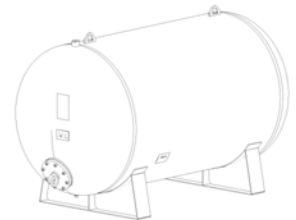




| | | |
|-------------|---------------------|-------|
| Job Name: | | |
| Job No: | JWC Representative: | |
| Tag No.: | Submitted By: | Date: |
| Engineer: | Approved By: | Date: |
| Contractor: | Order No.: | Date: |

JHPR Series

ASME Bladder Type Hydro-Pneumatic Tanks Horizontal / 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.
- JHPR 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: 125 PSI (862 kPa)
- 150, 175, 200, 250, 300 PSI available upon request
- Maximum design temperature: 240°F (115°C)

TYPICAL DESIGN SPECIFICATION

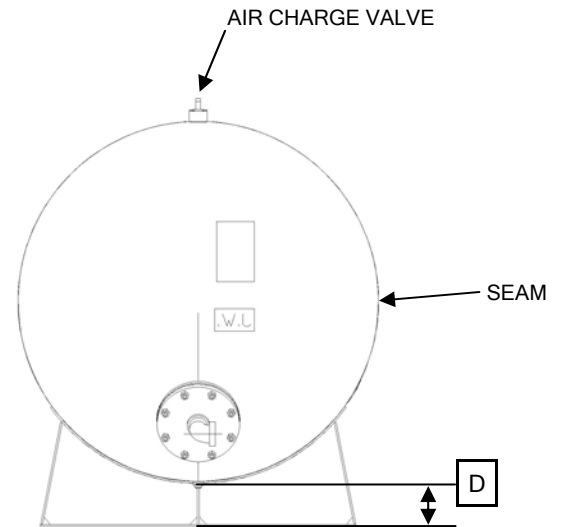
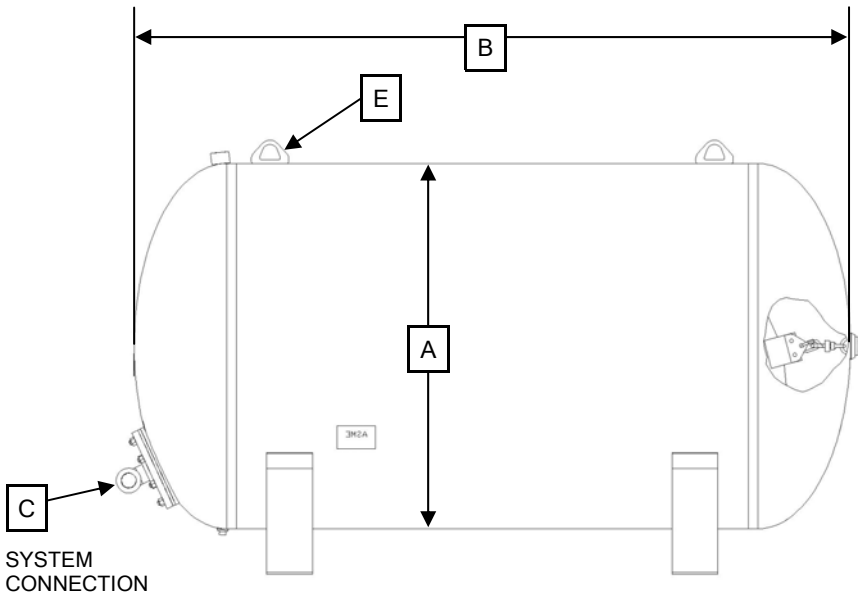
Furnish and install as shown on plans John Wood Model No. JHPR-22-_____ (_____ gallon / _____ liter) ASME pre-charged horizontal steel hydro-pneumatic tank with replaceable heavy-duty butyl rubber bladder. The tank shall have a _____" SS FNPT system connection and a charging valve connection (Schrader valve) with full guard to facilitate on-site charging of the tank to meet system requirements. The tank shall be fitted with lifting lugs 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 Stainless Steel
- 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: 80 PSI (optional high precharge flow tube is required for precharge pressures above 80 PSI)
- Standard factory precharge: 12 PSI



JHPR Series / Type I



| OPTIONS | |
|--------------------------|-----------------------------|
| <input type="checkbox"/> | California Code Sight Glass |
| <input type="checkbox"/> | Seismic Design |
| <input type="checkbox"/> | Saddles |

| 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

