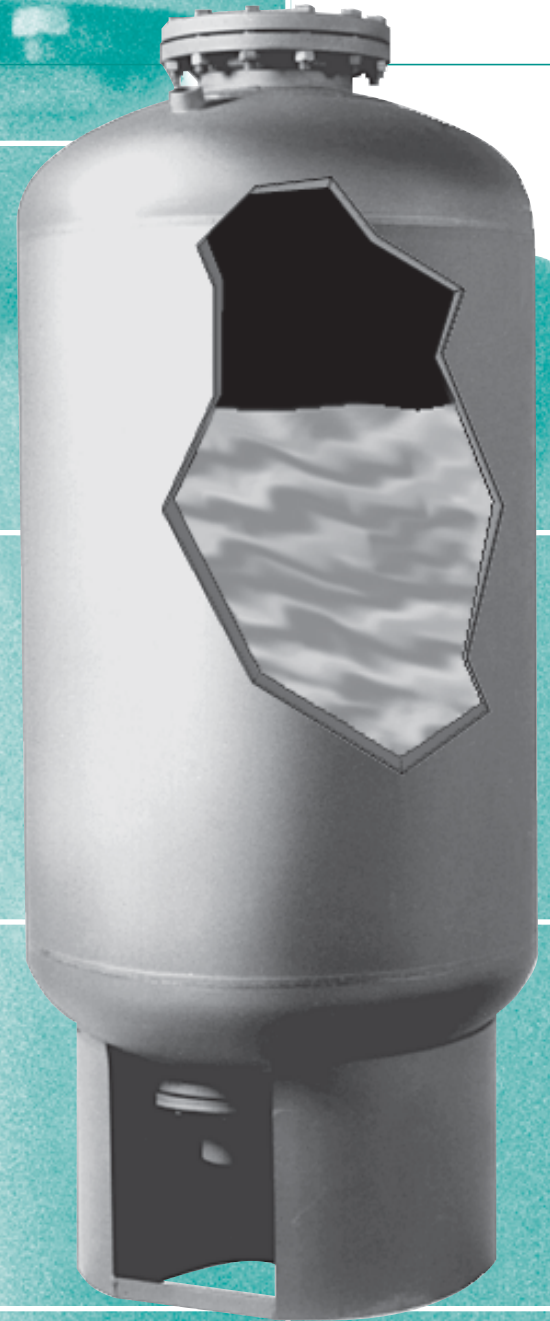


# WESTROL SUPERTANKS

Fixed and  
Replaceable Diaphragm  
Expansion Tanks



SINCE 1908  
**wessels**  
company

*Headquarters & Factory*  
101 Tank St.  
Greenwood, IN 46143  
(317) 888-9800  
Fax: (317) 888-9988  
[www.westank.com](http://www.westank.com)

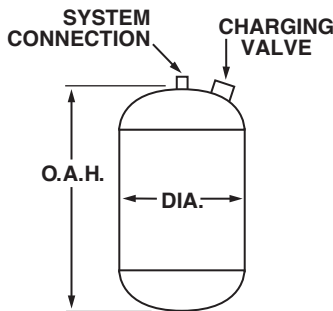
# WESTROL SUPERTANKS

## DIAPHRAGM EXPANSION TANKS

Westrol type NTA, NLA and NL expansion tanks are designed for use in Hydronic heating/cooling systems to absorb the expansion force resulting from the changes in temperature of the heating/cooling fluid. As the system fluid expands, it is forced into the precharged tank to the maximum system pressure. The precharged air cushion then forces the fluid back into the system as it contracts. The extra heavy butyl diaphragm keeps the fluid permanently isolated from the precharged air cushion. This arrangement eliminates water logging and absorption of air into the system. It also helps prevent air bound terminal units, excessive corrosion, inefficient balancing and pump cavitation over the life of the system. The large acceptance volume allows maximum storage and reduction of up to 80% in tank size. Energy consumption is reduced by eliminating unnecessary system water volume. For thermal installations use Westrol type TTA or TXA for potable hot water applications.

