

JOB: 103 Church Street - Nanuet - BUY

REPRESENTATIVE: Wallace Eannace Associates, Inc

UNIT TAG:

ENGINEER: Sage Engineering

CONTRACTOR:

ORDER NO.

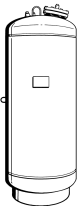
SUBMITTED BY: Alex Curran

APPROVED BY:

DATE: 9/11/2023

DATE:

DATE:



Series "B" (ASME)

Pressurized Expansion Tanks

Vertical

Not For Potable Water Systems

DESCRIPTION

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.

CONSTRUCTION

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 (862kPa)
Design Temperature: 240°F (115°C)

SCHEDULE

PART NUMBER		MODEL NO.	TANK AND ACCEPTANCE VOLUME GALLONS (LITERS)	TAGGING INFORMATION	QUANTITY
PRESSURIZED EXPANSION TANKS	WITH SEISMIC RESTRAINTS				
116550	116923	B-200	53 (200)		
116551	116924	B-300	80 (300)		
116552	116925	B-400	106 (400)		
116553	116926	B-500	132 (500)		
116554	116927	B-600	158 (600)		
116555	116928	B-800	211 (800)	EXP-HS-2-3	2
116556	116929	B-1000	264 (1000)		
116557	116930	B-1200	317 (1200)		
116558	116931	B-1400	370 (1400)		
116559	116932	B-1600	422 (1600)		
116560	116933	B-2000	528 (2000)		
116793	116934	B-2500	660 (2500)		
116794	116935	B-3000	792 (3000)		
116795	116936	B-3500	925 (3500)		
116796	116937	B-4000	1057 (4000)		
116819	116938	B-5000	1321 (5000)		
116841	116939	B-7500	1980 (7500)		
116842	116940	B-10000	2640 (10000)		
116843	116941	B-15000	3963 (15000)		

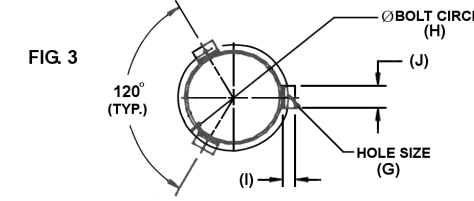
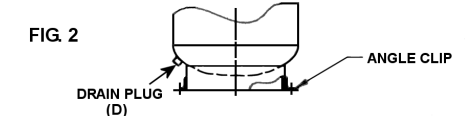
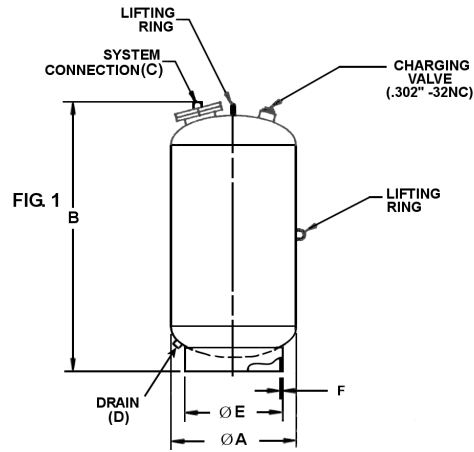
TYPICAL SPECIFICATION

Furnish and install as shown on plans a _____ gallon (_____ liter) _____" (_____ mm) diameter x _____" (_____ mm) high pre-charged steel expansion tank with replaceable heavy duty Butyl rubber bladder. The tank shall have a _____" NPT system connection, _____" NPT drain, 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 shall be fitted with lifting rings and a floor mounting skirt for vertical installation.

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)

Allow a minimum of 18"(457.2mm) clearance for system piping.

Sight glass and seismic restraints available on request.

Tanks can be installed in the horizontal position with the system connection located below the horizontal centerline of the tank.

