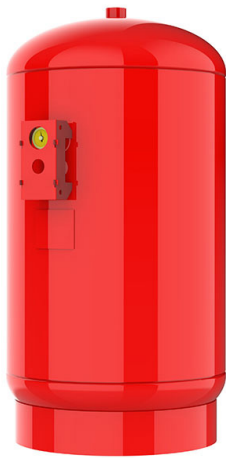


Job	Representative	
Unit tag	Order number	Date
Engineer	Submitted by	Date
Contractor	Approved by	Date



Series “D” (ASME) Pressurized Expansion Tanks

250 PSI working pressure not for potable water systems

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. All Series “D” expansion tanks include an integrated bladder integrity monitor and are available with sight glass and/or seismic restraints.

Construction materials

System connection: Forged steel

Shell: Carbon steel

Diaphragm: Heavy duty butyl rubber, designed and constructed per ASME Section VIII, Division 1

Maximum operating limits

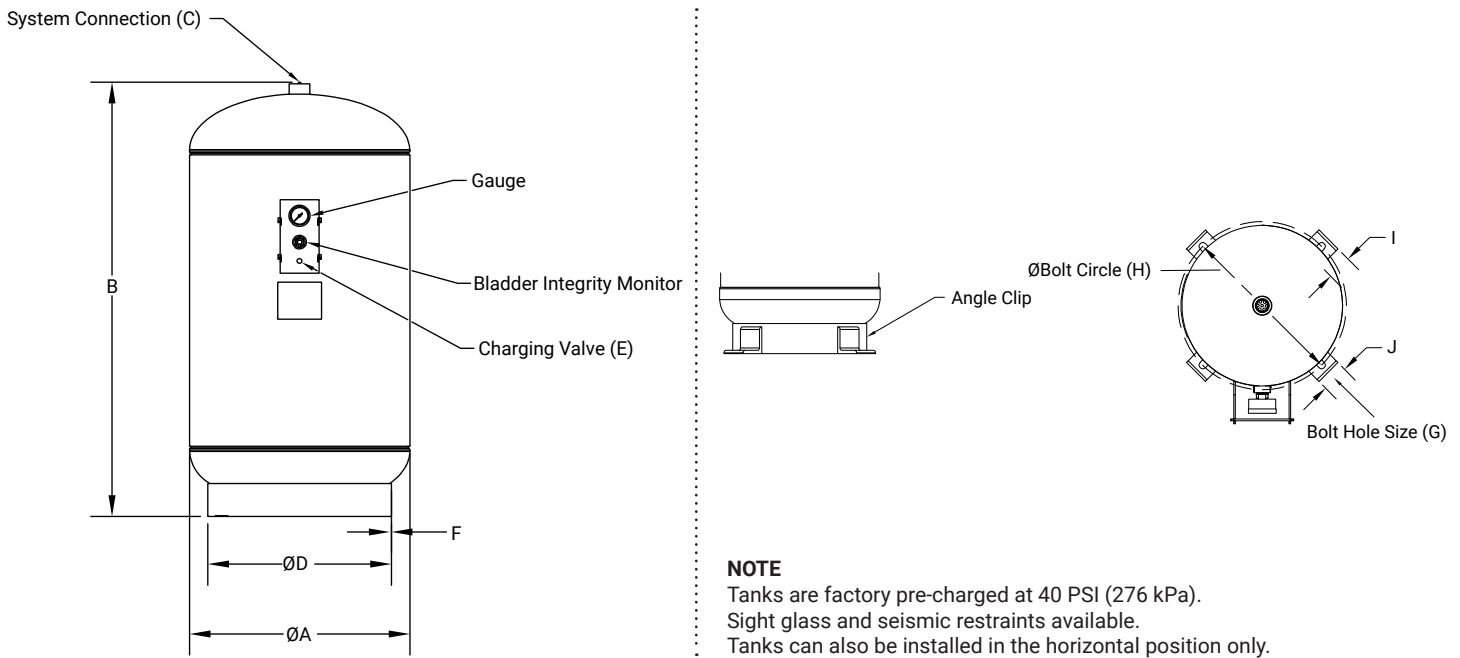
Maximum design pressure: 250 PSI (1,724 kPa)

Design temperature: 240°F (115°C)

