

JOB:
REPRESENTATIVE:

 UNIT TAG:
 ENGINEER:
 CONTRACTOR:

 ORDER NUMBER:
 SUBMITTED BY:
 APPROVED BY:

 DATE:
 DATE:
 DATE:


CRSD-HV

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

DESCRIPTION

The Bell & Gossett CRSD-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, removable end cover for coalescing medium access, 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)

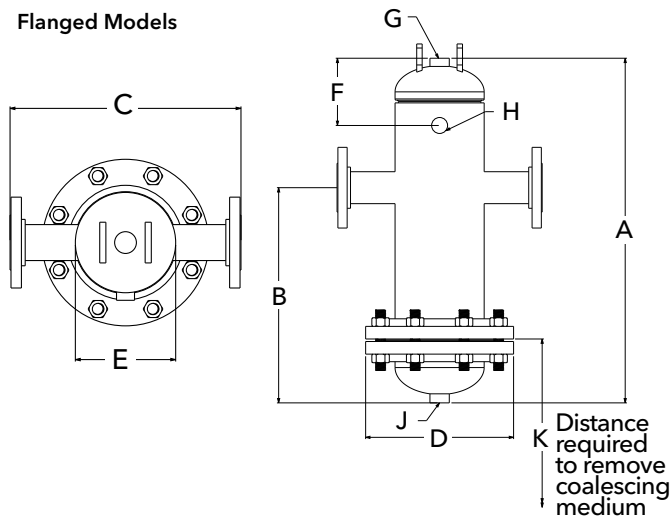
Min Temperature: -20°F (-29°C)

* Consult factory for higher working pressures or temperatures.

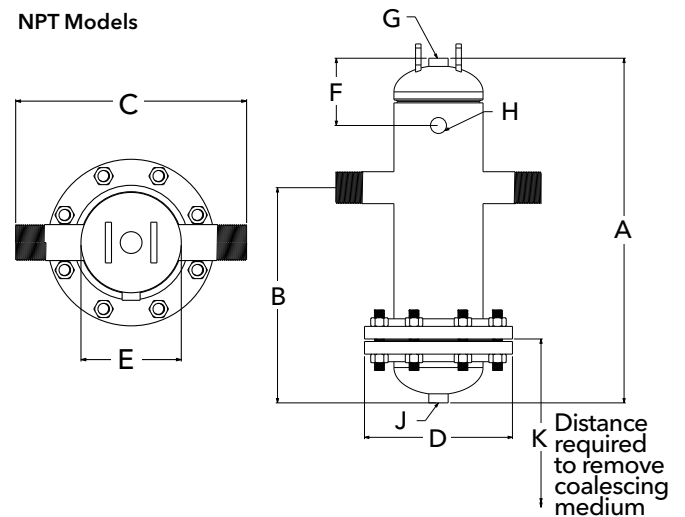
SCHEDULE

PART NUMBER	MODEL NUMBER	INLET/OUTLET CONNECTION	RECOMMENDED CAPACITY IN GPM (M ³ /HR)	TAGGING INFORMATION	QUANTITY
5338-02N-15-002	CRSD-2N-HV	2" NPT Male	105 (24)		
5338-02F-15-002	CRSD-2F-HV	2" Flanged	105 (24)		
5338-02G-15-002	CRSD-2G-HV	2" Grooved	105 (24)		
5338-25N-15-002	CRSD-2-1/2N-HV	2.5" NPT Male	155 (35)		
5338-25F-15-002	CRSD-2-1/2F-HV	2.5" Flanged	155 (35)		
5338-25G-15-002	CRSD-2-1/2G-HV	2.5" Grooved	155 (35)		
5338-03N-15-002	CRSD-3N-HV	3" NPT Male	225 (51)		
5338-03F-15-002	CRSD-3F-HV	3" Flanged	225 (51)		
5338-03G-15-002	CRSD-3G-HV	3" Grooved	225 (51)		
5338-04N-15-002	CRSD-4N-HV	4" NPT Male	405 (92)		
5338-04F-15-002	CRSD-4F-HV	4" Flanged	405 (92)		
5338-04G-15-002	CRSD-4G-HV	4" Grooved	405 (92)		
5338-05F-15-002	CRSD-5F-HV	5" Flanged	630 (143)		
5338-05G-15-002	CRSD-5G-HV	5" Grooved	630 (143)		
5338-06F-15-002	CRSD-6F-HV	6" Flanged	910 (207)		
5338-06G-15-002	CRSD-6G-HV	6" Grooved	910 (207)		
5338-08F-15-002	CRSD-8F-HV	8" Flanged	1,610 (366)		
5338-08G-15-002	CRSD-8G-HV	8" Grooved	1,610 (366)		
5338-10F-15-002	CRSD-10F-HV	10" Flanged	2,350 (534)		
5338-10G-15-002	CRSD-10G-HV	10" Grooved	2,350 (534)		
5338-12F-15-002	CRSD-12F-HV	12" Flanged	3,500 (795)		
5338-12G-15-002	CRSD-12G-HV	12" Grooved	3,500 (795)		