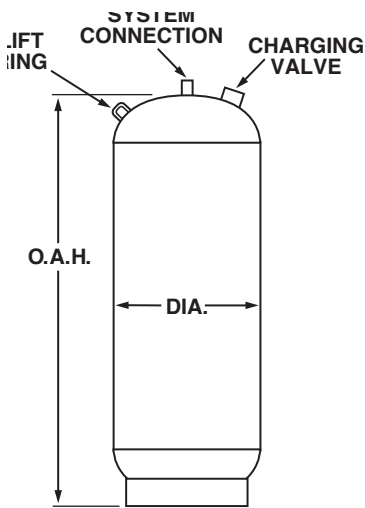
## TYPE NTA EXPANSION TANKS

ASME fixed diaphragm type precharged expansion tanks for commercial and industrial heating/cooling systems available in sizes from 7.8 gallons to 211 gallons.



NTA 15 and NTA 20

- ASME Section VIII construction and label
- Heavy duty butyl diaphragm
- Permanent separation of air and water
- Smaller sizes for easier handling, and saves space and installation costs
- Can be manifolded for more capacity
- Factory precharged 12 PSI and field adjustable



NTA 40 thru NTA 280

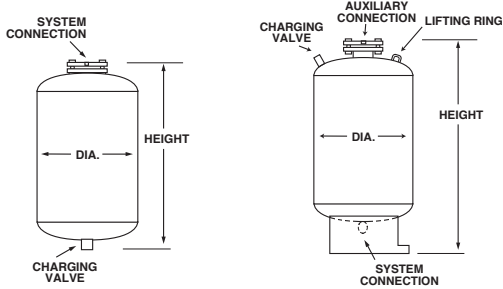
Model Number	Tank Volume (gal.)	Acceptance Volume (gal.)	N.P.T. System Connection	Max. Oper. Pressure (psi)	DIMENSIONS		Approx. Weight (lbs)
					Diameter (in.)	Height (in.)	
NTA 15	7.8	5.0	3/4"	150	12	19	42
NTA 20	10.9	5.0	3/4"	150	12	26	52
NTA 40	25	12.0	1"	150	14	42	84
NTA 60	35	12.0	1"	150	14	57	97
NTA 80	45	24.0	1"	125	20	38	148
NTA 100	60	24.0	1"	125	20	49	175
NTA 120	70	52.5	1 1/2"	125	24	46	259
NTA 144	80	52.5	1 1/2"	125	24	49	268
NTA 180	90	52.5	1 1/2"	125	24	52	283
NTA 200	115	52.5	1 1/2"	125	24	66	325
NTA 240	140	52.5	1 1/2"	125	24	78	362
NTA 260	158	56.0	1 1/2"	125	30	61	591
NTA 280	211	84.0	1 1/2"	125	30	79	752

## TYPE NLA EXPANSION TANKS

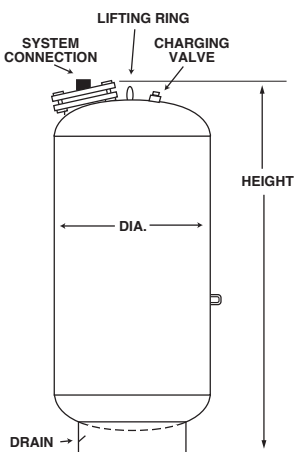
ASME replaceable diaphragm type expansion tanks for commercial and industrial heating/cooling systems. Space saving tank comes in sizes of 10 to 3963 gallons.



- ASME Section VIII construction and label
- Permanent separation of air and water
- Never waterlogs
- Water is "in the bag." Steel tank never touches water and is not subject to corrosion
- Replacement diaphragm
- Smaller sizes for easier handling, and saves space and installation costs
- Factory precharged and field adjustable



**NLA 35 and NLA 50    NLA 85 thru NLA 800L**



**Optional Saddles**

Size	A	B	Weight
12	10	3	18
14	11	3	19
16	13	3	21
20	14	4	25
24	17	4	28
30	21	5	38
36	25	5	52

