

JOB:
REPRESENTATIVE:

UNIT TAG:

ORDER NUMBER:

DATE:

ENGINEER:

SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



CRSN-HV

Coalescing medium style air & sediment separator with non-removable head for high velocity applications

DESCRIPTION

The Bell & Gossett CRSN-HV is a combination air & sediment separator that utilizes a coalescing medium to remove impurities from high velocity HVAC systems. It features a stainless steel coalescing medium with 58% open area, non-removable end cover, and connections for an air vent, blow down valve, and skim valve. The product is designed, constructed, inspected and stamped per ASME Section VIII, Division 1.

CONSTRUCTION MATERIALS

Shell: Carbon Steel

Coalescing Medium: Stainless Steel

OPERATING DATA*

Max Working Pressure: 150 psig (1,034 kPa)

Max Temperature: 450°F (232°C)

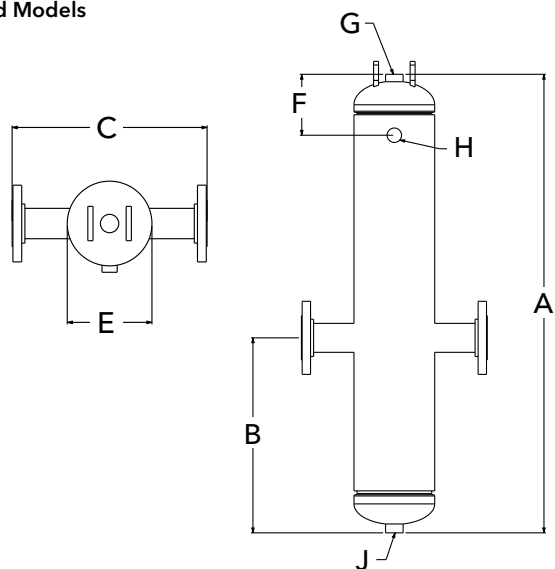
Min Temperature: -20°F (-29°C)

* Consult factory for higher working pressures or temperatures.

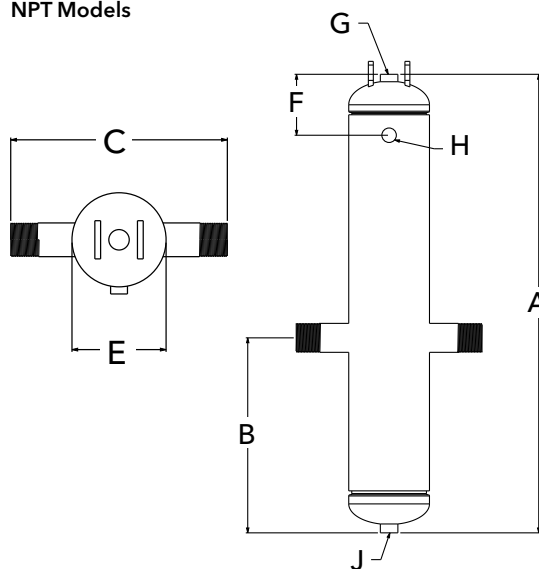
SCHEDULE

PART NUMBER	MODEL NUMBER	INLET/OUTLET CONNECTION	RECOMMENDED CAPACITY IN GPM (M ³ /HR)	TAGGING INFORMATION	QUANTITY
5335-02N-15-002	CRSN-2N-HV	2" NPT Male	105 (24)		
5335-02F-15-002	CRSN-2F-HV	2" Flanged	105 (24)		
5335-02G-15-002	CRSN-2G-HV	2" Grooved	105 (24)		
5335-25N-15-002	CRSN-2-1/2N-HV	2.5" NPT Male	155 (35)		
5335-25F-15-002	CRSN-2-1/2F-HV	2.5" Flanged	155 (35)		
5335-25G-15-002	CRSN-2-1/2G-HV	2.5" Grooved	155 (35)		
5335-03N-15-002	CRSN-3N-HV	3" NPT Male	225 (51)		
5335-03F-15-002	CRSN-3F-HV	3" Flanged	225 (51)		
5335-03G-15-002	CRSN-3G-HV	3" Grooved	225 (51)		
5335-04N-15-002	CRSN-4N-HV	4" NPT Male	405 (92)		
5335-04F-15-002	CRSN-4F-HV	4" Flanged	405 (92)		
5335-04G-15-002	CRSN-4G-HV	4" Grooved	405 (92)		
5335-05F-15-002	CRSN-5F-HV	5" Flanged	630 (143)		
5335-05G-15-002	CRSN-5G-HV	5" Grooved	630 (143)		
5335-06F-15-002	CRSN-6F-HV	6" Flanged	910 (207)		
5335-06G-15-002	CRSN-6G-HV	6" Grooved	910 (207)		
5335-08F-15-002	CRSN-8F-HV	8" Flanged	1,610 (366)		
5335-08G-15-002	CRSN-8G-HV	8" Grooved	1,610 (366)		
5335-10F-15-002	CRSN-10F-HV	10" Flanged	2,350 (534)		
5335-10G-15-002	CRSN-10G-HV	10" Grooved	2,350 (534)		
5335-12F-15-002	CRSN-12F-HV	12" Flanged	3,500 (795)		
5335-12G-15-002	CRSN-12G-HV	12" Grooved	3,500 (795)		

