

JOB:
REPRESENTATIVE:

 UNIT TAG:
 ENGINEER:
 CONTRACTOR:

 ORDER NUMBER:
 SUBMITTED BY:
 APPROVED BY:

 DATE:
 DATE:
 DATE:


CRS-HV Mag

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

DESCRIPTION

The Bell & Gossett CRS-HV is a combination air & sediment separator that utilizes a coalescing medium and magnetic insert 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, connections for an air vent, blow down valve, skim valve, and magnetic insert with 13,550 gauss strength. The product is designed, constructed, inspected and stamped per ASME Section VIII, Division 1.

CONSTRUCTION MATERIALS

Shell: Carbon Steel
Coalescing Medium: Stainless Steel
Magnet: Neodymium 45H

OPERATING DATA*

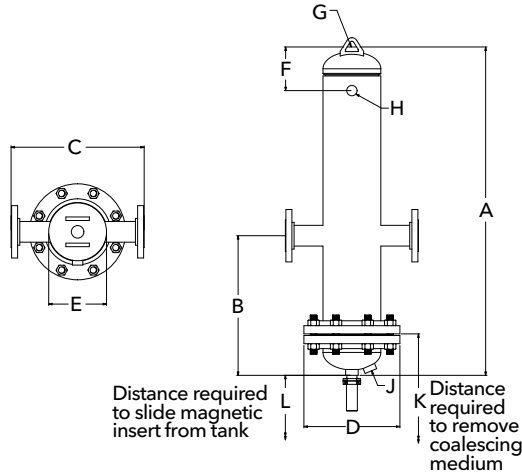
Max Working Pressure: 150 psig (1,034 kPa)
Max Temperature: 450°F (232°C)
Min Temperature: -20°F (-29°C)

* Consult factory for higher working pressures or temperatures.

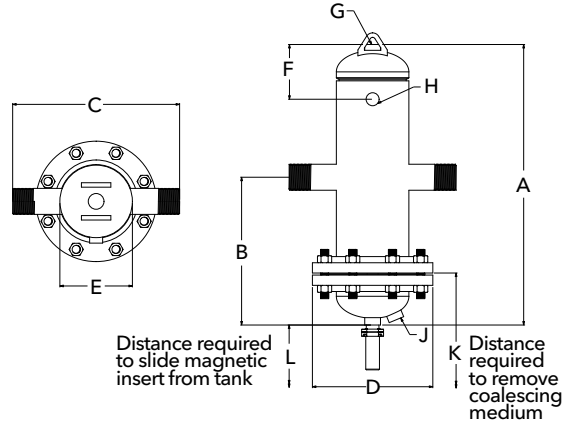
SCHEDULE

PART NUMBER	MODEL NUMBER	INLET/OUTLET CONNECTION	RECOMMENDED CAPACITY IN GPM (M ³ /HR)	TAGGING INFORMATION	QUANTITY
5335-02N-15-003	CRS-2N-HV Mag	2" NPT Male	105 (24)		
5335-02F-15-003	CRS-2F-HV Mag	2" Flanged	105 (24)		
5335-02G-15-003	CRS-2G-HV Mag	2" Grooved	105 (24)		
5335-25N-15-003	CRS-2-1/2N-HV Mag	2.5" NPT Male	155 (35)		
5335-25F-15-003	CRS-2-1/2F-HV Mag	2.5" Flanged	155 (35)		
5335-25G-15-003	CRS-2-1/2G-HV Mag	2.5" Grooved	155 (35)		
5335-03N-15-003	CRS-3N-HV Mag	3" NPT Male	225 (51)		
5335-03F-15-003	CRS-3F-HV Mag	3" Flanged	225 (51)		
5335-03G-15-003	CRS-3G-HV Mag	3" Grooved	225 (51)		
5335-04N-15-003	CRS-4N-HV Mag	4" NPT Male	405 (92)		
5335-04F-15-003	CRS-4F-HV Mag	4" Flanged	405 (92)		
5335-04G-15-003	CRS-4G-HV Mag	4" Grooved	405 (92)		
5335-05F-15-003	CRS-5F-HV Mag	5" Flanged	630 (143)		
5335-05G-15-003	CRS-5G-HV Mag	5" Grooved	630 (143)		
5335-06F-15-003	CRS-6F-HV Mag	6" Flanged	910 (207)		
5335-06G-15-003	CRS-6G-HV Mag	6" Grooved	910 (207)		
5335-08F-15-003	CRS-8F-HV Mag	8" Flanged	1,610 (366)		
5335-08G-15-003	CRS-8G-HV Mag	8" Grooved	1,610 (366)		
5335-10F-15-003	CRS-10F-HV Mag	10" Flanged	2,350 (534)		
5335-10G-15-003	CRS-10G-HV Mag	10" Grooved	2,350 (534)		
5335-12F-15-003	CRS-12F-HV Mag	12" Flanged	3,500 (795)		
5335-12G-15-003	CRS-12G-HV Mag	12" Grooved	3,500 (795)		

