



JC Series Flash Condensate Cooler and Flash Steam Condenser

Description

The JC Series is particularly suited for light loads and where the installation of a condensate return system is impractical. The condensate cooler and flash condenser is designed to collect condensate from the humidifiers and safely discharge it to the drain, at a temperature that complies with local regulations.

Condensate is piped into the tank through one of three connections. Separate pressurized and non-pressurized condensate returns into individual connections

A water sensor takes the condensate temperature and regulates the cold-water flow through the valve. Cold water will be sprayed through the spiral discharge nozzle into the tank to eliminate flash steam and reduce the condensate temperature to the desired discharge set point.

Available types

JC210-FCC315R-10 - 10 USGPM @ 300 °F

With water flow of 26 USGPM @ 60 psi - Maximum 50 °F
Detail drawing # HAS-4216

JC320-FCC316R-20 - 20 USGPM @ 300 °F

With water flow of 50 USGPM @ 50 psi - Maximum 50 °F
Detail drawing # HAS-4224

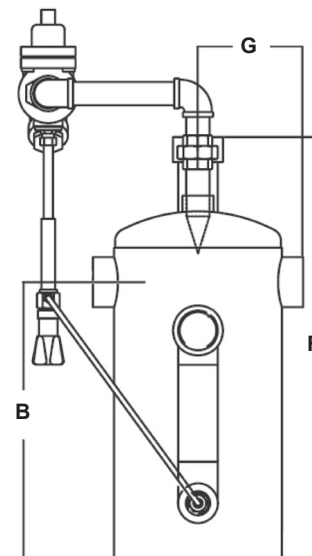
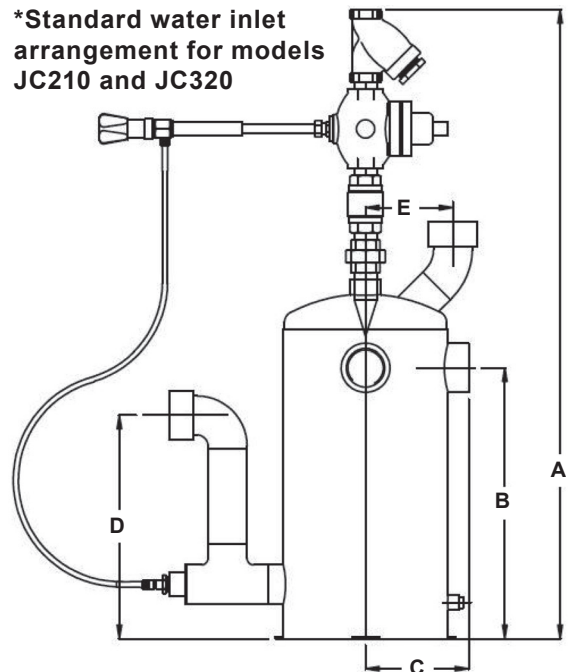
JC440-FCC316R-40 - 40 USGPM @ 300 °F

With water flow of 100 USGPM @ 50 psi - Maximum 50 °F
Detail drawing # HAS-4225

Dimensions (approximate) in inches

Size	A	B	C	D	E	F	G
JC210-FCC316R-10	35	15.5	6.5	12	4.5	24	6.5
JC320-FCC316R-20	48.5	20	7.5	16.5	6.5	26.5	7.5
JC440-FCC316R-40	30	20	12	16	5	40	12

