in heating/cooling data center hyperscale and severe service systems. The system's expanded water (fully compatible with water/glycol mixtures) is contained in a full acceptance heavy-duty butyl bladder to prevent waterlogging. The 304/316L stainless steel construction ensures superior corrosion resistance, durability, and long-term reliability for critical components. All NLA expansion tanks can be installed vertically or horizontally

Construction:

Shell: Stainless Steel (304 or 316)
Heads: Stainless Steel (304 or 316)
Exterior: Standard Mill Finish
Bladder: Butyl Rubber

Design Parameters:

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

*150, 200 & 250 PSIG Available

** 280°F High-Temp Bladder Available

Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
SS-NLA-1000	26011002	264		
SS-NLA-1200	26011200	317		
SS-NLA-1400	26011401	370		
SS-NLA-1600	26011602	422		
SS-NLA-2000	26012001	528		
SS-NLA-2500	26012501	660		
SS-NLA-3000L	26013000	792		
SS-NLA-3000S	26013001	792		
SS-NLA-4000	26014000	1056		
SS-NLA-5000	26015000	1320		
SS-NLA-7500	26017501	1980		
SS-NLA-10000	26019999	2640		
SS-NLA-15000	26019998	3963		

Typical Specification

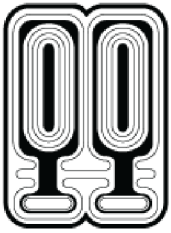
Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" (high) pre-charged steel HVAC expansion tank with heavy-duty butyl bladder. The tank shall have an NPT water side system connection, a 0.302"-32 charging valve connection (standard fire valve) to facilitate the on-site charging 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 SS-NLA-_____ or approved equal.



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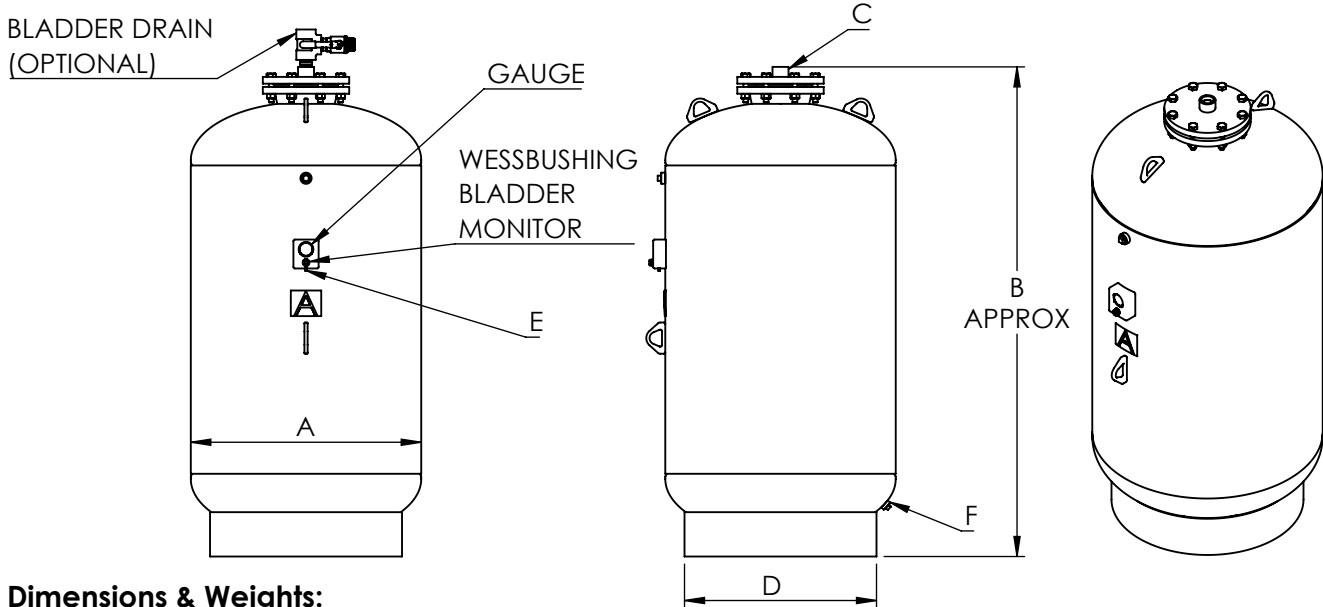
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Dimensions & Weights:

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