

JOB:
REPRESENTATIVE:

 UNIT TAG:
 ENGINEER:
 CONTRACTOR:

 ORDER NUMBER:
 SUBMITTED BY:
 APPROVED BY:

 DATE:
 DATE:
 DATE:


CRS-HV

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

DESCRIPTION

The Bell & Gossett CRS-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, 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)

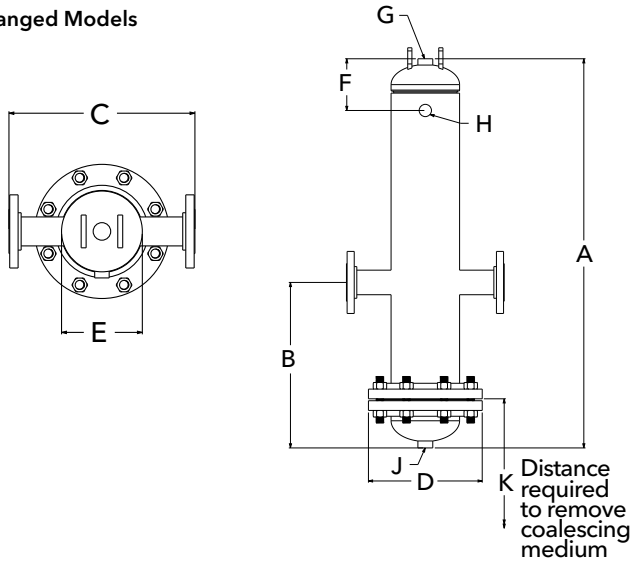
Min Temperature: -20°F (-29°C)

* Consult factory for higher working pressures or temperatures.

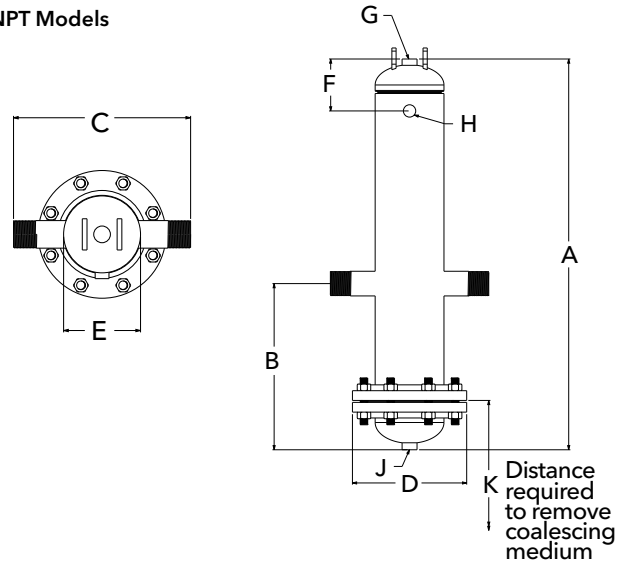
SCHEDULE

PART NUMBER	MODEL NUMBER	INLET/OUTLET CONNECTION	RECOMMENDED CAPACITY IN GPM (M ³ /HR)	TAGGING INFORMATION	QUANTITY
5335-02N-15-001	CRS-2N-HV	2" NPT Male	105 (24)		
5335-02F-15-001	CRS-2F-HV	2" Flanged	105 (24)		
5335-02G-15-001	CRS-2G-HV	2" Grooved	105 (24)		
5335-25N-15-001	CRS-2-1/2N-HV	2.5" NPT Male	155 (35)		
5335-25F-15-001	CRS-2-1/2F-HV	2.5" Flanged	155 (35)		
5335-25G-15-001	CRS-2-1/2G-HV	2.5" Grooved	155 (35)		
5335-03N-15-001	CRS-3N-HV	3" NPT Male	225 (51)		
5335-03F-15-001	CRS-3F-HV	3" Flanged	225 (51)		
5335-03G-15-001	CRS-3G-HV	3" Grooved	225 (51)		
5335-04N-15-001	CRS-4N-HV	4" NPT Male	405 (92)		
5335-04F-15-001	CRS-4F-HV	4" Flanged	405 (92)		
5335-04G-15-001	CRS-4G-HV	4" Grooved	405 (92)		
5335-05F-15-001	CRS-5F-HV	5" Flanged	630 (143)		
5335-05G-15-001	CRS-5G-HV	5" Grooved	630 (143)		
5335-06F-15-001	CRS-6F-HV	6" Flanged	910 (207)		
5335-06G-15-001	CRS-6G-HV	6" Grooved	910 (207)		
5335-08F-15-001	CRS-8F-HV	8" Flanged	1,610 (366)		
5335-08G-15-001	CRS-8G-HV	8" Grooved	1,610 (366)		
5335-10F-15-001	CRS-10F-HV	10" Flanged	2,350 (534)		
5335-10G-15-001	CRS-10G-HV	10" Grooved	2,350 (534)		
5335-12F-15-001	CRS-12F-HV	12" Flanged	3,500 (795)		
5335-12G-15-001	CRS-12G-HV	12" Grooved	3,500 (795)		