Flanged Models



NPT Models

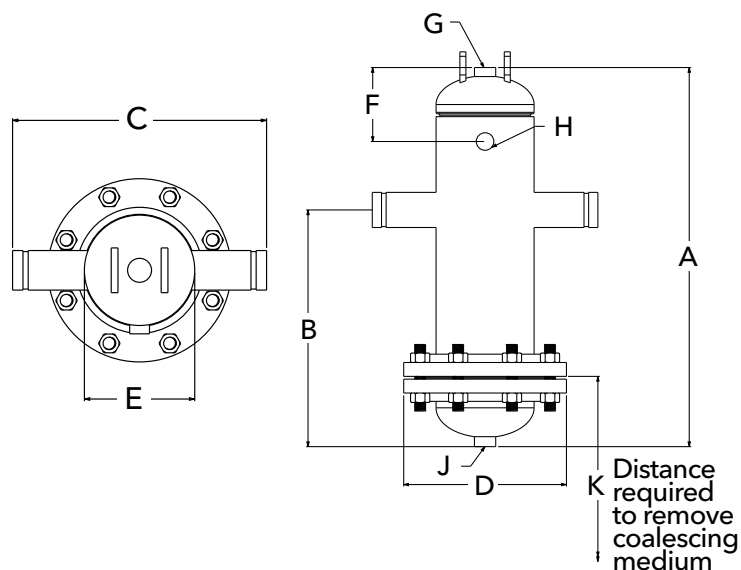


DIMENSIONS AND WEIGHTS

MODEL NUMBER	DIMENSIONS - INCHES (mm)										SHIPPING WEIGHT LBS (KG)	FLOODED WEIGHT LBS (KG)	CV
	A	B	C	D	E	F	G	H	J	K			
CRSD-2N-HV	25.63 (651)	16.00 (406)	15.25 (387)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	80 (37)	108 (49)	72
CRSD-2-1/2N-HV	25.63 (651)	16.00 (406)	15.75 (400)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	81 (37)	110 (50)	116
CRSD-3N-HV	25.63 (651)	16.00 (406)	20.25 (514)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	83 (38)	114 (52)	168
CRSD-4N-HV	29.00 (737)	20.50 (521)	20.63 (524)	13.50 (343)	8.63 (219)	5.38 (137)	3/4" NPT	1/2" NPT	1" NPT	15.00 (381)	123 (56)	183	350
CRSD-2F-HV	25.63 (651)	16.00 (406)	15.25 (387)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	90 (41)	118 (54)	72
CRSD-2-1/2F-HV	25.63 (651)	16.00 (406)	15.75 (400)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	96 (44)	125 (57)	116
CRSD-3F-HV	25.63 (651)	16.00 (406)	20.25 (514)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	101 (46)	132 (60)	168
CRSD-4F-HV	29.00 (737)	20.50 (521)	20.63 (524)	13.50 (343)	8.63 (219)	5.38 (137)	3/4" NPT	1/2" NPT	1" NPT	15.00 (381)	149 (68)	209 (95)	350
CRSD-5F-HV	39.25 (997)	29.00 (737)	27.75 (705)	16.00 (406)	10.75 (273)	5.63 (143)	3/4" NPT	1/2" NPT	1" NPT	9.00 (229)	233 (106)	362 (165)	404
CRSD-6F-HV	41.00 (1041)	29.00 (737)	27.75 (705)	19.00 (483)	12.75 (324)	6.25 (159)	3/4" NPT	1/2" NPT	1" NPT	8.00 (203)	304 (138)	499 (227)	540
CRSD-8F-HV	48.00 (1219)	37.00 (940)	33.63 (854)	23.50 (597)	16.00 (406)	7.00 (178)	3/4" NPT	1/2" NPT	1" NPT	27.00 (686)	520 (236)	888 (403)	950
CRSD-10F-HV	65.00 (1651)	44.00 (1118)	37.50 (953)	27.50 (699)	20.00 (508)	8.00 (203)	3/4" NPT	1/2" NPT	1" NPT	15.00 (381)	836 (380)	1614 (733)	1,463
CRSD-12F-HV	77.00 (1956)	54.00 (1372)	42.50 (1080)	32.00 (813)	24.00 (610)	9.00 (229)	3/4" NPT	1/2" NPT	1" NPT	8.50 (216)	1233 (560)	2562 (1163)	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.

