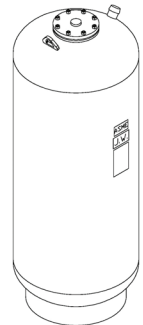


Job Name:		
Job No:	JWC Representative:	
Tag No.:	Submitted By:	Date:
Engineer:	Approved By:	Date:
Contractor:	Order No.:	Date:

JBPR Series

ASME Bladder Type Hydro-Pneumatic Tanks With Top Connection / Type I For Potable Water Systems



APPLICATION

- Hydro-pneumatic tanks help protect the pump and pressure switches against short cycling.
- The tanks are designed to deliver water under pressure between pump cycles to meet demand.
- JBPR Series tanks improve the system operation and extend the pump motor service life by reducing surge pressures, dampening pressure spikes, and minimizing pump run-times.

DESIGN PRESSURE AND TEMPERATURE

- Maximum design pressure:
JBPR-22-011 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

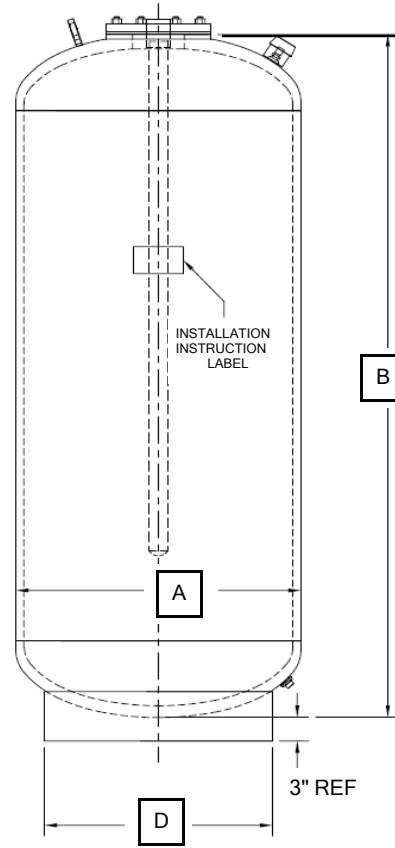
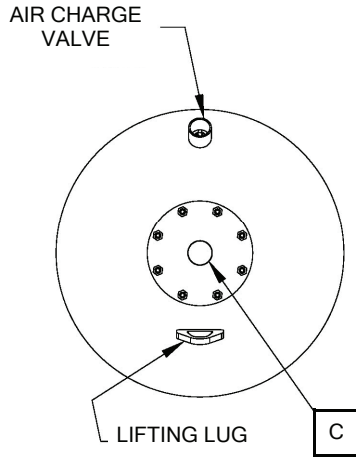
Furnish and install as shown on plans John Wood Model No. JBPR-22-_____ (_____ gallon / _____ liter) ASME pre-charged vertical steel hydro-pneumatic tank with replaceable heavy duty butyl rubber bladder. The tank shall have a top mounted _____" SS FNPT system connection and a charging valve connection (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 I, 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 Stainless Steel coupling
- Replaceable bladder: high quality butyl rubber, NSF/ANSI Standard 61 bladders are available
- Full acceptance bladder
- Maximum acceptance volume is approximately 90% of the tank capacity
- 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



JBPR 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
*JBPR-22-011	125	158	600	30	762	58	1473	1½	24	610	380	172
*JBPR-22-012	125	211	800	30	762	76	1930	1½	24	610	450	204
*JBPR-22-013	125	264	1000	36	914	67	1702	2	30	762	650	295
*JBPR-22-014	125	317	1200	36	914	78½	1994	2	30	762	750	340
*JBPR-22-015	125	370	1400	36	914	91	2311	2	30	762	865	392
*JBPR-22-016	125	422	1600	48	1219	63½	1613	2	42	1067	1050	476
*JBPR-22-017	125	528	2000	48	1219	77¼	1962	2	42	1067	1225	556
JBPR-22-018	125	660	2500	48	1219	94	2388	2½	42	1067	1435	651

Dimensions are subject to change
Weights are approximate
*Stock model

