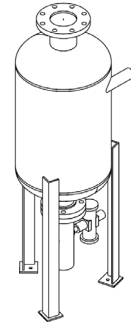


Job Name:		
Job No:	JWC Representative:	
Tag No.:	Submitted By:	Date:
Engineer:	Approved By:	Date:
Contractor:	Order No.:	Date:

JBCR Series

ASME Blowdown Condensate Cooler Tanks With Tangential Inlet Connection For Handling Hot Condensate



APPLICATION

- JBCR Series condensate cooler tanks are designed with tangential inlets to enhance the steam and condensate separation efficiency. The vortex action allows the hot condensate to move to the vessel wall area while forcing the flash steam to the center.
- Flash steam exits the vessel through the vent connection on top, and the hot condensate falls to the bottom, activating the thermal control valve.
- A temperature regulating valve feeds cold water into the drain piping to reduce the temperature of the hot condensate, making it acceptable for discharge into sewer lines.

DESIGN PRESSURE AND TEMPERATURE

- Maximum design pressure: 150 PSI (1034 kPa)
- Maximum design temperature: 500°F (260°C)

TYPICAL DESIGN SPECIFICATION

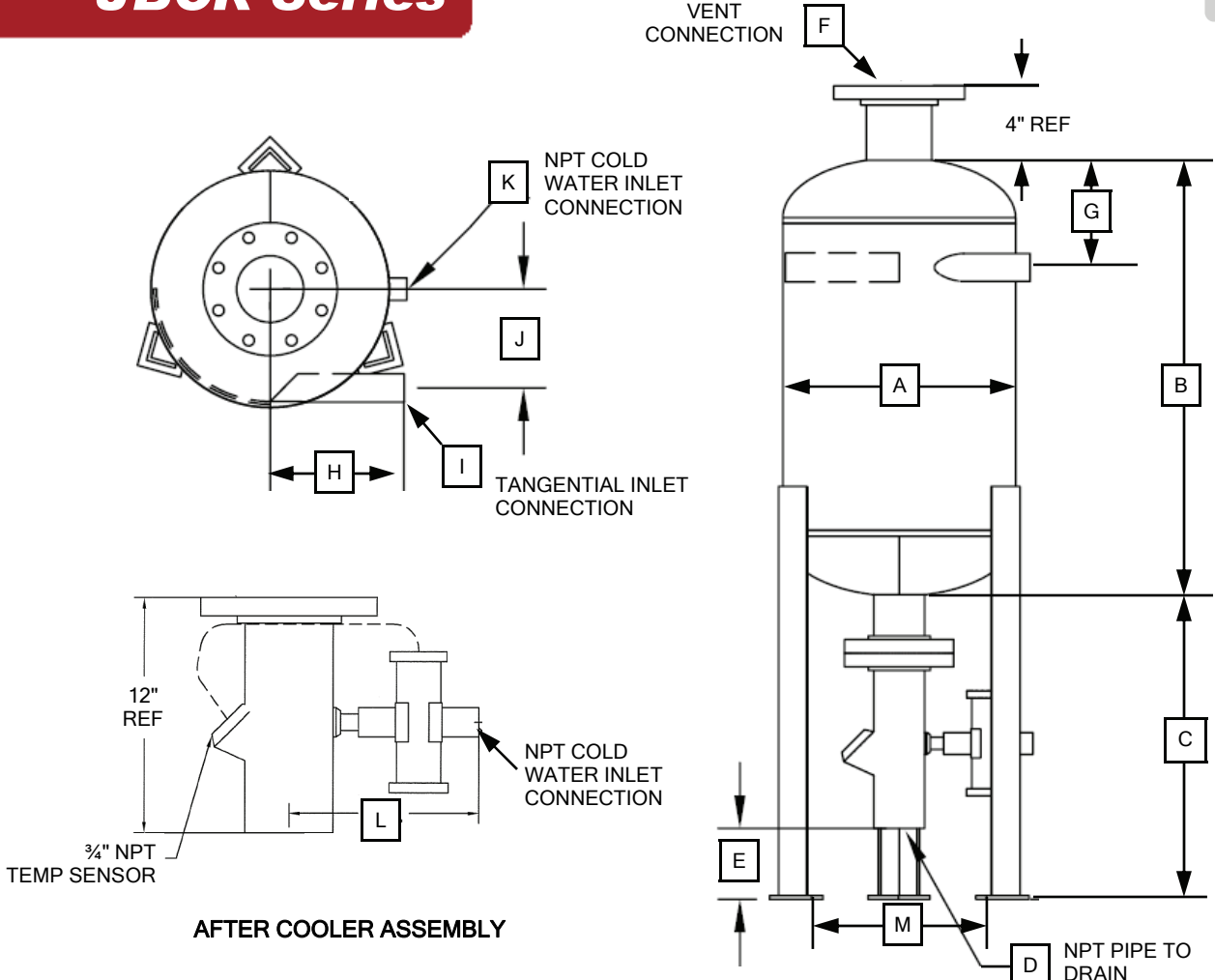
Furnish and install as shown on plans a John Wood Model No. JBCR-26-_____ ASME stamped vertical blowdown condensate cooler tank with tangential inlet connection and Stainless Steel wear plate. The unit shall have a _____" MNPT/flanged tangential inlet connection and _____" NPT/flanged vent connection. An after cooler assembly with factory supplied outlet piping, temperature regulating valve, check valve, and temperature indicator shall be provided to facilitate the temperature reduction of the hot condensate. The unit must be designed and constructed in accordance with the ASME Boiler and Pressure Vessel Code Section VIII, Division I with a stamped MAWP of _____ PSI (_____ kPa).