Flanged Models



NPT Models

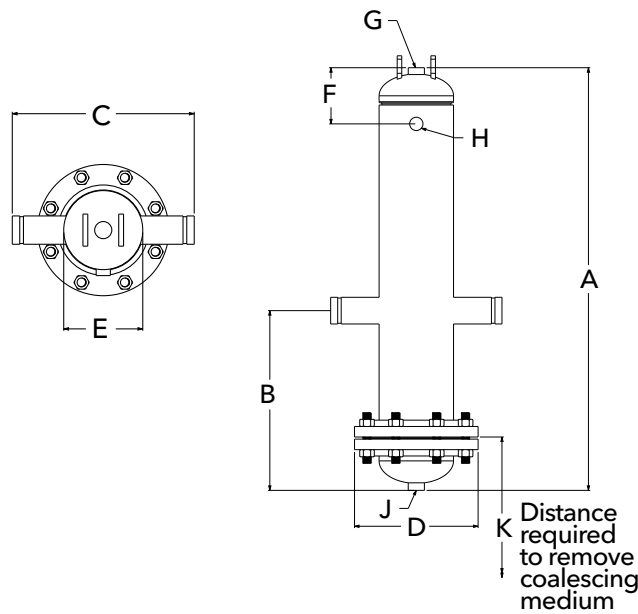


DIMENSIONS AND WEIGHTS

MODEL NUMBER	DIMENSIONS - INCHES (mm)										SHIPPING WEIGHT LBS (KG)	FLOODED WEIGHT LBS (KG)	CV
	A	B	C	D	E	F	G	H	J	K			
CRS-2N-HV	37.63 (956)	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)	98 (45)	139 (64)	72
CRS-2-1/2N-HV	37.63 (956)	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)	98 (45)	140 (64)	116
CRS-3N-HV	37.63 (956)	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)	145 (66)	168
CRS-4N-HV	43.00 (1092)	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)	236 (108)	350
CRS-2F-HV	37.63 (956)	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)	107 (49)	149 (68)	72
CRS-2-1/2F-HV	37.63 (956)	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)	114 (52)	156 (71)	116
CRS-3F-HV	37.63 (956)	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)	118 (54)	162 (74)	168
CRS-4F-HV	43.00 (1092)	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)	174 (79)	261 (119)	350
CRS-5F-HV	57.00 (1448)	29.00 (737)	27.75 (705)	16.00 (406)	10.75 (273)	5.63 (143)	3/4" NPT	1/2" NPT	1" NPT	16.00 (406)	275 (125)	458 (208)	404
CRS-6F-HV	57.00 (1448)	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)	351 (160)	615 (279)	540
CRS-8F-HV	75.50 (1918)	37.00 (940)	33.63 (854)	23.50 (597)	16.00 (406)	7.00 (178)	3/4" NPT	1/2" NPT	1" NPT	13.00 (330)	643 (292)	1199 (544)	950
CRS-10F-HV	90.00 (2286)	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)	977 (444)	2025 (919)	1,463
CRS-12F-HV	112.00 (2845)	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)	1499 (680)	3377 (1532)	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.

