



SINCE 1908
wessels
 company

SUBMITTAL

NA-SERIES

HYDRONIC EXPANSION TANKS

Models: 12NA33 thru 42NA96

Submittal Sheet No. A-1003B

Date: 3/17

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

Description

Wessels NA series are ASME plain carbon steel expansion tanks. They are designed to absorb the expansion forces and control the pressure in heating/cooling systems. This tank is the oldest style that has been used in this system. It works well when the air is controlled and kept in the tank, not in the system. The common face between this air cushion and the water in the tank allows the air to be absorbed by the water.

Construction

Shell: Carbon Steel
 Heads: Carbon Steel

Performance Limitations

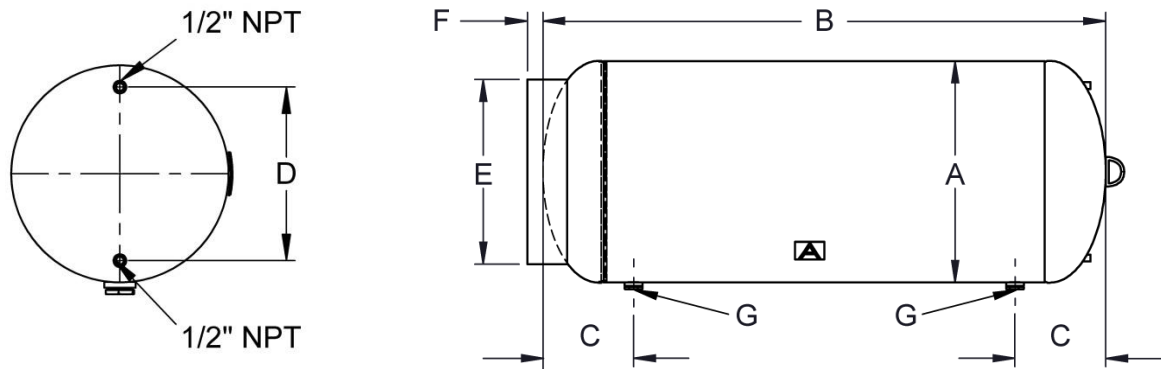
Maximum Design Temperature: 450°F
 Maximum Design Pressure:
 Models 12NA33 thru 20NA78 150 psi
 Models 24NA65 thru 42NA96 125 psi
 *200 & 250 PSIG available

Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
12NA33	23012033	15		
12NA51	23012051	24		
14NA48	23014048	30		
14NA63	23014063	40		
16NA72	23016072	60		
20NA62	23020062	80		
20NA78	23020078	100		
24NA65	23024065	120		
24NA72	23024072	135		
30NA62	23030062	175		
30NA77	23030077	220		
30NA84	23030084	240		
30NA105	23030105	305		
36NA72	23036072	295		
36NA93	23036093	400		
36NA120	23036120	505		
42NA96	23042096	525		

Typical Specification

Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" long expansion tank. The tank shall have NPT system connections, sight glass openings, and drain. The tank shall be furnished with saddles if mounted horizontally and a base ring for vertical storage. The tank must be constructed with most recent addendum of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code.

Each tank shall be Wessels model number _____NA_____ or approved equal.



12NA33 thru 36NA93

Dimensions & Weights

Model Number	Dimensions in Inches							Shipping Weight (lbs)
	A	B	C	D	E	F	G	
12NA33	12	33	7	8	11 1/2	7/8	1	44
12NA51		51						62
14NA48	14	48	10	10	18	1 1/8	1	72
14NA63		63						92
16NA72	16	72	11 1/8	12	20	1 1/2	1 1/2	120
20NA62	20	62		16				136
20NA78		78	168					
24NA65	24	65	11 1/8	20	18	1 1/2	1 1/2	218
24NA72		72						238
30NA62	30	62	13 1/2	22	24	2	1 1/2	338
30NA77		77						368
30NA84		84						394
30NA105		105 3/4						486
36NA72	36	72	14 3/4	28	30	2 1/2	2	502
36NA93		92 1/2						645
36NA120		120						810
42NA96	42	96	18	-	-	-	2	895

Notes

- Ring Stand not provided on 36NA120 and 42NA96.
- 12" x 16" manhole furnished on 42NA96.
- NA-style tanks are fully compatible with ethylene & propylene glycol/water mixtures.