Flanged Models



NPT Models

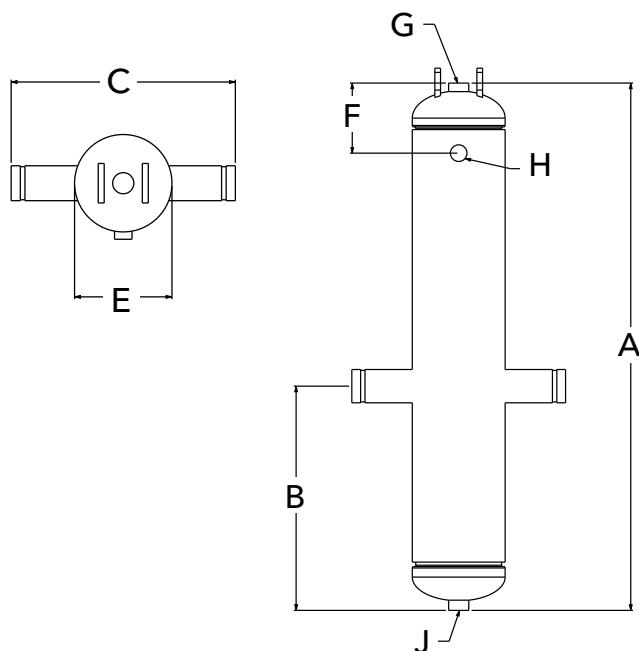


DIMENSIONS AND WEIGHTS

MODEL NUMBER	DIMENSIONS - INCHES (mm)								SHIPPING WEIGHT LBS (KG)	FLOODED WEIGHT LBS (KG)	CV
	A	B	C	E	F	G	H	J			
CRSN-2N-HV	37.63 (956)	16.00 (406)	15.25 (387)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	55 (25)	97 (44)	72
CRSN-2-1/2N-HV	37.63 (956)	16.00 (406)	15.75 (400)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	56 (26)	99 (45)	116
CRSN-3N-HV	37.63 (956)	16.00 (406)	20.25 (514)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	58 (27)	103 (47)	168
CRSN-4N-HV	43.00 (1092)	20.50 (521)	20.63 (524)	8.63 (219)	5.38 (137)	3/4" NPT	1/2" NPT	1" NPT	90 (41)	179 (82)	350
CRSN-2F-HV	37.63 (956)	16.00 (406)	15.25 (387)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	65 (30)	107 (49)	72
CRSN-2-1/2F-HV	37.63 (956)	16.00 (406)	15.75 (400)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	72 (33)	115 (53)	116
CRSN-3F-HV	37.63 (956)	16.00 (406)	20.25 (514)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	76 (35)	121 (55)	168
CRSN-4F-HV	43.00 (1092)	20.50 (521)	20.63 (524)	8.63 (219)	5.38 (137)	3/4" NPT	1/2" NPT	1" NPT	115 (53)	204 (93)	350
CRSN-5F-HV	57.00 (1448)	29.00 (737)	27.75 (705)	10.75 (273)	5.63 (143)	3/4" NPT	1/2" NPT	1" NPT	177 (81)	365 (166)	404
CRSN-6F-HV	57.00 (1448)	29.00 (737)	27.75 (705)	12.75 (324)	6.25 (159)	3/4" NPT	1/2" NPT	1" NPT	211 (96)	481 (219)	540
CRSN-8F-HV	75.50 (1918)	37.00 (940)	33.63 (854)	16.00 (406)	7.00 (178)	3/4" NPT	1/2" NPT	1" NPT	401 (182)	966 (439)	950
CRSN-10F-HV	90.00 (2286)	44.00 (1118)	37.50 (953)	20.00 (508)	8.00 (203)	3/4" NPT	1/2" NPT	1" NPT	593 (269)	1655 (751)	1,463
CRSN-12F-HV	112.00 (2845)	54.00 (1372)	42.50 (1080)	24.00 (610)	9.00 (229)	3/4" NPT	1/2" NPT	1" NPT	981 (445)	2878 (1306)	2,000

IMPORTANT NOTES

1. Consult IOM 0121-01 for safety and service instructions.
2. Lifting lugs are for transportation and installation of the empty vessel, and are not to be used for complete or partial support of the flooded vessel.
3. Welding to the pressure vessel boundary will void the ASME stamp.
4. Dimensions subject to change. Not to be used for construction purposes

