

JOB:
REPRESENTATIVE:

 UNIT TAG:
 ENGINEER:
 CONTRACTOR:

 ORDER NUMBER:
 SUBMITTED BY:
 APPROVED BY:

 DATE:
 DATE:
 DATE:


CRSDN-HV

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

DESCRIPTION

The Bell & Gossett CRSDN-HV is a 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)

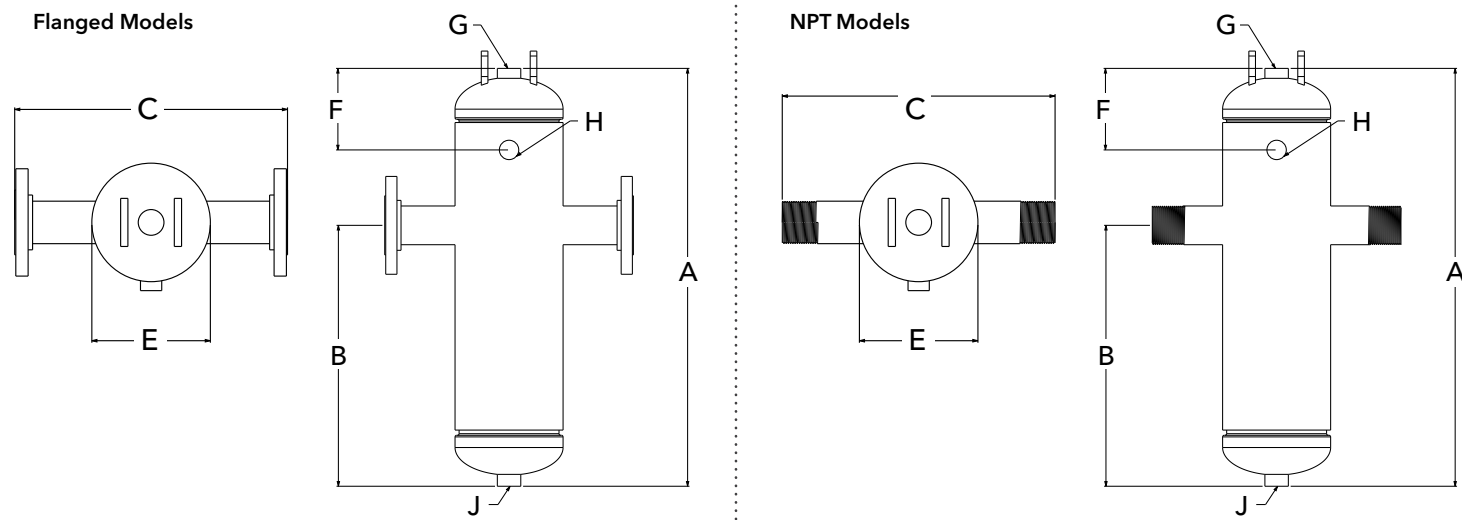
Max Temperature: 450°F (232°C)

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
5338-02N-15-003	CRSDN-2N-HV	2" NPT Male	105 (24)		
5338-02F-15-003	CRSDN-2F-HV	2" Flanged	105 (24)		
5338-02G-15-003	CRSDN-2G-HV	2" Grooved	105 (24)		
5338-25N-15-003	CRSDN-2-1/2N-HV	2.5" NPT Male	155 (35)		
5338-25F-15-003	CRSDN-2-1/2F-HV	2.5" Flanged	155 (35)		
5338-25G-15-003	CRSDN-2-1/2G-HV	2.5" Grooved	155 (35)		
5338-03N-15-003	CRSDN-3N-HV	3" NPT Male	225 (51)		
5338-03F-15-003	CRSDN-3F-HV	3" Flanged	225 (51)		
5338-03G-15-003	CRSDN-3G-HV	3" Grooved	225 (51)		
5338-04N-15-003	CRSDN-4N-HV	4" NPT Male	405 (92)		
5338-04F-15-003	CRSDN-4F-HV	4" Flanged	405 (92)		
5338-04G-15-003	CRSDN-4G-HV	4" Grooved	405 (92)		
5338-05F-15-003	CRSDN-5F-HV	5" Flanged	630 (143)		
5338-05G-15-003	CRSDN-5G-HV	5" Grooved	630 (143)		
5338-06F-15-003	CRSDN-6F-HV	6" Flanged	910 (207)		
5338-06G-15-003	CRSDN-6G-HV	6" Grooved	910 (207)		
5338-08F-15-003	CRSDN-8F-HV	8" Flanged	1,610 (366)		
5338-08G-15-003	CRSDN-8G-HV	8" Grooved	1,610 (366)		
5338-10F-15-003	CRSDN-10F-HV	10" Flanged	2,350 (534)		
5338-10G-15-003	CRSDN-10G-HV	10" Grooved	2,350 (534)		
5338-12F-15-003	CRSDN-12F-HV	12" Flanged	3,500 (795)		
5338-12G-15-003	CRSDN-12G-HV	12" Grooved	3,500 (795)		