Flanged Models



NPT Models

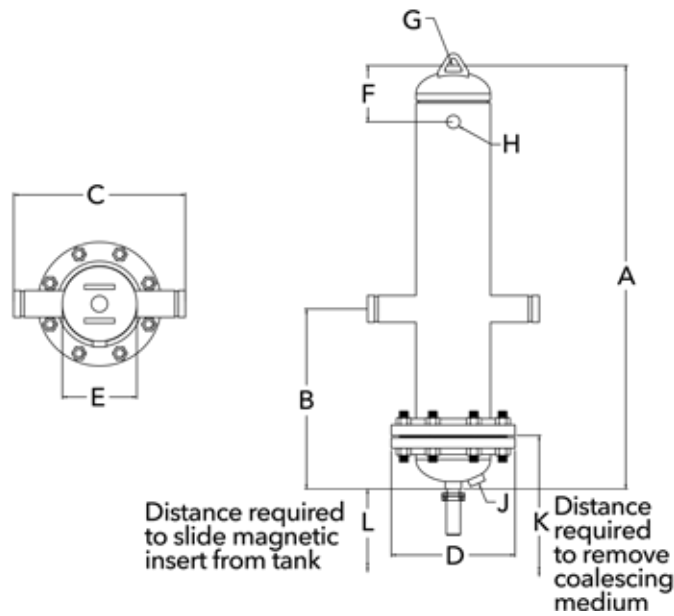


DIMENSIONS AND WEIGHTS

MODEL NUMBER	DIMENSIONS - INCHES (mm)											SHIPPING WEIGHT LBS (KG)	FLOODED WEIGHT LBS (KG)	CV
	A	B	C	D	E	F	G	H	J	K	L			
CRS-2N-HV Mag	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)	16 (407)	98 (45)	139 (64)	72
CRS-2-1/2N-HV Mag	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)	16 (407)	98 (45)	140 (64)	116
CRS-3N-HV Mag	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)	16 (407)	101 (46)	145 (66)	168
CRS-4N-HV Mag	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)	16 (407)	149 (68)	236 (108)	350
CRS-2F-HV Mag	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)	16 (407)	107 (49)	149 (68)	72
CRS-2-1/2F-HV Mag	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)	16 (407)	114 (52)	156 (71)	116
CRS-3F-HV Mag	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)	16 (407)	118 (54)	162 (74)	168
CRS-4F-HV Mag	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)	16 (407)	174 (79)	261 (119)	350
CRS-5F-HV Mag	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)	16 (407)	275 (125)	458 (208)	404
CRS-6F-HV Mag	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)	16 (407)	351 (160)	615 (279)	540
CRS-8F-HV Mag	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)	16 (407)	643 (292)	1199 (544)	950
CRS-10F-HV Mag	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)	16 (407)	977 (444)	2025 (919)	1,463
CRS-12F-HV Mag	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)	16 (407)	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.