**NLA 1000 thru  
NLA 15000**



Model Number	Tank and Acceptance Vol. (Gals)	DIMENSIONS		N.P.T. System Conn.	N.P.T. Aux. Conn.	Shipping Weight Pounds
		Diameter (in.)	Height (in.)			
NLA 35	10	12	25	3/4"	-	40
NLA 50	13	14	25	3/4"	-	50
NLA 85	23	16	37	1"	1/2"	90
NLA 130	35	20	37	1"	1/2"	125
NLA 200	53	24	43	1 1/2"	1/2"	210
NLA 300	79	24	55	1 1/2"	3/4"	225
NLA 400	106	30	49	1 1/2"	3/4"	300
NLA 500	132	30	57	1 1/2"	3/4"	335
NLA 600	158	30	65	1 1/2"	3/4"	360
NLA 800L	211	32	76	1 1/2"	3/4"	475
NLA 1000	264	36	74	1 1/2"	-	710
NLA 1200	317	36	86	1 1/2"	-	720
NLA 1400	370	36	99	1 1/2"	-	875
NLA 1600	422	48	72	1 1/2"	-	1100
NLA 2000	528	48	85	1 1/2"	-	1280
NLA 2500	660	48	102	2"	-	1435
NLA 3000L	792	48	122	2"	-	1550
NLA 3000S	792	60	80	2"	-	2169
NLA 4000	1056	60	102	2"	-	2638
NLA 5000	1320	60	125	2"	-	3246
NLA 7500	1980	72	127	3"	-	4005
NLA 10000	2640	72	159	3"	-	4845
NLA 15000	3963	72	233	3"	-	5925

125 P.S.I. operating pressure - 240°F maximum temperature at tank factory precharged 12 P.S.I.

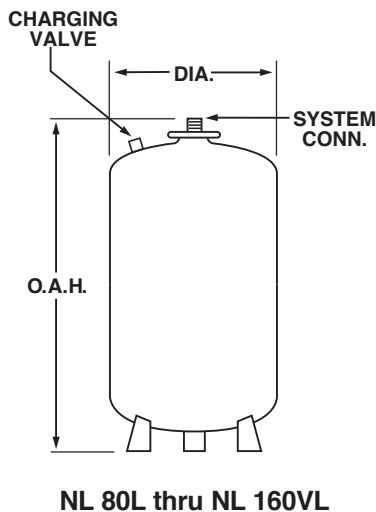
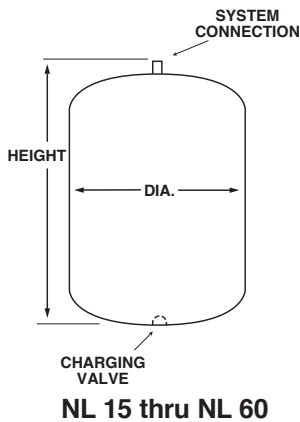
Prime painted exterior finish



## TYPE NL EXPANSION TANKS

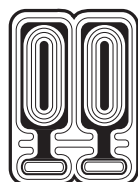
Diaphragm type precharged expansion tanks for residential and commercial installations. Space saving tanks comes in sizes of 2.11 gallons to 132 gallons.

- Permanent separation of air and water, never waterlogs
- Smaller sizes for easier handling, saves space and installation costs
- Highly rust resistant baked epoxy finish
- Can be manifolded for more capacity
- Factory precharged and field adjustable



Model Number	Size U.S. Gal.	Acceptance Volume	Tank Diameter	Tank Height	N.P.T. System Conn.	Approx. Weight (lbs)
NL 15	2.1	1.2	7.9	12.9	3/4"	6
NL 20	3.2	1.9	10.6	11.8	3/4"	7
NL 30	4.8	2.8	10.6	16.2	3/4"	9
NL 60	6.6	3.9	11.4	19.7	3/4"	12
NL 80	10.6	6.2	12.6	22.5	1"	22
NL 90L	15.8	10.4	15.0	28.7	1"	31
NL 40VL	21.1	12.4	17.7	28.9	1"	35
NL 60VL	26.4	15.5	17.7	31.1	1"	45
NL 90VL	52.8	35.0	21.6	42.5	1 1/2"	84
NL 110VL	79.2	46.0	24.8	46.3	1 1/2"	111
NL 160VL	132.1	50.0	30.7	50.5	1 1/2"	217

90 P.S.I. operating pressure - 240°F maximum temperature  
factory precharged 12 P.S.I.



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HEADQUARTERS: 101 TANK ST., • GREENWOOD, IN 46143 TEL: 317-888-9800 FAX: 317-888-9988  
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