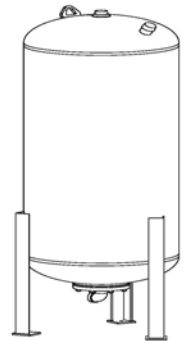


Job Name: _____		
Job No.: _____	JWC Representative: _____	
Tag No.: _____	Submitted By: _____	Date: _____
Engineer: _____	Approved By: _____	Date: _____
Contractor: _____	Order No.: _____	Date: _____

JOPR Series

ASME Bladder Type Hydro-Pneumatic Tanks With Bottom Connection/Type 1 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.
- JOPR 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: 200 PSI (1379 kPa)
- Maximum design temperature: 240°F (115°C)

TYPICAL DESIGN SPECIFICATION

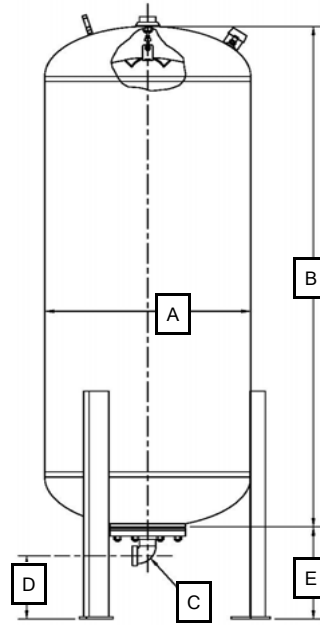
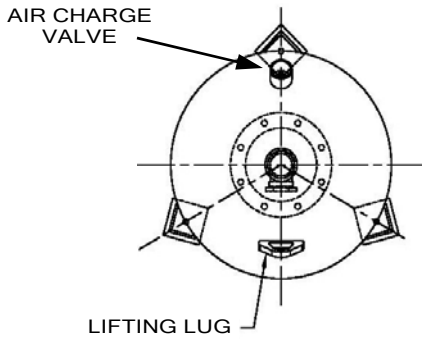
Furnish and install as shown on plans John Wood Model No. JOPR-22-_____ (_____ gallon / _____ liter) ASME pre-charged vertical steel hydro-pneumatic tank with a replaceable heavy-duty butyl rubber bladder. The tank shall have a bottom mounted _____" FNPT galvanized system connection and a charging valve 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 angle type legs 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 200 PSI (1379 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 bottom mounted Stainless Steel coupling with galvanized malleable iron elbow
- Replaceable bladder: high quality butyl rubber, NSF/ANSI Standard 61 bladders are available upon request
- 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
- Standard factory precharge: 12 PSI



JOPR Series / Type I



OPTIONS

- California Code Sight Glass
- Seismic Design

MODEL NUMBER	MAWP	TANK VOLUME		A DIAMETER		B OVERHEADS		C SYS CONN	D DIM		E DIM		TANK WEIGHT	
		PSIG	GAL	L	IN	MM	IN	MM	IN (FNPT)	IN	MM	IN	MM	LBS
JOPR-22-480	200	80	300	20	508	62½	1597	2	9⅝	245	14	356	320	145
JOPR-22-405	200	105	400	24	610	56	1422	2	9⅝	245	14	356	375	170
JOPR-22-409	200	120	450	24	610	66	1676	2	9⅝	245	14	356	415	188
JOPR-22-435	200	135	500	24	610	71½	1816	2	9⅝	245	14	356	490	222
JOPR-22-411	200	158	600	30	762	58	1473	2	9⅝	245	14	356	625	284
*JOPR-22-186	200	185	700	30	762	68	1727	2	9⅝	245	14	356	675	306
JOPR-22-412	200	211	800	30	762	76	1930	2	9⅝	245	14	356	770	350
JOPR-22-413	200	264	1000	36	914	67	1702	2	9⅝	245	14	356	825	375
JOPR-22-414	200	317	1200	36	914	78½	1994	2	9⅝	245	14	356	925	420
JOPR-22-415	200	370	1400	36	914	91	2311	2	9⅝	245	14	356	1050	477
JOPR-22-416	200	422	1600	48	1219	63½	1613	2	9⅝	245	14	356	1450	658
JOPR-22-417	200	528	2000	48	1219	77½	1965	2	9⅝	245	14	356	1675	760
JOPR-22-418	200	660	2500	48	1219	94	2388	2	9⅝	245	14	356	1960	890
JOPR-22-419	200	793	3000	48	1219	122½	3121	2	9⅝	245	14	356	2425	1100
JOPR-22-420	200	1056	4000	54	1372	132	3429	2½	7⅝	187	14	356	3900	1771
JOPR-22-421	200	1320	5000	54	1372	151	3835	2½	7¼	184	14	356	4260	1934
JOPR-22-422	200	1600	6050	72	1829	107	2718	2½	7¼	184	14	356	5500	2497
JOPR-22-423	200	2000	7600	72	1829	130	3302	2½	7¼	184	14	356	7000	3178
JOPR-22-424	200	2640	10000	72	1829	164	4166	2½	7¼	184	14	356	8000	3632
JOPR-22-428	200	2800	10600	72	1829	174	4420	3	8⅝	213	14	356	8500	3859
JOPR-22-430	200	3000	11400	72	1829	186	4724	3	7¼	184	14	356	9250	4200
JOPR-22-439	200	3963	15000	72	1829	230	5842	3	7¼	184	14	356	10500	4767

Dimensions are subject to change
Weights are approximate
*Stock model