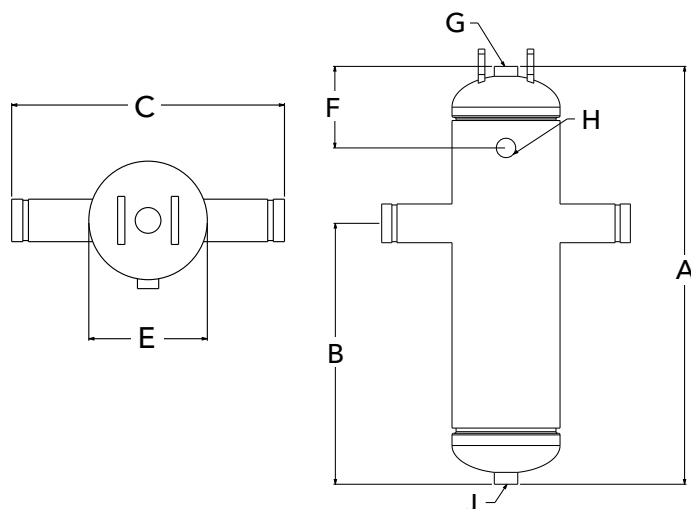


DIMENSIONS AND WEIGHTS

MODEL NUMBER	DIMENSIONS - INCHES (mm)								SHIPPING WEIGHT LBS (KG)	FLOODED WEIGHT LBS (KG)	CV
	A	B	C	E	F	G	H	J			
CRSDN-2N-HV	25.63 (651)	16.00 (406)	15.25 (387)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	37 (17)	66 (30)	72
CRSDN-2-1/2N-HV	25.63 (651)	16.00 (406)	15.75 (400)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	38 (18)	68 (31)	116
CRSDN-3N-HV	25.63 (651)	16.00 (406)	20.25 (514)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	40 (19)	72 (33)	168
CRSDN-4N-HV	29.00 (737)	20.50 (521)	20.63 (524)	8.63 (219)	5.38 (137)	3/4" NPT	1/2" NPT	1" NPT	59 (27)	122 (56)	350
CRSDN-2F-HV	25.63 (651)	16.00 (406)	15.25 (387)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	47 (22)	76 (35)	72
CRSDN-2-1/2F-HV	25.63 (651)	16.00 (406)	15.75 (400)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	53 (25)	84 (39)	116
CRSDN-3F-HV	25.63 (651)	16.00 (406)	20.25 (514)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	58 (27)	90 (41)	168
CRSDN-4F-HV	29.00 (737)	20.50 (521)	20.63 (524)	8.63 (219)	5.38 (137)	3/4" NPT	1/2" NPT	1" NPT	84 (39)	147 (67)	350
CRSDN-5F-HV	39.25 (997)	29.00 (737)	27.75 (705)	10.75 (273)	5.63 (143)	3/4" NPT	1/2" NPT	1" NPT	134 (61)	269 (123)	404
CRSDN-6F-HV	41.00 (1041)	29.00 (737)	27.75 (705)	12.75 (324)	6.25 (159)	3/4" NPT	1/2" NPT	1" NPT	164 (75)	366 (167)	540
CRSDN-8F-HV	48.00 (1219)	37.00 (940)	33.63 (854)	16.00 (406)	7.00 (178)	3/4" NPT	1/2" NPT	1" NPT	277 (126)	655 (298)	950
CRSDN-10F-HV	65.00 (1651)	44.00 (1118)	37.50 (953)	20.00 (508)	8.00 (203)	3/4" NPT	1/2" NPT	1" NPT	452 (206)	1245 (565)	1,463
CRSDN-12F-HV	77.00 (1956)	54.00 (1372)	42.50 (1080)	24.00 (610)	9.00 (229)	3/4" NPT	1/2" NPT	1" NPT	714 (324)	2063 (936)	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.

