

JOB:
REPRESENTATIVE:

 UNIT TAG:
 ENGINEER:
 CONTRACTOR:

 ORDER NUMBER:
 SUBMITTED BY:
 APPROVED BY:

 DATE:
 DATE:
 DATE:


CRS Mag

Coalescing medium style air & sediment separator with removable head and magnetic insert

DESCRIPTION

The Bell & Gossett CRS Mag is a combination air & sediment separator that utilizes a coalescing medium and magnetic insert to remove impurities from 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*

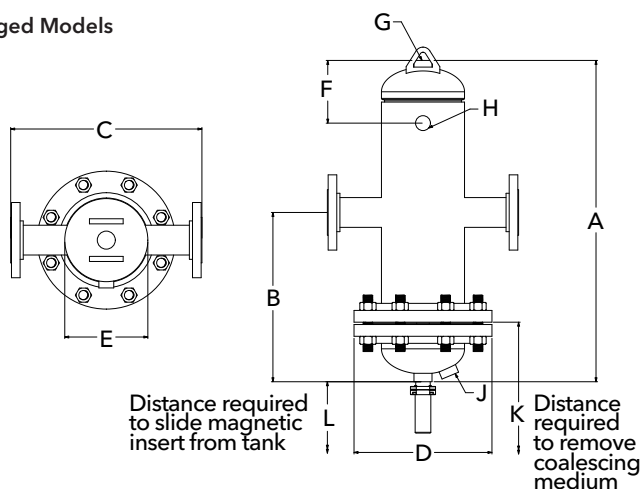
Max Working Pressure: 150 psig (1,034 kPa)
Max Temperature: 450°F (232°C)
Min Temperature: -20°F (-29°C)

* Consult factory for higher working pressures or temperatures.

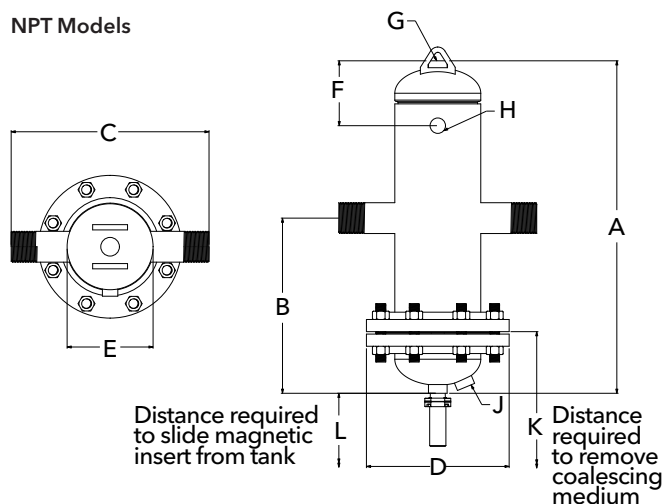
SCHEDULE

PART NUMBER	MODEL NUMBER	INLET/OUTLET CONNECTION	RECOMMENDED CAPACITY IN GPM (M ³ /HR)	TAGGING INFORMATION	QUANTITY
5333-02N-15-003	CRS-2N Mag	2" NPT Male	62 (14)		
5333-02F-15-003	CRS-2F Mag	2" Flanged	62 (14)		
5333-02G-15-003	CRS-2G Mag	2" Grooved	62 (14)		
5333-25N-15-003	CRS-2-1/2N Mag	2.5" NPT Male	96 (22)		
5333-25F-15-003	CRS-2-1/2F Mag	2.5" Flanged	96 (22)		
5333-25G-15-003	CRS-2-1/2G Mag	2.5" Grooved	96 (22)		
5333-03N-15-003	CRS-3N Mag	3" NPT Male	138 (31)		
5333-03F-15-003	CRS-3F Mag	3" Flanged	138 (31)		
5333-03G-15-003	CRS-3G Mag	3" Grooved	138 (31)		
5333-04N-15-003	CRS-4N Mag	4" NPT Male	245 (56)		
5333-04F-15-003	CRS-4F Mag	4" Flanged	245 (56)		
5333-04G-15-003	CRS-4G Mag	4" Grooved	245 (56)		
5333-05F-15-003	CRS-5F Mag	5" Flanged	383 (87)		
5333-05G-15-003	CRS-5G Mag	5" Grooved	383 (87)		
5333-06F-15-003	CRS-6F Mag	6" Flanged	550 (125)		
5333-06G-15-003	CRS-6G Mag	6" Grooved	550 (125)		
5333-08F-15-003	CRS-8F Mag	8" Flanged	980 (223)		
5333-08G-15-003	CRS-8G Mag	8" Grooved	980 (223)		
5333-10F-15-003	CRS-10F Mag	10" Flanged	1,530 (348)		
5333-10G-15-003	CRS-10G Mag	10" Grooved	1,530 (348)		
5333-12F-15-003	CRS-12F Mag	12" Flanged	2,205 (501)		
5333-12G-15-003	CRS-12G Mag	12" Grooved	2,205 (501)		

