



SINCE 1908
wessels
 company

SUBMITTAL

NVA-SERIES

HYDRONIC EXPANSION TANKS

Models: NVA-1000 thru NVA-15000

Submittal Sheet No. A-1013B

Date: 4/16

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

Description

Wessels NVA Tanks are ASME removable bladder type pre-charged 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 NVA expansion tanks can be installed vertically or horizontally.

Construction

Shell: Carbon Steel
 Bladder: Heavy Duty Butyl
 System Connection: Carbon Steel

Performance Limitations

Maximum Design Temperature: 240°F
 Maximum Design Pressure: 125 PSIG*

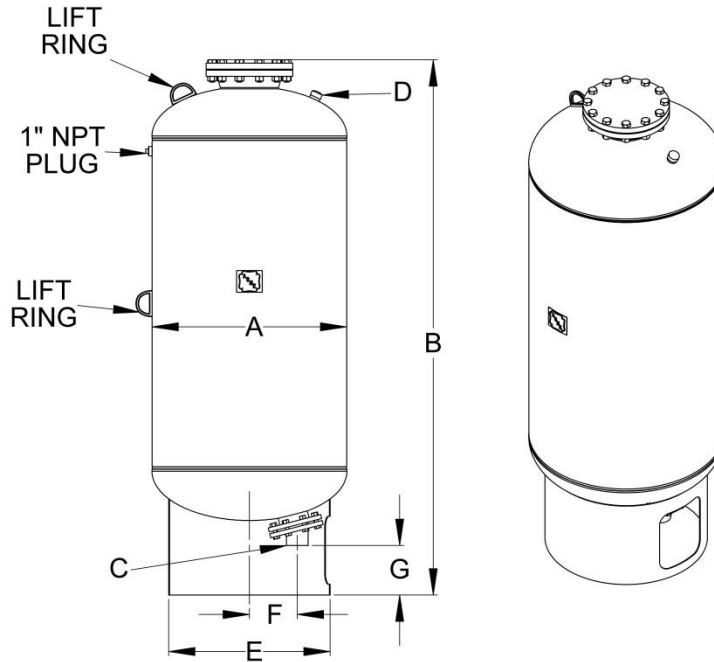
*200 & 250 PSIG available

Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
NVA-1000	22001000	264		
NVA-1200	22001200	317		
NVA-1400	22001400	370		
NVA-1600	22001600	422		
NVA-2000	22002000	528		
NVA-2500	22002500	660		
NVA-3000L	22003000	792		
NVA-3000S	22003001	792		
NVA-4000	22004000	1056		
NVA-5000	22005000	1320		
NVA-7500	22007500	1980		
NVA-10000	22009999	2640		
NVA-15000	22000000	3963		

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 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 shall be fitted with lifting rings and a floor mounting skirt for vertical installation. 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 NVA-_____ or approved equal.



NVA-1000 thru NVA-15000

Dimensions & Weights

Model Number	Dimensions in Inches							Approx. Ship Weight (lbs)
	A	B	System Connection	Charging Valve	E	F	G	
			C	D				
NVA-1000	36	87	3	0.302 - 32NC	30	8	8 1/2	735
NVA-1200		98 1/2						745
NVA-1400		110 1/2						900
NVA-1600	48	84	4	0.302 - 32NC	42	9	8 3/4	1210
NVA-2000		96						1305
NVA-2500		110						1430
NVA-3000L	60	133	4	0.302 - 32NC	54	10	8 1/4	1575
NVA-3000S		93						2169
NVA-4000		115						2638
NVA-5000	72	138	4	0.302 - 32NC	60	11	8 1/4	3246
NVA-7500		140						4080
NVA-10000		172						4920
NVA-15000		243						6000

Notes

- Tanks are factory pre-charged at 12 psi and field adjustable.
- California code-sight glass is available upon request.
- Available with mounting clips.
- Tanks installed horizontally must have the system connection below the horizontal centerline of the tank.