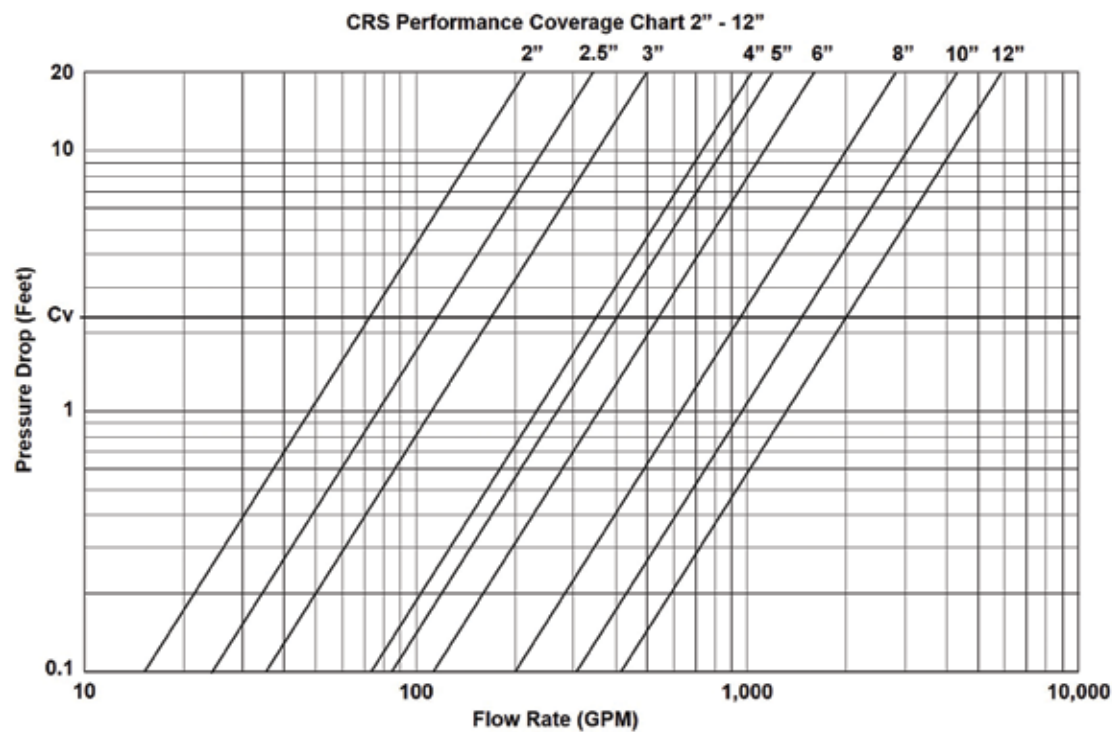


DIMENSIONS AND WEIGHTS

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	A	B	C	E	F	G	H	J			
CRSDN-2G-HV	25.63 (651)	16.00 (406)	15.25 (387)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	37 (17)	66 (30)	72
CRSDN-2-1/2G-HV	25.63 (651)	16.00 (406)	15.75 (400)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	38 (18)	68 (31)	116
CRSDN-3G-HV	25.63 (651)	16.00 (406)	20.25 (514)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	40 (19)	72 (33)	168
CRSDN-4G-HV	29.00 (737)	20.50 (521)	20.63 (524)	8.63 (219)	5.38 (137)	3/4" NPT	1/2" NPT	1" NPT	59 (27)	122 (56)	350
CRSDN-5G-HV	39.25 (997)	29.00 (737)	27.75 (705)	10.75 (273)	5.63 (143)	3/4" NPT	1/2" NPT	1" NPT	105 (48)	240 (109)	404
CRSDN-6G-HV	41.00 (1041)	29.00 (737)	27.75 (705)	12.75 (324)	6.25 (159)	3/4" NPT	1/2" NPT	1" NPT	130 (59)	330 (150)	540
CRSDN-8G-HV	48.00 (1219)	37.00 (940)	33.63 (854)	16.00 (406)	7.00 (178)	3/4" NPT	1/2" NPT	1" NPT	222 (101)	599 (272)	950
CRSDN-10G-HV	65.00 (1651)	44.00 (1118)	37.50 (953)	20.00 (508)	8.00 (203)	3/4" NPT	1/2" NPT	1" NPT	375 (171)	1166 (529)	1,463
CRSDN-12G-HV	77.00 (1956)	54.00 (1372)	42.50 (1080)	24.00 (610)	9.00 (229)	3/4" NPT	1/2" NPT	1" NPT	600 (273)	1946 (883)	2,000

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