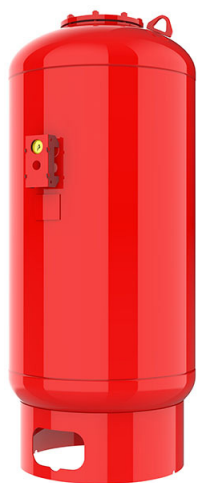


Job	Representative	
Unit tag	Order number	Date
Engineer	Submitted by	Date
Contractor	Approved by	Date



Series "B" (ASME) Pressurized Expansion Tanks

Not for potable water systems

Series "B" expansion tanks are ASME rated precharged bladder-type pressure vessels. The Series "B" 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 bladder contains system water thereby eliminating tank corrosion and waterlogging problems. All Series "B" tanks include an integral bladder integrity monitor and are available with sight glass and/or seismic restraints.

Construction materials

System connection: Forged steel

Shell: Carbon steel

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

Maximum operating limits

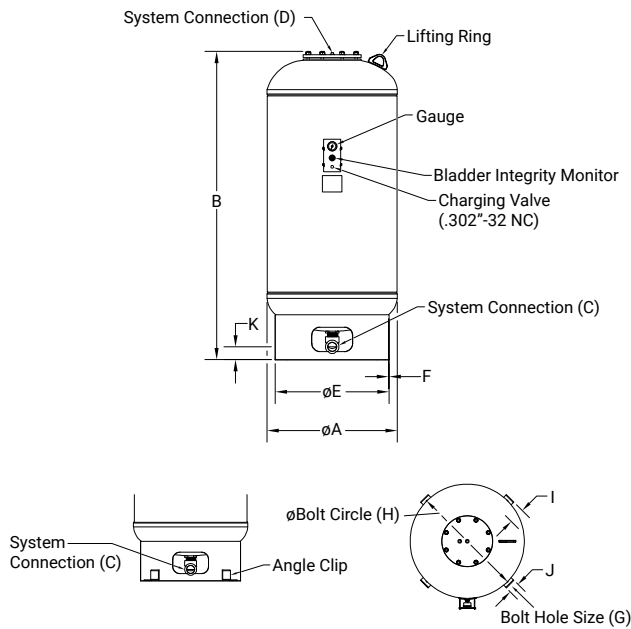
Maximum design pressure: 125 PSI (862 kPa)

Design temperature: 240°F (115°C)

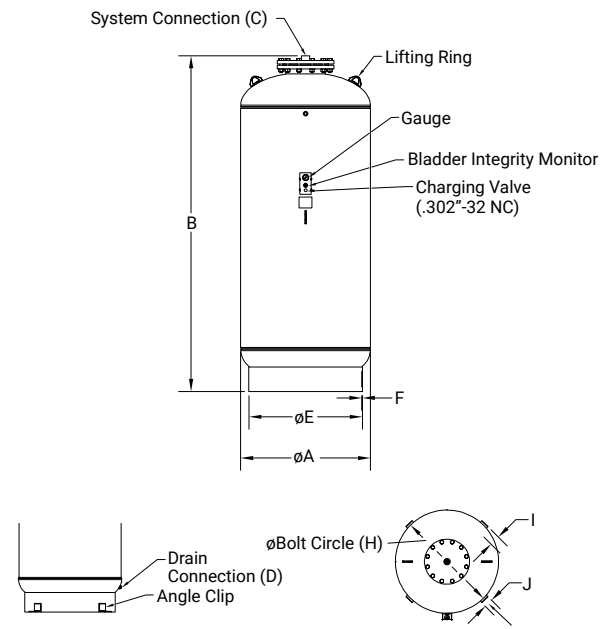
Schedule

Model no.	Part numbers				Tank and acceptance volume gal (L)	Tagging information	Quantity
	Pressurized expansion tanks	With sight glass	With seismic restraints	With sight glass & seismic restraints			
B200	116051	116070	116089	116108	53 (200)		
B300	116052	116071	116090	116109	80 (300)		
B400	116053	116072	116091	116110	106 (400)		
B500	116054	116073	116092	116111	132 (500)		
B600	116055	116074	116093	116112	158 (600)		
B800	116056	116075	116094	116113	211 (800)		
B1000	116057	116076	116095	116114	264 (1,000)		
B1200	116058	116077	116096	116115	317 (1,200)		
B1400	116059	116078	116097	116116	370 (1,400)		
B1600	116060	116079	116098	116117	422 (1,600)		
B2000	116061	116080	116099	116118	528 (2,000)		
B2500	116062	116081	116100	116119	660 (2,500)		
B3000	116063	116082	116101	116120	792 (3,000)		
B3500	116064	116083	116102	116121	925 (3,500)		
B4000	116065	116084	116103	116122	1,057 (4,000)		
B5000	116066	116085	116104	116123	1,321 (5,000)		
B7500	116067	116086	116105	116124	1,980 (7,500)		
B10000	116068	116087	116106	116125	2,640 (10,000)		
B15000	116069	116088	116107	116126	3,963 (15,000)		

Series “B” (ASME) pressurized expansion tanks



Models B200 thru B800



Models B1000 thru B15000

NOTES

Tanks are factory pre-charged at 40 PSI (276 kPa). Allow a minimum of 18" (457.2 mm) clearance for system piping. Sight glass and seismic restraints available. Tanks can be installed in the horizontal position with the gauge/bladder integrity monitor located above the horizontal centerline of the tank.

