

SINCE 1908
wessels
company

SUBMITTAL

SS-NLA-SERIES

HVAC EXPANSION TANKS

Models: SS-NLA-35 to SS-NLA-800L

Submittal Sheet No. H-1005D Rev. 4 08/19/2026

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: Heavy-Duty Butyl

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-35	26121038	10		
SS-NLA-50	26020039	13		
SS-NLA-85	26010089	23		
SS-NLA-130	26010133	35		
SS-NLA-200	26010204	53		
SS-NLA-300	26010303	79		
SS-NLA-400	26010403	106		
SS-NLA-500	26010502	132		
SS-NLA-600	26121600	158		
SS-NLA-800L	26010801	211		

Typical Specification

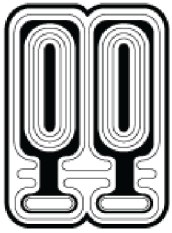
Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" (high) pre-charged stainless steel HVAC expansion tank with heavy-duty butyl bladder. The tank shall have multiple water-side connections to eliminate stagnate water within the tank, a 0.302"-32 charging valve connection (standard tire 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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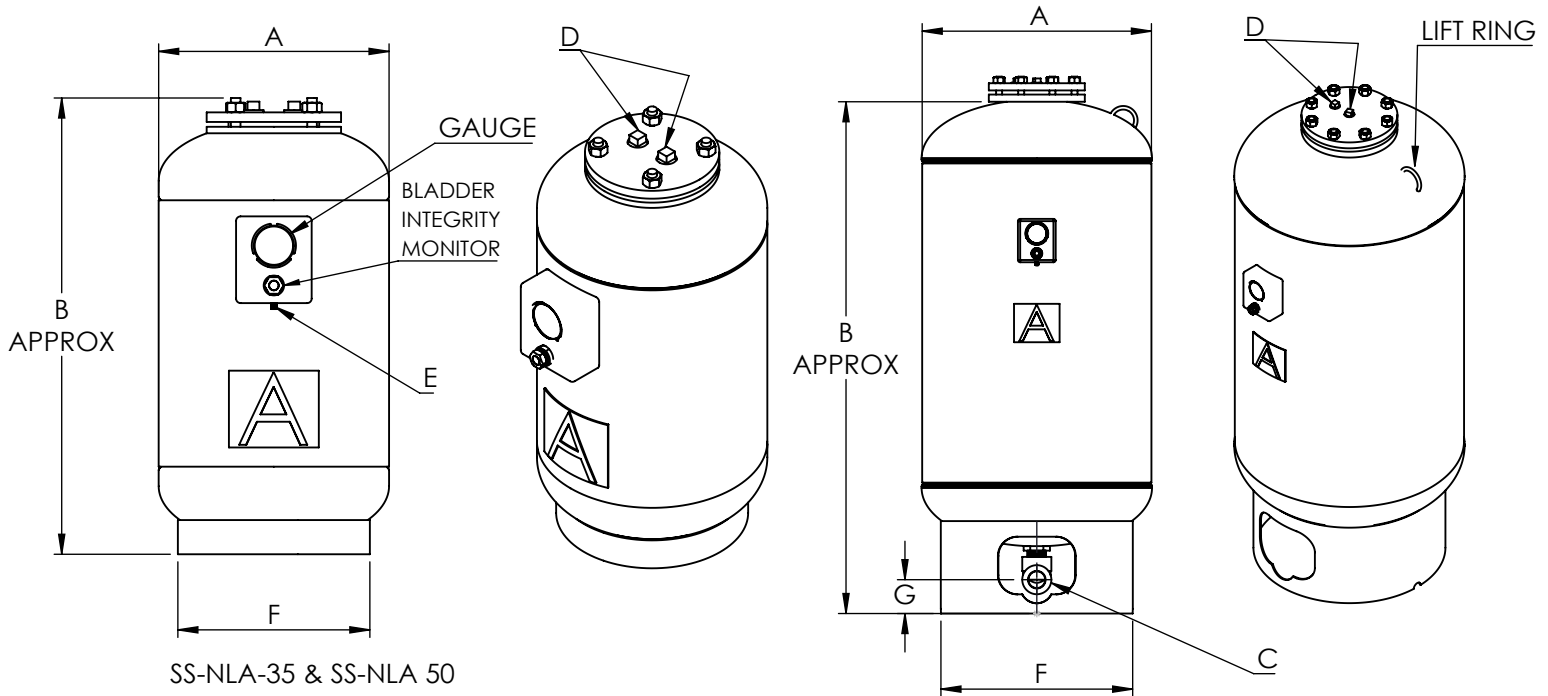
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Dimensions & Weights:

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

Notes:

- Tanks are factory pre-charged at 40 psig and field adjustable.
- California code-sight glass is available upon request.
- Both top and bottom connections (C & D) access the bladder.
- Mounting clips are available upon request.
- U.S. Patent No. 8,633,825 B2



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