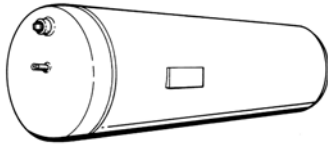


JOB:	REPRESENTATIVE:	
UNIT TAG:	ORDER NO.:	DATE:
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:



Series "D" (ASME) Pressurized Expansion Tanks Horizontal

Not For Potable Water Systems

DESCRIPTION

Series "D" expansion tanks are ASME rated precharged diaphragm-type pressure vessels. The Series "D" tank is designed to absorb the expansion forces of heating/cooling system water while maintaining proper system pressurization under varying operating conditions. The heavy duty diaphragm separates system water from the tank air charge thereby eliminating waterlogging problems.

CONSTRUCTION

Shell: Carbon Steel
 Diaphragm: Heavy Duty Butyl Rubber
 System Connection: Forged Steel
 Designed and Constructed per ASME Section VIII, Division 1

PERFORMANCE LIMITATIONS

Maximum Design Pressure: 125 PSI (862kPa)
 Design Temperature: 240°F (115°C)

SCHEDULE

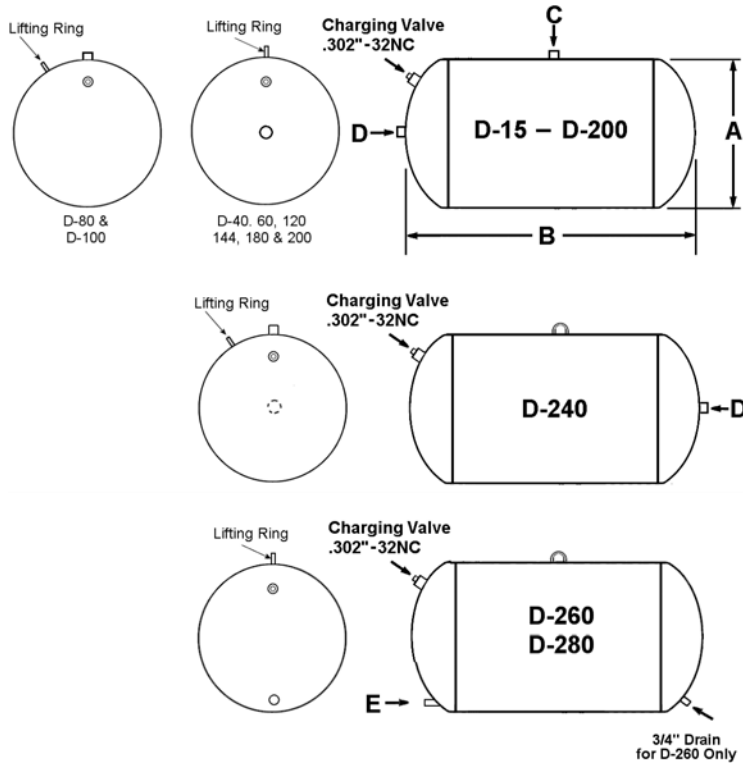
PART NUMBER	MODEL NO.	VOLUME GALLONS (LITERS)		TAGGING INFORMATION	QUANTITY
		TANK	ACCEPTANCE		
116500	D-15	8.0 (30.3)	2.4 (9.1)		
116501	D-20	10.9 (41.3)	2.4 (9.1)		
116502	D-40	21.7 (82.1)	11.3 (42.8)		
116503	D-60	33.6 (127.2)	11.3 (42.8)		
116504	D-80	44.4 (168.1)	22.6 (85.5)		
116505	D-100	55.7 (211.8)	22.6 (85.5)		
116506	D-120	68.0 (257.4)	34.0 (128.7)		
116507	D-144	77.0 (291.5)	34.0 (128.7)		
116508	D-180	90.0 (340.7)	34.0 (128.7)		
116509	D-200	110.0 (416.4)	34.0 (128.7)		
116510	D-240	132.0 (500)	46.0 (174.1)		
116778	D-260	159.0 (600)	56.0 (212.0)		
116779	D-280	211.0 (800)	84.0 (318.0)		

TYPICAL SPECIFICATION

Furnish and install as shown on plans a _____ gallon (_____ liter) _____" (_____ mm) diameter x _____" (_____ mm) high pre-charged horizontal steel expansion tank with integral heavy duty Butyl rubber diaphragm. The tank shall have _____" NPT system connection(s), and a .302"-32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements.

The tank must be constructed in accordance with Section VIII of the ASME Boiler and Pressure Vessel Code and stamped 125 PSI (862 kPa) working pressure.

Each tank shall be Xylem – Bell & Gossett Model No. _____



NOTE: Tanks are factory pre-charged at 12 psi (83 kPa)
Sight glass and seismic restraints available.

DIMENSIONS AND WEIGHTS

MODEL NUMBER	DIMENSIONS IN INCHES (MM)					APPROX. SHPG. WT. LBS. (Kg)	APPROX. WT* 100% FULL LBS. (Kg)
	A	B	SYSTEM CONNECTIONS - NPTM				
			C	D	E		
D-15**	12 (305)	19-1/4 (489)	N/A	1/2	N/A	37 (17)	102 (46)
D-20**	12 (305)	26-1/4 (667)	N/A	1/2	N/A	46 (21)	137 (62)
D-40	16-1/4 (413)	29 (737)	N/A	1/2	N/A	82 (37)	263 (119)
D-60	16-1/4 (413)	42-1/4 (1073)	N/A	1/2	N/A	103 (47)	383 (174)
D-80	16-1/4 (413)	56-7/8 (1445)	1/2	N/A	N/A	145 (66)	516 (234)
D-100	16-1/4 (413)	69 (1753)	1/2	N/A	N/A	167 (76)	632 (287)
D-120	24 (610)	39-7/8 (1013)	N/A	1	N/A	210 (95)	778 (353)
D-144	24 (610)	44-3/4 (1137)	N/A	1	N/A	240 (109)	883 (401)
D-180	24 (610)	52-1/8 (1324)	N/A	1	N/A	242 (110)	993 (450)
D-200	24 (610)	62-5/8 (1591)	N/A	1	N/A	275 (125)	1193 (541)
D-240	30 (762)	49-5/8 (1260)	N/A	1	N/A	398 (181)	1500 (680)
D-260	30 (762)	58 (1473)	N/A	N/A	1-1/4	550 (250)	1869 (850)
D-280	30 (762)	75-3/4 (1924)	N/A	N/A	1-1/4	700 (318)	2461 (1119)

N/A – NOT APPLICABLE

Dimensions are subject to change. Not to be used for construction purposes unless certified.

*Approximate weight 100% full occurs if diaphragm fails.

**No lifting ring

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