Dimensions and weights

Model	A in (mm)	B in (mm)	C FNPT (in)	D in (mm)	E in (mm)	F in (mm)	G in (mm)	H in (mm)	I in (mm)	J in (mm)	K in (mm)	Ship Wt. lbs (kg)	Flooded Wt.* lbs (kg)
B-200	24 (610)	43 (1,092)	1½	¾	20 (508)	0.14 (4)	⅞ (14)	22 (559)	2 (51)	2 (51)	5.25 (133)	210 (95)	651 (295)
B-300	24 (610)	55 (1,397)	1½	¾	20 (508)	0.14 (4)	⅞ (14)	22 (559)	2 (51)	2 (51)	5.25 (133)	225 (102)	891 (404)
B-400	30 (762)	49 (1,245)	1½	¾	24 (610)	0.14 (4)	⅞ (14)	27 (686)	3 (76)	3 (76)	5.25 (133)	300 (136)	1,183 (537)
B-500	30 (762)	57 (1,448)	2	¾	24 (610)	0.14 (4)	⅞ (14)	27 (686)	3 (76)	3 (76)	5.25 (133)	335 (152)	1,435 (651)
B-600	30 (762)	65 (1,651)	2	¾	24 (610)	0.14 (4)	⅞ (14)	27 (686)	3 (76)	3 (76)	5.25 (133)	360 (163)	1,676 (760)
B-800	32 (813)	76 (1,930)	2	¾	28 (711)	0.14 (4)	⅞ (14)	31 (787)	3 (76)	3 (76)	5.25 (133)	475 (215)	2,233 (1,013)
B-1000	36 (914)	76 (1,930)	1½	¾	30 (762)	0.14 (4)	⅞ (14)	33 (838)	3 (76)	3 (76)	N/A	552 (250)	2,751 (1,248)
B-1200	36 (914)	88 (2,235)	1½	¾	30 (762)	0.14 (4)	⅞ (14)	33 (838)	3 (76)	3 (76)	N/A	679 (308)	3,320 (1,506)
B-1400	36 (914)	100 (2,540)	1½	¾	30 (762)	0.14 (4)	⅞ (14)	33 (838)	3 (76)	3 (76)	N/A	688 (312)	3,770 (1,710)
B-1600	48 (1,219)	74 (1,880)	1½	¾	42 (1,067)	0.14 (4)	⅞ (14)	45 (1,143)	3 (76)	3 (76)	N/A	1,046 (474)	4,561 (2,068)
B-2000	48 (1,219)	86 (2,184)	1½	¾	42 (1,067)	0.20 (5)	⅞ (14)	45 (1,143)	3 (76)	3 (76)	N/A	1,150 (522)	5,548 (2,516)
B-2500	48 (1,219)	104 (2,642)	2	¾	42 (1,067)	0.20 (5)	⅞ (14)	46 (1,168)	4 (102)	4 (102)	N/A	1,444 (655)	6,942 (3,148)
B-3000	48 (1,219)	124 (3,150)	2	¾	42 (1,067)	0.20 (5)	⅞ (14)	46 (1,168)	4 (102)	4 (102)	N/A	1,658 (752)	8,255 (3,744)
B-3500	54 (1,372)	111 (2,819)	2	¾	42 (1,067)	0.31 (8)	⅞ (14)	46 (1,168)	4 (102)	4 (102)	N/A	1,868 (847)	9,573 (4,341)
B-4000	60 (1,524)	105 (2,667)	2	¾	54 (1,372)	0.31 (8)	⅞ (14)	58 (1,473)	4 (102)	4 (102)	N/A	2,238 (1,015)	11,043 (5,008)
B-5000	60 (1,524)	128 (3,251)	2	¾	54 (1,372)	0.31 (8)	⅞ (14)	58 (1,473)	4 (102)	4 (102)	N/A	2,617 (1,187)	13,621 (6,177)
B-7500	72 (1,829)	131 (3,327)	3	1	66 (1,676)	0.31 (8)	⅞ (14)	70 (1,778)	4 (102)	4 (102)	N/A	3,768 (1,709)	20,261 (9,189)
B-10000	72 (1,829)	162 (4,115)	3	1	66 (1,676)	0.31 (8)	⅞ (14)	70 (1,778)	4 (102)	4 (102)	N/A	4,628 (2,099)	26,619 (12,072)
B-15000	72 (1,829)	233 (5,918)	3	1	66 (1,676)	0.31 (8)	⅞ (14)	70 (1,778)	4 (102)	4 (102)	N/A	5,925 (2,687)	38,937 (17,659)

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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