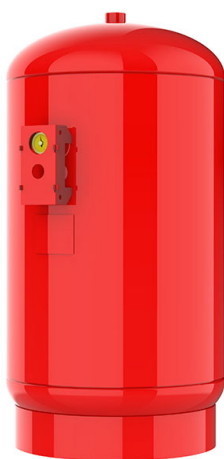


Job	Representative	
Unit tag	Order number	Date
Engineer	Submitted by	Date
Contractor	Approved by	Date



Series "D" (ASME) Pressurized Expansion Tanks

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

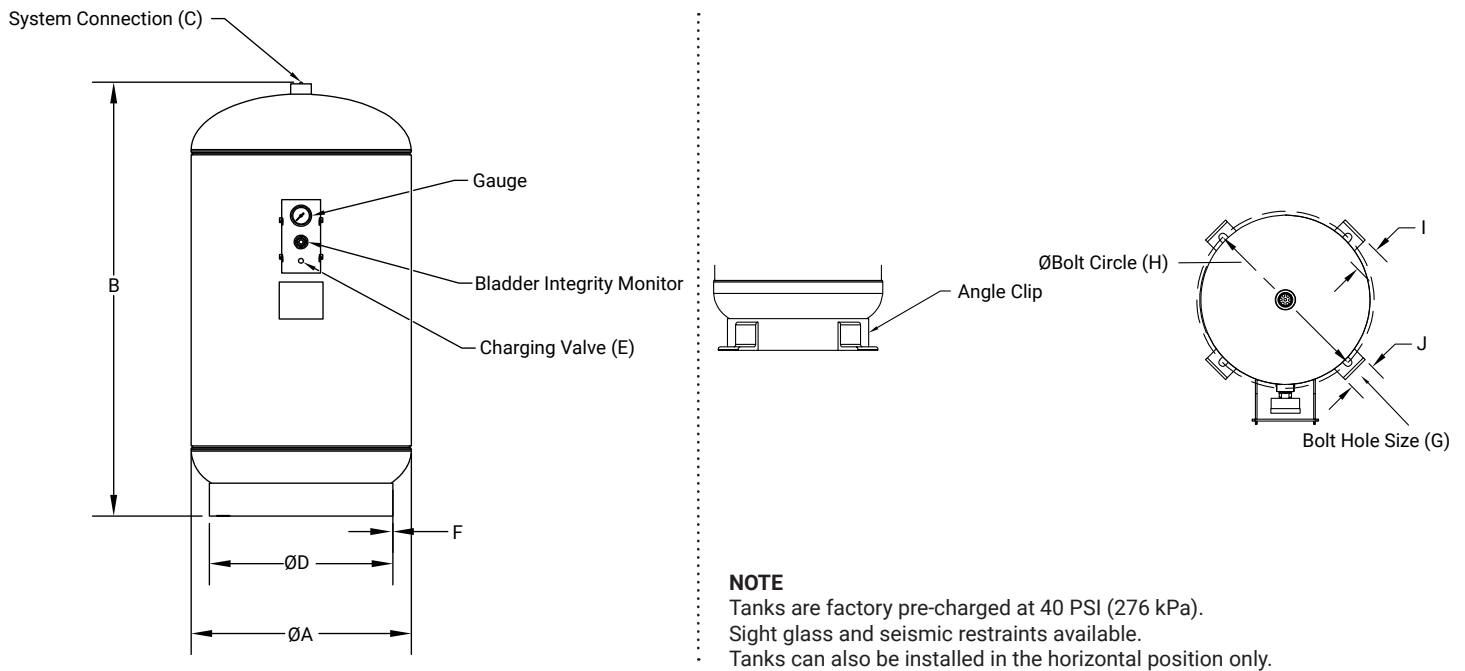
Maximum design pressure: 125 PSI (862 kPa)

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	116298	116311	116324	116337	7.8 (30)	6.3 (24)		
D-20	116299	116312	116325	116338	11 (42)	8.8 (33)		
D-40	116300	116313	116326	116339	25 (95)	20.2 (76)		
D-60	116301	116314	116327	116340	35 (132)	28 (106)		
D-80	116302	116315	116328	116341	45 (170)	36 (136)		
D-100	116303	116316	116329	116342	60 (227)	48.5 (184)		
D-120	116304	116317	116330	116343	70 (265)	56.5 (214)		
D-144	116305	116318	116331	116344	80 (303)	65 (246)		
D-180	116306	116319	116332	116345	90 (341)	73 (276)		
D-200	116307	116320	116333	116346	115 (435)	93 (352)		
D-240	116308	116321	116334	116347	140 (530)	113.5 (430)		
D-260	116309	116322	116335	116348	158 (598)	128 (485)		
D-280	116310	116323	116336	116349	211 (799)	171 (647)		

Series “D” (ASME) pressurized expansion tanks



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)	42 (19)	107 (49)
D-20	12 (305)	25 (638)	¾	.302"-32 NC	10 (254)	0.14 (4)	9/16 (14)	12 (305)	2 (51)	2 (51)	52 (24)	144 (65)
D-40	16 (406)	33 (838)	1	.302"-32 NC	14 (356)	0.14 (4)	9/16 (14)	16 (406)	2 (51)	2 (51)	84 (38)	292 (132)
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)	97 (44)	389 (176)
D-80	20 (508)	38 (965)	1	.302"-32 NC	18 (457)	0.14 (4)	9/16 (14)	20 (508)	2 (51)	2 (51)	148 (67)	523 (237)
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)	175 (79)	675 (306)
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)	259 (117)	842 (382)
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)	268 (122)	934 (424)
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)	283 (128)	1,033 (468)
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)	325 (147)	1,283 (582)
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)	362 (164)	1,528 (693)
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)	591 (268)	1,907 (865)
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)	752 (341)	2,510 (1,138)

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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