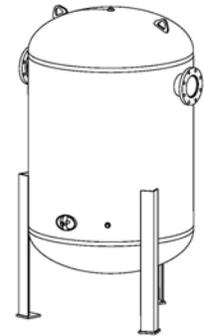


Job Name:		
Job No.:	JWC Representative:	
Tag No.:	Submitted By:	Date:
Engineer:	Approved By:	Date:
Contractor:	Order No.:	Date:

JBTR Series

ASME Chilled Water Buffer Tanks With Center Baffle Plate For Chilled Water Systems



APPLICATION

- JBTR Series chilled water buffer tanks are designed to ensure that sufficient water volume is available to maintain optimum temperature control in a closed loop chilled water system. By adding the proper amount of system water, the source temperature can be reached quickly, and the chiller compressor will not short cycle.
- With the inlet connection located at the top of the side wall, the water entering the tank is diffused by the center baffle plate. Separated air is vented out of the top of the tank. The heavier air-free water moves to the bottom of the tank and exits through the outlet connection.

DESIGN PRESSURE AND TEMPERATURE

- Maximum design pressure: 125 PSI (862 kPa)
- 150, 175, 200, 250 & 300 PSI available upon request
- Maximum design temperature: 650°F (343°C)

TYPICAL DESIGN SPECIFICATION

Furnish and install as shown on plans a John Wood Model No. JBTR-____ - _____ (____ gallon / _____ liter) ASME code stamped Chilled Water Buffer Tank. The tank shall have _____ flanged / FNPT / grooved-end pipe system inlet and outlet connections. The tank shall be fitted with a center baffle plate and FNPT vent and drain connections on the top and bottom. The unit 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 650°F (343°C).

SPECIFICATIONS

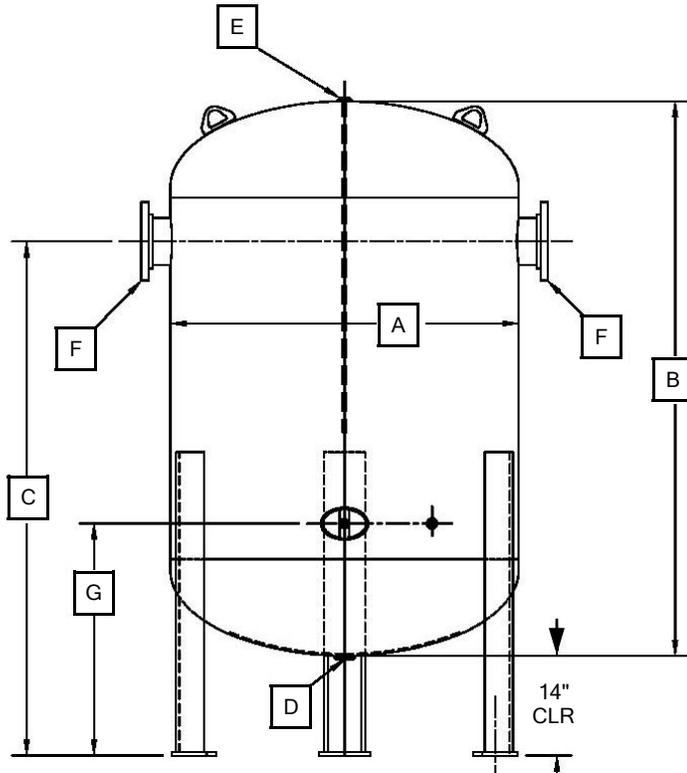
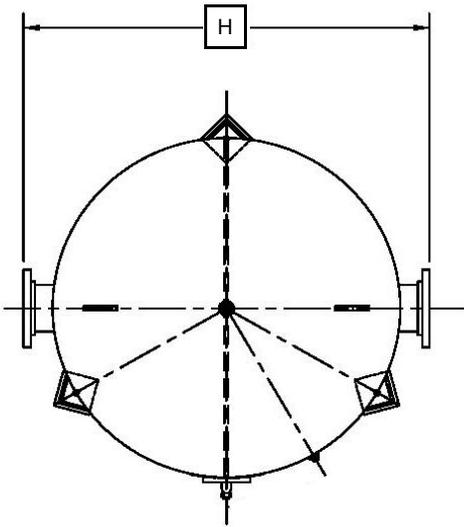
- Designed and built in accordance with the ASME BPV Code Section VIII, Division 1
- Installation: vertical
- Shell: Carbon Steel with exterior gray primer finish
- Center baffle plate: Carbon Steel
- Inlet/outlet connections: FNPT, flanged, or grooved-end pipe
- Vent and drain connections: FNPT
- Standard angle legs provide 14" clearance from the bottom of the head to the floor
- Standard 60 through 400 gallon tanks include one (1) 2" NPT inspection opening with plug
- Standard 528, 850, and 1040 gallon tanks include one (1) 4" x 6" handhole inspection opening

AVAILABLE OPTIONS

- 12" x 16" manhole opening
- Factory installed flexible, elastomeric thermal insulation – nominal thicknesses of ½", ¾", 1", 2"
- Factory applied protective white semi-gloss finish for use over insulation – suitable for indoor and outdoor applications



JBTR Series



OTHER CONNECTIONS AND TANK SIZES AVAILABLE UPON REQUEST

MODEL NUMBER	MAWP		TANK VOLUME		A DIAMETER		B OVER-HEADS		C DIM	D DRAIN	E VENT	F INLET/OUTLET	G DIM	H DIM	TANK WEIGHT	
	PSIG	GAL	L	IN	MM	IN	MM	IN	IN	IN	IN	IN	IN	LBS	KG	
JBTR-22-060	125	60	227	20	508	50	1270	53½	1	¾	3 (FNPT)	23¼	22	165	75	
JBTR-22-080	125	80	303	24	610	48	1219	51	1	¾	3 (FNPT)	24¾	26	240	109	
*JBTR-22-130	125	130	500	24	610	71¾	1822	75	1	¾	3 (FNPT)	24¾	26	345	157	
*JBTR-22-210	125	210	800	30	762	76¾	1949	78¾	1	¾	3 (FLG)	26½	38	525	238	
*JBTR-24-300	125	300	1100	36	914	71½	1816	69¾	1	¾	4 (FLG)	28¾	44	710	322	
*JBTR-24-400	125	400	1500	36	914	93½	2375	91¾	1½	¾	4 (FLG)	28¾	44	840	381	
*JBTR-24-528	125	528	2000	48	1219	77¾	1965	71¾	1½	¾	6 (FLG)	32½	56	1325	602	
JBTR-24-850	125	850	3200	54	1372	96	2438	88¾	1½	¾	6 (FLG)	33¾	62	1950	885	
JBTR-24-040	125	1040	4000	60	1524	96	2438	85½	1½	¾	8 (FLG)	36¼	70	2365	1072	

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