***Standard water inlet arrangement for models JC210 and JC320**

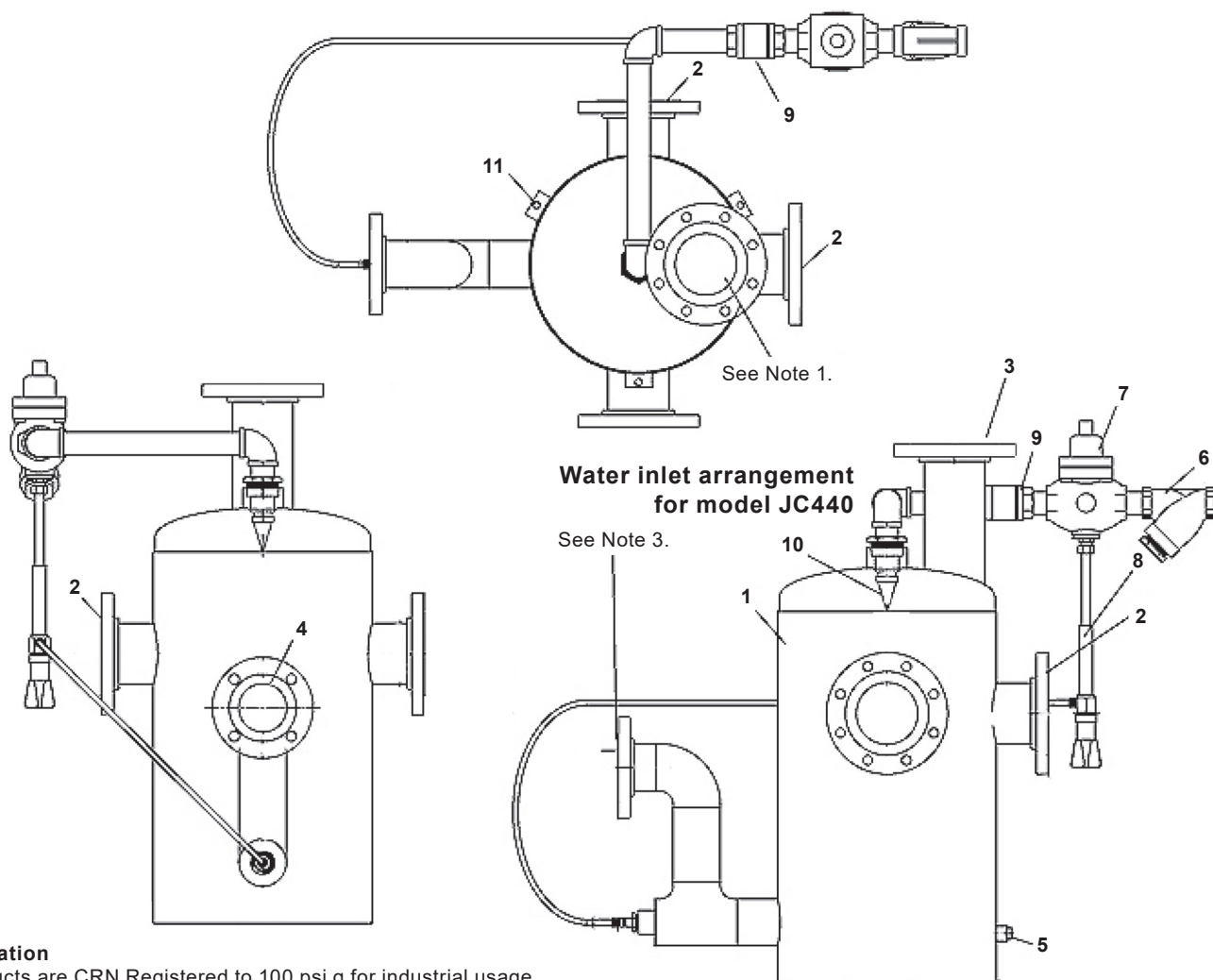


***Alternate water inlet arrangement for models JC210 and JC320**

Components

No.	Component	JC210	JC320	JC440
1	Condensate cooler body	316L SS	316L SS	316L SS
2	Condensate inlet	2" NPT	2½" NPT	4" ANSI 150-RF
3	Vent connection	2" NPT	2½" NPT	4" ANSI 150-RF
4	Condensate outlet	2" NPT	2½" NPT	3" ANSI 150-RF
5	Drain connection (plugged)	½" NPT	½" NPT	½" NPT
6	Strainer	¾" NPT	1¼" NPT	1¼" NPT
7	Control valve	¾" SBRA	1¼" KY51	1¼" KY51
8	Sensor	422	422	422
9	Check valve	Optional	Optional	Optional
10	Spray nozzle	Spiral nozzle	Spiral nozzle	Spiral nozzle
11	Lag holes	⅜" Ø	⅜" Ø	⅜" Ø

- Notes**
1. Size vent to suit site requirements
 2. Size outlet piping to suit site requirements.
 3. All connecting pipe work **must** be independently supported.



Certification

All products are CRN Registered to 100 psi g for industrial usage.