Schedule

Model no.	Part numbers				Volume gal (L)		Tagging information	Quantity
	Pressurized expansion tanks	With sight glass	With seismic restraints	With sight glass & seismic restraints	Tank	Acceptance		
D-15	116585	116598	116611	116624	7.8 (30)	6.3 (24)		
D-20	116586	116599	116612	116625	11 (42)	8.8 (33)		
D-40	116587	116600	116613	116626	25 (95)	20.2 (76)		
D-60	116588	116601	116614	116627	35 (132)	28 (106)		
D-80	116589	116602	116615	116628	45 (170)	36 (136)		
D-100	116590	116603	116616	116629	60 (227)	48.5 (184)		
D-120	116591	116604	116617	116630	70 (265)	56.5 (214)		
D-144	116592	116605	116618	116631	80 (303)	65 (246)		
D-180	116593	116606	116619	116632	90 (341)	73 (276)		
D-200	116594	116607	116620	116633	115 (435)	93 (352)		
D-240	116595	116608	116621	116634	140 (530)	113.5 (430)		
D-260	116596	116609	116622	116635	158 (598)	128 (485)		
D-280	116597	116610	116623	116636	211 (799)	171 (647)		

Series "D" (ASME) pressurized expansion tanks (250 psi working pressure)



Dimensions and weights

Model	A in (mm)	B in (mm)	C (NPTM)	Charging Valve E	D in (mm)	F in (mm)	G in (mm)	H in (mm)	I in (mm)	J in (mm)	Ship Wt. lbs (kg)	Flooded Wt.* lbs (kg)
D-15	12 (305)	19 (483)	¾	.302"-32 NC	10 (254)	0.14 (4)	9/16 (14)	12 (305)	2 (51)	2 (51)	67 (30)	132 (60)
D-20	12 (305)	25 (638)	¾	.302"-32 NC	10 (254)	0.14 (4)	9/16 (14)	12 (305)	2 (51)	2 (51)	83 (38)	175 (79)
D-40	16 (406)	33 (838)	1	.302"-32 NC	14 (356)	0.14 (4)	9/16 (14)	16 (406)	2 (51)	2 (51)	134 (61)	342 (155)
D-60	16 (406)	44 (1,118)	1	.302"-32 NC	14 (356)	0.14 (4)	9/16 (14)	16 (406)	2 (51)	2 (51)	155 (70)	447 (203)
D-80	20 (508)	38 (965)	1	.302"-32 NC	18 (457)	0.14 (4)	9/16 (14)	20 (508)	2 (51)	2 (51)	237 (107)	612 (278)
D-100	20 (508)	49 (1,245)	1	.302"-32 NC	18 (457)	0.14 (4)	9/16 (14)	20 (508)	2 (51)	2 (51)	280 (127)	780 (354)
D-120	24 (610)	46 (1,168)	1½	.302"-32 NC	22 (559)	0.14 (4)	9/16 (14)	24 (610)	2 (51)	2 (51)	414 (188)	997 (452)
D-144	24 (610)	49 (1,245)	1½	.302"-32 NC	22 (559)	0.14 (4)	9/16 (14)	24 (610)	2 (51)	2 (51)	429 (195)	1,095 (497)
D-180	24 (610)	52 (1,321)	1½	.302"-32 NC	22 (559)	0.14 (4)	9/16 (14)	24 (610)	2 (51)	2 (51)	453 (205)	1,203 (546)
D-200	24 (610)	66 (1,676)	1½	.302"-32 NC	22 (559)	0.14 (4)	9/16 (14)	24 (610)	2 (51)	2 (51)	520 (236)	1,478 (670)
D-240	24 (610)	78 (1,981)	1½	.302"-32 NC	22 (559)	0.14 (4)	9/16 (14)	25 (635)	3 (76)	3 (76)	579 (263)	1,745 (791)
D-260	30 (762)	63 (1,600)	1½	.302"-32 NC	24 (610)	0.14 (4)	9/16 (14)	27 (686)	3 (76)	3 (76)	946 (429)	2,262 (1,026)
D-280	30 (762)	81 (2,057)	1½	.302"-32 NC	24 (610)	0.14 (4)	9/16 (14)	27 (686)	3 (76)	3 (76)	1,203 (546)	2,961 (1,343)

Dimensions subject to change. Not to be used for construction purposes. *Approximate weight 100% full occurs if bag fails or if air charge is lost.

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