



SINCE 1908
wessels
 company

SUBMITTAL

NVA-SERIES

HYDRONIC EXPANSION TANKS

Models: NVA-85 thru NVA-800L

Submittal Sheet No. A-1012B

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*

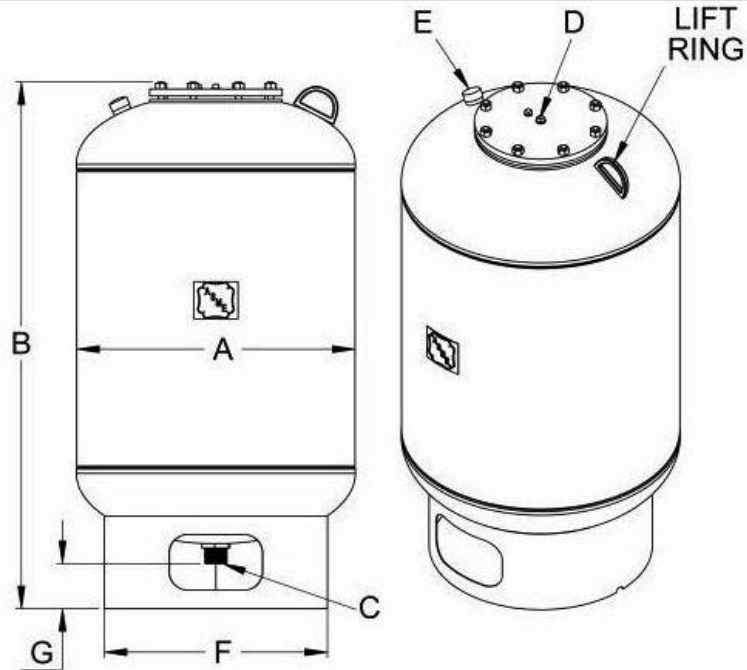
*200 & 250 PSIG available

Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
NVA-85	22000085	23		
NVA-130	22000130	35		
NVA-200	22000200	53		
NVA-300	22000300	79		
NVA-400	22000400	106		
NVA-500	22000500	132		
NVA-600	22000600	158		
NVA-800L	22000805	211		

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-85 thru NVA-800L

Dimensions & Weights

Model Number	Dimensions in Inches						Approx. Ship Weight (lbs)	
	A	B	System Connection		Charging Valve	F		G
			C	D	E			
NVA-85	16	37	1	1/2	0.302" - 32NC	12	5 1/4	90
NVA-130	20					16		125
NVA-200	24	43	1 1/2	3/4		20	210	
NVA-300	24	55			225			
NVA-400	30	49	1 1/2	3/4	24	5 1/2	300	
NVA-500		57				330		
NVA-600	30	65	1 1/2	3/4	24	4 3/4	360	
NVA-800L	32	76					475	

Notes

- Tanks are factory pre-charged at 12 psi and field adjustable.
- California code-sight glass is available upon request.
- Available with mounting clips.