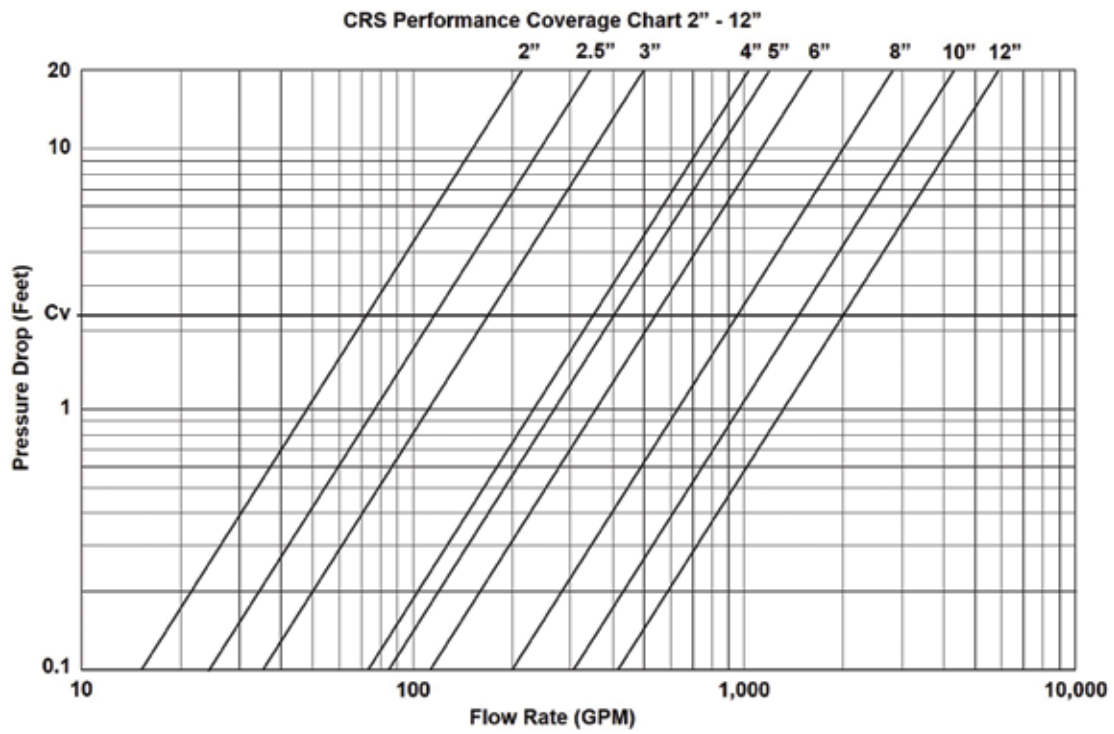


DIMENSIONS AND WEIGHTS

MODEL NUMBER	DIMENSIONS - INCHES (mm)											SHIPPING WEIGHT LBS (KG)	FLOODED WEIGHT LBS (KG)	CV
	A	B	C	D	E	F	G	H	J	K	L			
CRS-2G-HV Mag	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)	16 (407)	98 (45)	139 (64)	72
CRS-2-1/2G-HV Mag	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)	16 (407)	98 (45)	140 (64)	116
CRS-3G-HV Mag	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)	16 (407)	101 (46)	145 (66)	168
CRS-4G-HV Mag	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)	16 (407)	149 (68)	236 (108)	350
CRS-5G-HV Mag	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)	16 (407)	246 (112)	428 (195)	404
CRS-6G-HV Mag	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)	16 (407)	316 (144)	579 (263)	540
CRS-8G-HV Mag	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)	16 (407)	588 (267)	1143 (519)	950
CRS-10G-HV Mag	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)	16 (407)	900 (409)	1946 (883)	1,463
CRS-12G-HV Mag	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)	16 (407)	1385 (629)	3260 (1479)	2,000

IMPORTANT NOTES

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