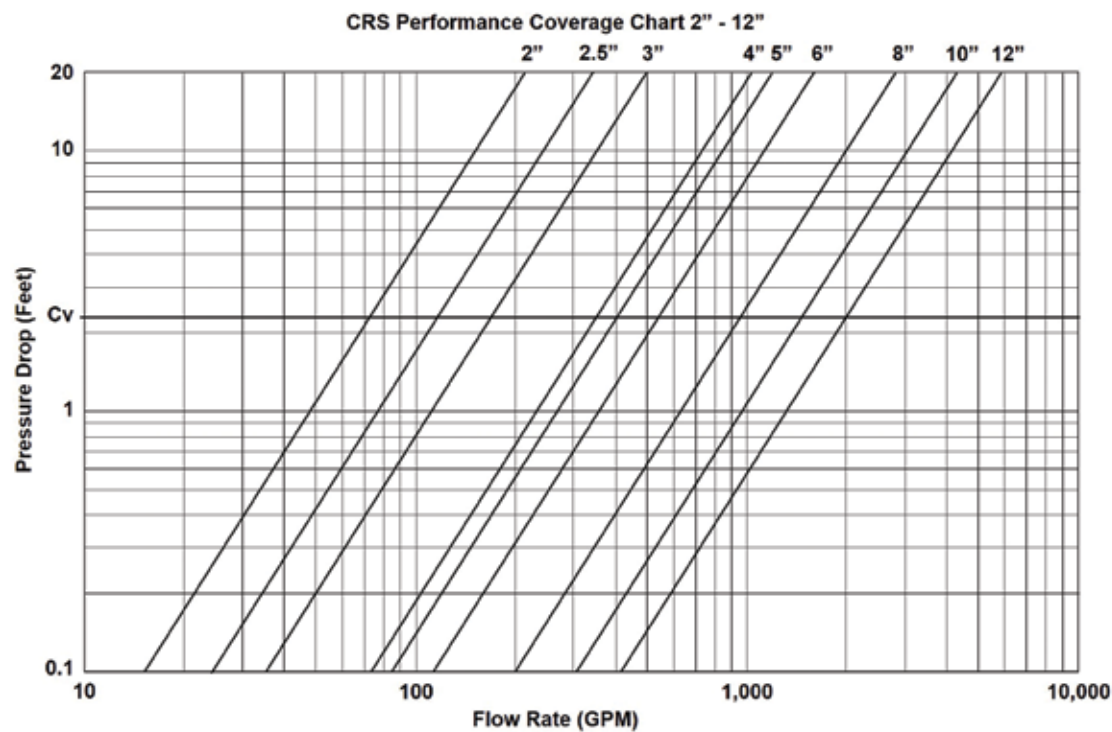


DIMENSIONS AND WEIGHTS

MODEL NUMBER	DIMENSIONS - INCHES (mm)								SHIPPING WEIGHT LBS (KG)	FLOODED WEIGHT LBS (KG)	CV
	A	B	C	E	F	G	H	J			
CRSN-2G-HV	37.63 (956)	16.00 (406)	15.25 (387)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	55 (25)	97 (44)	72
CRSN-2-1/2G-HV	37.63 (956)	16.00 (406)	15.75 (400)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	56 (26)	99 (45)	116
CRSN-3G-HV	37.63 (956)	16.00 (406)	20.25 (514)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	58 (27)	103 (47)	168
CRSN-4G-HV	43.00 (1092)	20.50 (521)	20.63 (524)	8.63 (219)	5.38 (137)	3/4" NPT	1/2" NPT	1" NPT	90 (41)	179 (82)	350
CRSN-5G-HV	57.00 (1448)	29.00 (737)	27.75 (705)	10.75 (273)	5.63 (143)	3/4" NPT	1/2" NPT	1" NPT	148 (68)	336 (153)	404
CRSN-6G-HV	57.00 (1448)	29.00 (737)	27.75 (705)	12.75 (324)	6.25 (159)	3/4" NPT	1/2" NPT	1" NPT	177 (81)	446 (203)	540
CRSN-8G-HV	75.50 (1918)	37.00 (940)	33.63 (854)	16.00 (406)	7.00 (178)	3/4" NPT	1/2" NPT	1" NPT	346 (157)	910 (413)	950
CRSN-10G-HV	90.00 (2286)	44.00 (1118)	37.50 (953)	20.00 (508)	8.00 (203)	3/4" NPT	1/2" NPT	1" NPT	516 (235)	1576 (715)	1,463
CRSN-12G-HV	112.00 (2845)	54.00 (1372)	42.50 (1080)	24.00 (610)	9.00 (229)	3/4" NPT	1/2" NPT	1" NPT	867 (394)	2761 (1253)	2,000

IMPORTANT NOTES

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