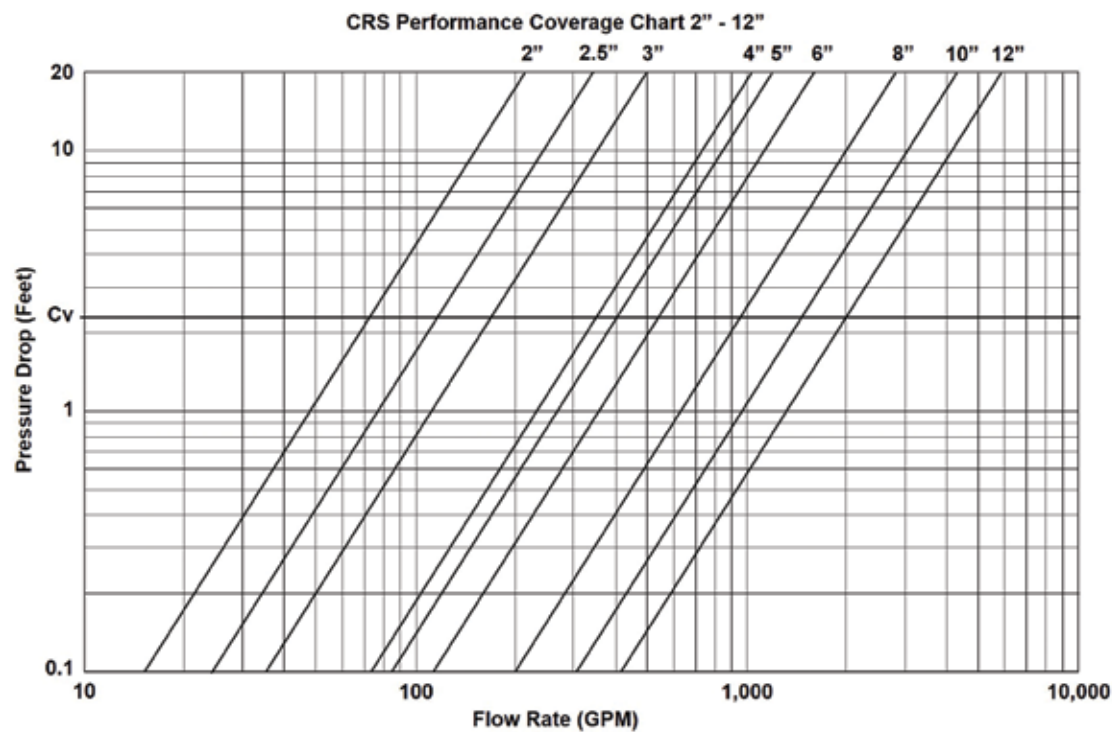


DIMENSIONS AND WEIGHTS

MODEL NUMBER	DIMENSIONS - INCHES (mm)										SHIPPING WEIGHT LBS (KG)	FLOODED WEIGHT LBS (KG)	CV
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CRSD-2G-HV	25.63 (651)	16.00 (406)	15.25 (387)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	80 (37)	108 (49)	72
CRSD-2-1/2G-HV	25.63 (651)	16.00 (406)	15.75 (400)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	81 (37)	110 (50)	116
CRSD-3G-HV	25.63 (651)	16.00 (406)	20.25 (514)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	83 (38)	114 (52)	168
CRSD-4G-HV	29.00 (737)	20.50 (521)	20.63 (524)	13.50 (343)	8.63 (219)	5.38 (137)	3/4" NPT	1/2" NPT	1" NPT	15.00 (381)	123 (56)	183 (84)	350
CRSD-5G-HV	39.25 (997)	29.00 (737)	27.75 (705)	16.00 (406)	10.75 (273)	5.63 (143)	3/4" NPT	1/2" NPT	1" NPT	9.00 (229)	204 (93)	332 (151)	404
CRSD-6G-HV	41.00 (1041)	29.00 (737)	27.75 (705)	19.00 (483)	12.75 (324)	6.25 (159)	3/4" NPT	1/2" NPT	1" NPT	8.00 (203)	269 (123)	464 (211)	540
CRSD-8G-HV	48.00 (1219)	37.00 (940)	33.63 (854)	23.50 (597)	16.00 (406)	7.00 (178)	3/4" NPT	1/2" NPT	1" NPT	27.00 (686)	464 (211)	832 (378)	950
CRSD-10G-HV	65.00 (1651)	44.00 (1118)	37.50 (953)	27.50 (699)	20.00 (508)	8.00 (203)	3/4" NPT	1/2" NPT	1" NPT	15.00 (381)	759 (345)	1536 (697)	1,463
CRSD-12G-HV	77.00 (1956)	54.00 (1372)	42.50 (1080)	32.00 (813)	24.00 (610)	9.00 (229)	3/4" NPT	1/2" NPT	1" NPT	8.50 (216)	1119 (508)	2445 (1110)	2,000

IMPORTANT NOTES

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