THE JOHN WOOD COMPANY

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SUBMITTAL

Form 615

Job Name:		
Job No:	JWC Representative:	
Tag No.:	Submitted By:	Date:
Engineer:	Approved By:	Date:
Contractor:	Order No.:	Date:

JBER Series

ASME Bladder Type Expansion Tanks With Top Connection / Type I Not for Potable Water Systems

APPLICATION

- JBER Series precharged bladder type expansion tanks are designed to absorb the expansion forces of heating or cooling system water to maintain the proper system pressurization.
- By holding the system water in the replaceable bladder, the JBER Series tanks eliminate problems such as tank corrosion and water-logging.

DESIGN PRESSURE AND TEMPERATURE

- Maximum design pressure:
  JBER-25-011 to 018: 125 PSI (862 kPa)
- 150. 175, 200, 250 & 300 PSI available upon request
- Maximum design temperature: 240°F (115°C)

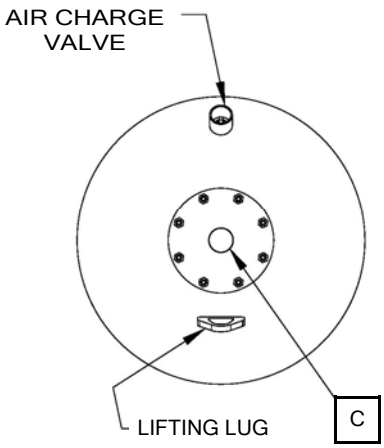
TYPICAL DESIGN SPECIFICATION

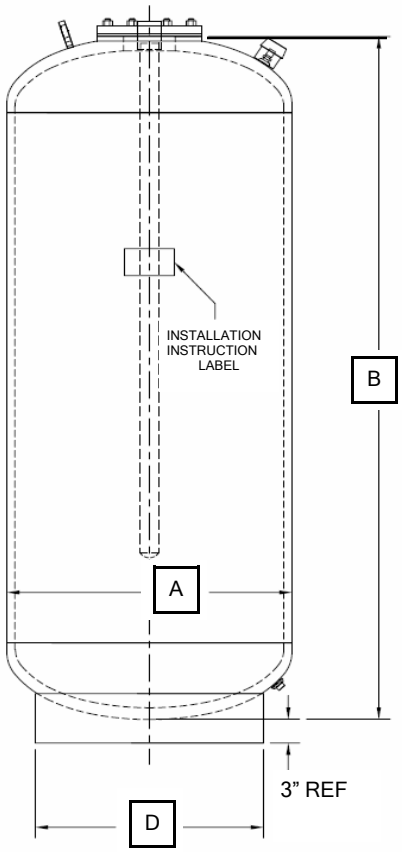
Furnish and install as shown on plans John Wood Model No. JBER-25-_____ (_____ gallon / _____ liter) ASME precharged vertical steel expansion tank with replaceable heavy duty butyl rubber bladder. The tank shall have a top mounted ___" FNPT system connection and a charging valve connection (Schrader valve) with full guard to facilitate on-site charging of the tank to meet system requirements. The tank shall be fitted with a lifting lug and base designed for vertical installation. The tank must be designed and constructed in accordance with the ASME Boiler and Pressure Vessel Code Section VIII, Division 1, with a stamped MAWP of 125 PSI (862 kPa) and a maximum design temperature of 240°F (115°C).

SPECIFICATIONS

- Designed and built in accordance with the ASME BPV Code Section VIII, Division 1
- Installation: vertical
- Shell: Carbon Steel with exterior gray primer finish
- System connection: FNPT top mounted forged steel with galvanized flow tube
- Replaceable bladder: high quality butyl rubber
- Full acceptance bladder
- Maximum acceptance is approximately 90% of the tank capacity
- Suitable for use in systems containing glycol
- Air charge valve: ¼" Schrader charging valve top mounted with protective guard
- Maximum precharge pressure with standard flow tube: 80 PSI (optional high precharge flow tube is required for precharge pressures above 80 PSI – not included with the standard design)
- Standard factory precharge: 12 PSI

JBER Series / Type I





OPTIONS
☐ High Precharge Flow Tube (required for pre-charge pressures above 80 PSI)
☐ California Code Sight Glass
☐ Seismic Design

MODEL NUMBER	MAWP	TANK VOLUME		A DIAMETER		B OVERHEADS		C SYS CONN	D BASE DIAMETER		TANK WEIGHT	
	PSIG	GAL	L	IN	MM	IN	MM	INCH (FNPT)	IN	MM	LBS	KG
*JBER-25-011	125	158	600	30	762	58	1473	1½	24	610	380	173
*JBER-25-012	125	211	800	30	762	76¾	1950	1½	24	610	450	204
*JBER-25-013	125	264	1000	36	914	67	1702	2	30	762	650	295
*JBER-25-014	125	317	1200	36	914	78½	1994	2	30	762	750	341
*JBER-25-015	125	370	1400	36	914	91	2311	2	30	762	865	392
*JBER-25-016	125	422	1600	48	1219	63½	1613	2	42	1067	1050	476
*JBER-25-017	125	528	2000	48	1219	77⅜	1965	2	42	1067	1225	556
JBER-25-018	125	660	2500	48	1219	94	2388	2	42	1067	1435	651

Dimensions are approximate and subject to change
Dimensions should not be used for pre-piping
Weights are approximate
*Stock model