

SINCE 1908  
**wessels**  
 company

SUBMITTAL

**NLA-HP-SERIES**  
 HVAC EXPANSION TANKS

Models: NLA-35-HP to NLA-800L-HP  
 Submittal Sheet No. A-1008A Rev. 1 6/13/2018

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

**Description:**

Wessels patented NLA-HP (High Pressure) tanks are ASME removeable 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 Temperature: 240°F  
 Maximum Design Pressure: \_\_\_\_\_ PSIG

Model Number	Part Number 150 PSI	Part Number 200 PSI	Part Number 250 PSI	Part Number 300 PSI	Tank Volume (Gallons)	Tagging Information	Quantity
NLA-35-HP	22020035	22040035	22050035	22060035	10		
NLA-50-HP	22020050	22040050	22050050	22060050	13		
NLA-85-HP	22020085	22040085	22050085	22060085	23		
NLA-130-HP	22020130	22040130	22050130	22060130	35		
NLA-200-HP	22020200	22040200	22050200	22060200	53		
NLA-300-HP	22020300	22040300	22050300	22060300	79		
NLA-400-HP	22020400	22040400	22050400	22060600	106		
NLA-500-HP	22020500	22040500	22050500	22060500	132		
NLA-600-HP	22020600	22040600	22050600	22070600	158		
NLA-800L-HP	22020805	22040805	22050805	22060805	211		

**Typical Specification**

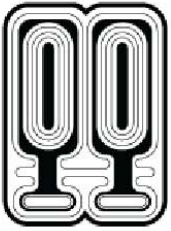
Furnish and install, as shown on plans, a \_\_\_\_\_ gallon \_\_\_\_\_" diameter X \_\_\_\_\_" (high) pre-charged steel HVAC expansion tank with heavy-duty butyl bladder. The tank shall have multiple water-side connections to eliminate stagnate water within the tank, a 0.302"-32 charging valve connection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

Each tank shall be Wessels model number NLA\_\_\_\_\_ -HP or approved equal.



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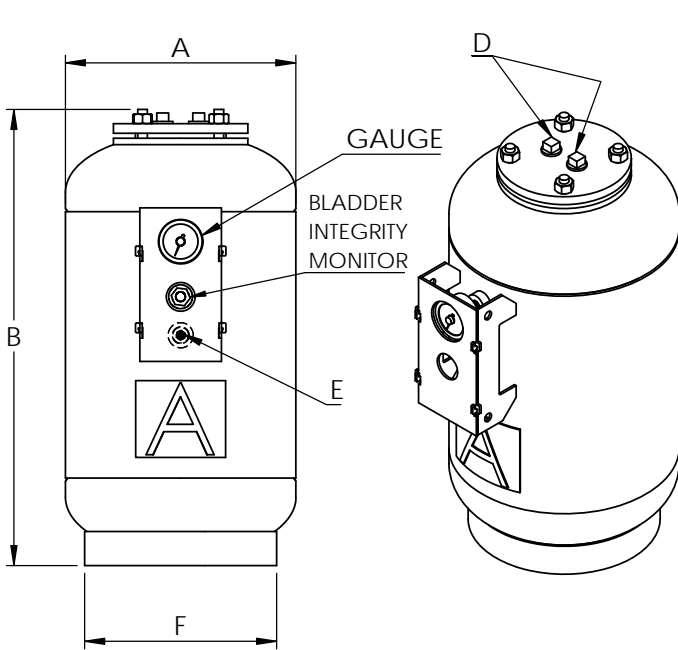


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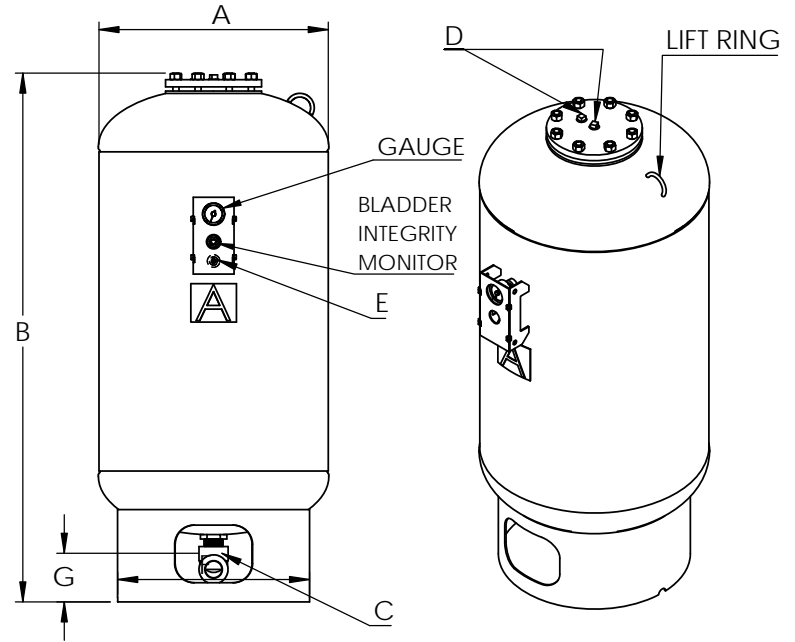
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NLA-35-HP & NLA 50-HP



NLA-85-HP TO NLA-800L-HP

**Dimensions & Weights:**

Model Number	Dimensions in Inches					Approx. Shipping Weight (lbs)				
	A	B	System Connection		Charging Valve	F	150 PSI	200 PSI	250 PSI	300 PSI
			C	D	E					
NLA-35-HP	12	23 1/2	-			10	44	52	53	54
NLA-50-HP	14	24					47	59	65	73
NLA-85-HP	16	37	1 NPT	3/4 NPT	0.302"-32NC	12	86	95	105	122
NLA-130-HP	20						16	120	127	141
NLA-200-HP	24	43	1 1/2 NPT	3/4 NPT	0.302"-32NC	20	179	194	220	283
NLA-300-HP		55					216	252	282	377
NLA-400-HP	30	49	2 NPT	3/4 NPT	0.302"-32NC	24	280	336	410	501
NLA-500-HP		57					340	400	512	607
NLA-600-HP		65					384	419	569	684
NLA-800L-HP	32	76				28	452	592	711	853

**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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