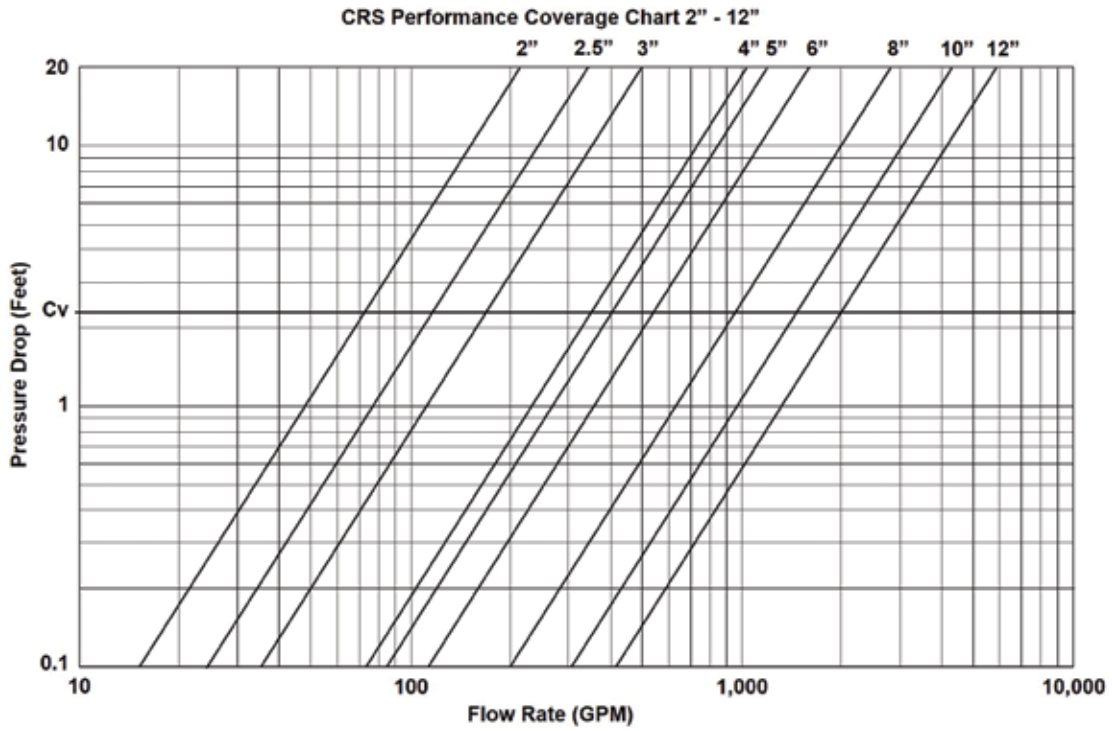


DIMENSIONS AND WEIGHTS

MODEL NUMBER	DIMENSIONS - INCHES (mm)										SHIPPING WEIGHT LBS (KG)	FLOODED WEIGHT LBS (KG)	CV
	A	B	C	D	E	F	G	H	J	K			
CRS-2G-HV	37.63 (956)	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)	98 (45)	139 (64)	72
CRS-2-1/2G-HV	37.63 (956)	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)	98 (45)	140 (64)	116
CRS-3G-HV	37.63 (956)	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)	145 (66)	168
CRS-4G-HV	43.00 (1092)	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)	236 (108)	350
CRS-5G-HV	57.00 (1448)	29.00 (737)	27.75 (705)	16.00 (406)	10.75 (273)	5.63 (143)	3/4" NPT	1/2" NPT	1" NPT	16.00 (406)	246 (112)	428 (195)	404
CRS-6G-HV	57.00 (1448)	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)	316 (144)	579 (263)	540
CRS-8G-HV	75.50 (1918)	37.00 (940)	33.63 (854)	23.50 (597)	16.00 (406)	7.00 (178)	3/4" NPT	1/2" NPT	1" NPT	13.00 (330)	588 (267)	1143 (519)	950
CRS-10G-HV	90.00 (2286)	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)	900 (409)	1946 (883)	1,463
CRS-12G-HV	112.00 (2845)	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)	1385 (629)	3260 (1479)	2,000

IMPORTANT NOTES

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