SPECIFICATIONS

- Designed and built in accordance with the ASME BPV Code Section VIII, Division I
- Installation: vertical
- Shell: Carbon Steel with exterior gray primer finish
- Wear plate: Stainless Steel, 1/8" thick
- Tangential inlet connection: MNPT or 150# RF ANSI flange
- Vent connection: NPT or 150# RF ANSI flange
- Drain connection: MNPT or straight pipe
- Cold water inlet connection: NPT HC
- Optional factory installed bracket supports can be welded to the side wall.
- Angle legs can be supplied to match existing units.
- The optional after cooler assembly includes the outlet piping, temperature regulating valve, check valve, and temperature indicator.



JBCR Series



AFTER COOLER ASSEMBLY

INLET CONNECTION OPTIONS	VENT CONNECTION OPTIONS	DRAIN CONNECTION OPTIONS
<input type="checkbox"/> 1", 1¼", 1½", 2", 2½, or 3"	<input type="checkbox"/> 2", 2½, 3", 4", 5", 6", 8"	<input type="checkbox"/> 2", 2½, 3", 4", 5", 6", 8"
<input type="checkbox"/> NPT	<input type="checkbox"/> NPT	<input type="checkbox"/> NPT
<input type="checkbox"/> 150# RF ANSI Flange	<input type="checkbox"/> 150# RF ANSI Flange	<input type="checkbox"/> 150# RF ANSI Flange

MODEL NUMBER	MAWP	A DIA		B OVER-HEADS		C DIM	D DRAIN*	E DIM	F VENT*	G DIM	H DIM	I INLET*	J DIM	K DIM	L DIM	M BOLT CIRCLE	EST WGT
		IN	MM	IN	MM												
JBCR-26-001	150	12	305	19½	495	24	2½	6¼	2½	8	8	1	5⅞	½	9¼	12¼	40
JBCR-26-003	150	14	356	27½	699	26	3	4⅞	2½	9	9	1½	6¾	¾	9¼	14	85
JBCR-26-004	150	14	356	39	991	26	3	4⅞	3	9	9	2	6¾	¾	9¼	14	105
JBCR-26-005	150	16	406	38	965	28	4	4⅞	4	10	9	2	6¾	¾	9¼	16	130
JBCR-26-006	150	16	406	46	1168	28	4	4⅞	6	10	9	2½	6¾	¾	9¼	16	220
JBCR-26-008	150	24	610	48	1219	30	6	7¼	8	12	14	3	9⅞	1	9¼	24¾	395

*Connection sizes shown for standard part numbers. Dimensions are subject to change. Shipping weights are approximate.