OPTIONAL SEISMIC RESTRAINTS (FIG.2 & 3) –
DIMENSIONS IN INCHES (MM)

TANK DIAMETER	G	H	I	J
24"	9/16 (14)	21 (533)	2 (51)	2 (51)
30"	7/8 (22)	28 (711)	4 (102)	4 (102)
36"	7/8 (22)	34 (864)	4 (102)	4 (102)
48"	7/8 (22)	46 (1168)	4 (102)	4 (102)
54"	7/8 (22)	46 (1168)	4 (102)	4 (102)
60"	7/8 (22)	46 (1168)	4 (102)	4 (102)
72"	1 (25)	58 (1473)	4 (102)	4 (102)

DIMENSIONS IN INCHES (MM) AND WEIGHTS IN LBS. (KG) (FIG. 1)

PART NUMBER		MODEL NUMBER	A	B	C NPTF	D	E	F	APPROX. SHPG. WT.	APPROX. WT* 100% FULL
PRESSURIZED EXPANSION TANKS	WITH SEISMIC RESTRAINTS									
116550	116923	B-200	24 (610)	36-7/8 (936)	1	3/4	19 (483)	3/16 (5)	192 (87)	629 (285)
116551	116924	B-300	24 (610)	50-7/8 (1292)	1	3/4	19 (483)	3/16 (5)	268 (122)	928 (421)
116552	116925	B-400	24 (610)	64-3/4 (1644)	1	3/4	19 (483)	3/16 (5)	309 (140)	1184 (537)
116553	116926	B-500	24 (610)	78 (1981)	1	3/4	19 (483)	3/16 (5)	328 (149)	1417 (643)
116554	116927	B-600	30 (762)	63-3/4 (1619)	1-1/2	1	24 (610)	3/16 (5)	510 (232)	1814 (823)
116555	116928	B-800	30 (762)	81-3/4 (2076)	1-1/2	1	24 (610)	3/16 (5)	656 (297)	2306 (1046)
116556	116929	B-1000	36 (914)	73 (1854)	1-1/2	1-1/4	30 (762)	3/16 (5)	691 (313)	2869 (1301)
116557	116930	B-1200	36 (914)	85-3/8 (2169)	1-1/2	1-1/4	30 (762)	3/16 (5)	779 (353)	3394 (1539)
116558	116931	B-1400	36 (914)	97-3/4 (2483)	1-1/2	1-1/4	30 (762)	3/16 (5)	905 (410)	3958 (1795)
116559	116932	B-1600	48 (1219)	69-1/8 (1756)	1-1/2	1-1/2	42 (1067)	1/4 (6)	1183 (537)	4665 (2116)
116560	116933	B-2000	48 (1219)	84 (2145)	1-1/2	1-1/2	42 (1067)	1/4 (6)	1264 (573)	5620 (2549)
116793	116934	B-2500	48 (1219)	100-7/8 (2562)	2	1-1/2	42 (1067)	1/4 (6)	1445 (655)	6890 (3125)
116794	116935	B-3000	48 (1219)	118-1/8 (2562)	2	1-1/2	42 (1067)	1/4 (6)	1630 (739)	8164 (3703)
116795	116936	B-3500	54 (1372)	111 (2820)	2	1-1/2	42 (1067)	1/4 (6)	2110 (957)	9741 (4418)
116796	116937	B-4000	54 (1372)	124-1/2 (3163)	2	1-1/2	42 (1067)	1/4 (6)	2230 (1011)	10950 (4967)
116819	116938	B-5000	60 (1524)	128 (3251)	2	1-1/2	42 (1067)	1/4 (6)	2450 (1111)	13403 (6079)
116841	116939	B-7500	72 (1829)	127 (3326)	3	1-1/2	54 (1372)	3/8 (10)	4000 (1814)	20500 (9299)
116842	116940	B-10000	72 (1829)	159 (4039)	3	1-1/2	54 (1372)	3/8 (10)	4900 (2223)	26890 (12197)
116843	116941	B-15000	72 (1829)	233 (5918)	3	1-1/2	54 (1372)	3/8 (10)	6000 (2721)	39010 (17695)

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

* Approximate weight 100% full occurs if bag fails or if air charge is lost.

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