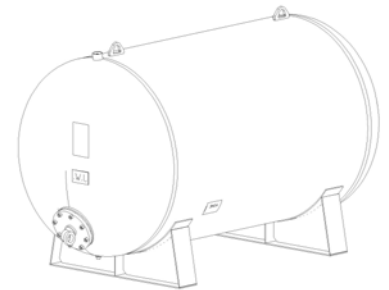


Job Name:		
Job No:	JWC Representative:	
Tag No.:	Submitted By:	Date:
Engineer:	Approved By:	Date:
Contractor:	Order No.:	Date:

JHER Series

ASME Bladder Type Expansion Tanks Horizontal / Type I Not For Potable Water Systems



APPLICATION

- JHER 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 JHER Series tanks eliminate problems such as tank corrosion and water-logging.

DESIGN PRESSURE AND TEMPERATURE

- Maximum design pressure:
JHER-25-011 to 019: 125 PSI (862 kPa)
- 150, 175, 200, 250, 300 PSI available upon request
- Maximum design temperature: 240°F (115°C)

TYPICAL DESIGN SPECIFICATION

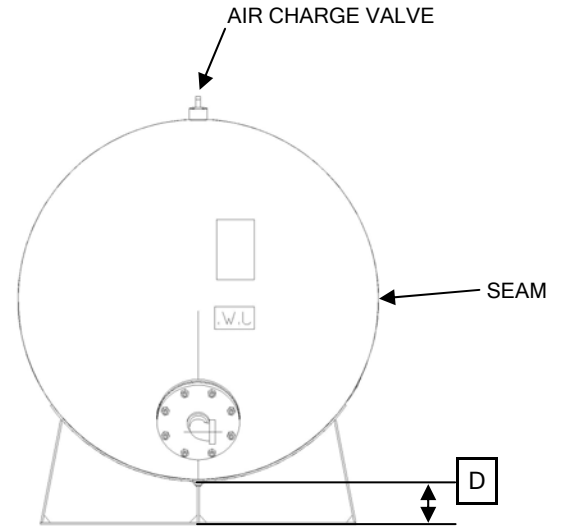
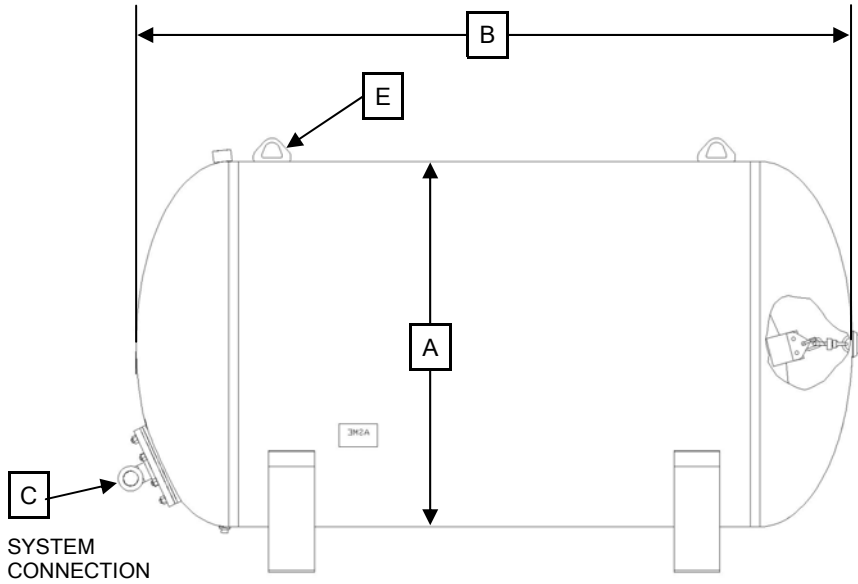
Furnish and install as shown on plans a John Wood Model No. JHER-25-_____ (_____ gallon / _____ liter) ASME precharged horizontal steel expansion tank with replaceable heavy-duty butyl rubber bladder. The tank shall have a _____" FNPT system connection and a charging valve connection (Schrader valve) with full guard to facilitate on-site charging of the tank to meet system requirements. The tank shall be fitted with lifting rings and saddles designed for horizontal 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: horizontal
- Shell: Carbon Steel with exterior gray primer finish
- System connection: FNPT forged steel
- Replaceable bladder: high quality butyl rubber
- Full acceptance bladder
- Maximum acceptance volume 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



JHER Series / Type I



OPTIONS

- California Code Sight Glass
- Seismic Design
- Saddles

*Saddles included on 48" Diameter tanks and above

MODEL NUMBER	MAWP	TANK VOLUME		A DIAMETER		B OVERHEADS		C SYS CONN	D DIM*	E LUGS	TANK WEIGHT	
		PSIG	GAL	L	IN	MM	IN				MM	INCH (FNPT)
JHER-25-011	125	158	600	30	762	58	1473	2	4	NA	400	181
JHER-25-012	125	211	800	30	762	76	1930	2	4	NA	470	213
JHER-25-013	125	264	1000	36	914	67	1702	2	4	2	650	295
JHER-25-014	125	317	1200	36	914	78½	1994	2	4	2	750	340
JHER-25-015	125	370	1400	36	914	91	2311	2	4	2	865	392
JHER-25-016	125	422	1600	48	1219	63½	1613	2	6	2	1150	522
JHER-25-017	125	528	2000	48	1219	77¼	1962	2	6	2	1300	590
JHER-25-018	125	660	2500	48	1219	94	2388	2	6	2	1490	677
JHER-25-019	125	793	3000	48	1219	123¾	3127	2	6	2	1810	822

Larger sizes available upon request
 Dimensions are approximate and subject to change
 Dimensions should not be used for pre-piping
 Weights are approximate
 *Stock model

