

SINCE 1908  
**wessels**  
 company

**SUBMITTAL**

**NL-SERIES**

HYDRONIC EXPANSION TANKS

Models: NL-15 thru NL-160VL

Submittal Sheet No. A-1102A

Date: 1/19

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

**Description**

Wessels NL Tanks are non-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 NL expansion tanks can be installed vertically or horizontally.

**Construction**

Shell: Carbon Steel  
 Bladder: Heavy Duty Butyl  
 System Connection: Carbon Steel  
 Finish: Baked Epoxy

**Performance Limitations**

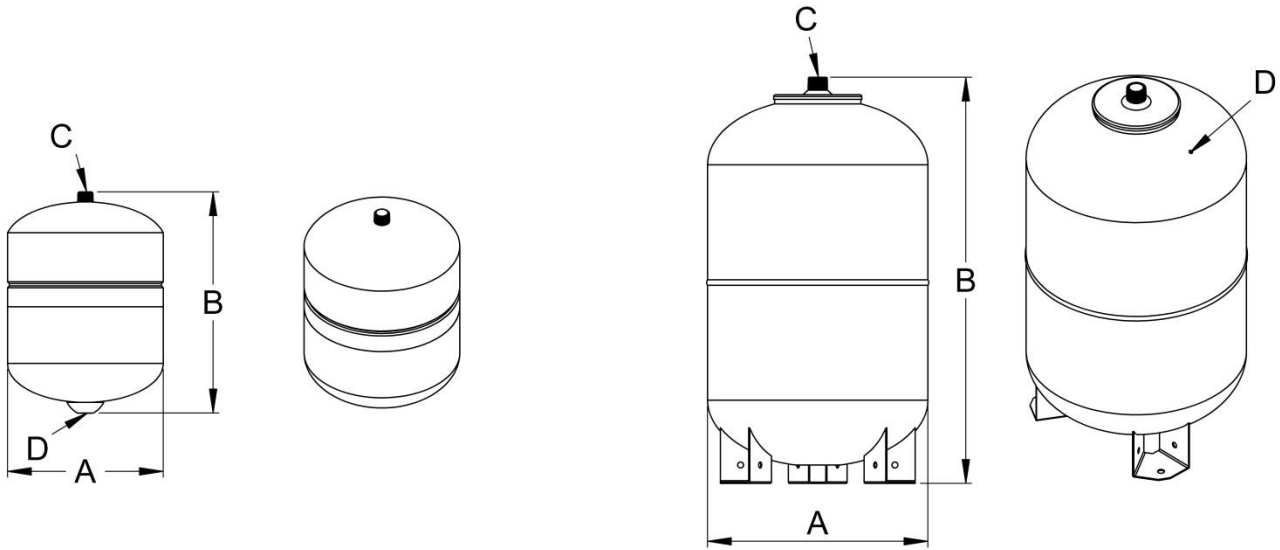
Maximum Design Temperature: 240°F  
 Maximum Design Pressure: 150 PSIG

Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
NL-15	32051008	2.1		
NL-20	32051012	3.2		
NL-30	32051018	4.8		
NL-60	32051025	6.6		
NL-80L	32051035	10.6		
NL-90L	32051050	15.8		
NL-40VL	32051080	21.1		
NL-60VL	32051105	26.4		
NL-90VL	32051200	52.8		
NL-110VL	32051300	79.2		
NL-160VL	32051500	132.1		

**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.

Each tank shall be Wessels model number NL\_\_\_\_\_ or approved equal.



NL-15 thru NL-60

NL-80L thru NL160VL

**Dimensions & Weights**

Model Number	Dimensions In Inches				Approx Shipping Weight (lbs)
	A	B	System Connection	Charging Valve	
			C	D	
NL-15	7.9	12.9	3/4	0.302" -32NC	6
NL-20	10.6	11.8			7
NL-30		16.2			9
NL-60	11.4	19.7			12
NL-80L	12.6	22.5	1		22
NL-90L	15	28.7			31
NL-40VL	17.7	28.9			35
NL-60VL		31.1			45
NL-90VL	21.6	42.5	1 1/2		84
NL-110VL	24.8	46.3			111
NL-160VL	30.7	50.5		217	

**Notes**

- Tanks are factory pre-charged at 12 psi and field adjustable.
- Models NL80L thru NL160VL will have mounting legs.