Flanged Models



NPT Models

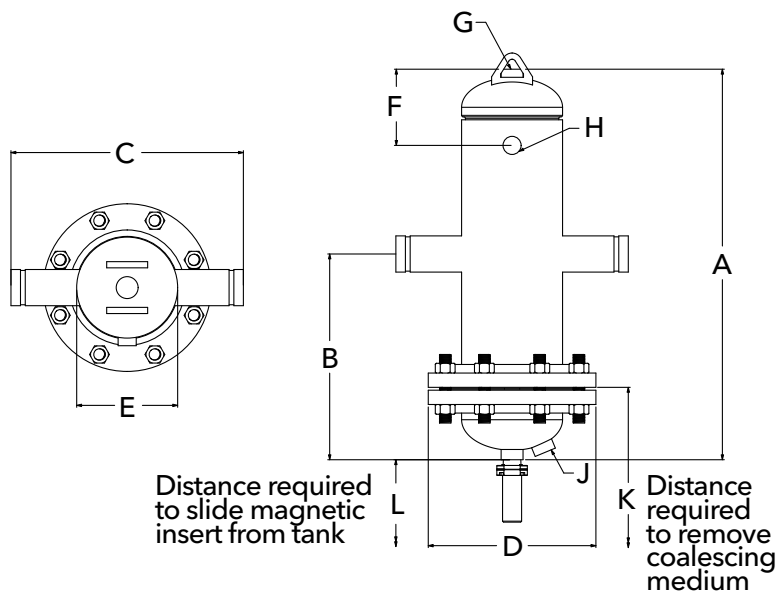


DIMENSIONS AND WEIGHTS

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 Mag	25.63 (651)	13.50 (343)	15.25 (387)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	16.00 (407)	80 (37)	108 (49)	72
CRS-2-1/2N Mag	25.63 (651)	13.50 (343)	15.75 (400)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	16.00 (407)	81 (37)	110 (50)	116
CRS-3N Mag	25.63 (651)	13.50 (343)	20.25 (514)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	16.00 (407)	83 (38)	114 (52)	168
CRS-4N Mag	29.00 (737)	15.25 (387)	20.63 (524)	13.50 (343)	8.63 (219)	5.38 (137)	3/4" NPT	1/2" NPT	1" NPT	15.00 (381)	16.00 (407)	123 (56)	183 (84)	350
CRS-2F Mag	25.63 (651)	13.50 (343)	15.25 (387)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	16.00 (407)	90 (41)	118 (54)	72
CRS-2-1/2F Mag	25.63 (651)	13.50 (343)	15.75 (400)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	16.00 (407)	96 (44)	125 (57)	116
CRS-3F Mag	25.63 (651)	13.50 (343)	20.25 (514)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	16.00 (407)	101 (46)	132 (60)	168
CRS-4F Mag	29.00 (737)	15.25 (387)	20.63 (524)	13.50 (343)	8.63 (219)	5.38 (137)	3/4" NPT	1/2" NPT	1" NPT	15.00 (381)	16.00 (407)	149 (68)	209 (95)	350
CRS-5F Mag	39.25 (997)	19.00 (483)	27.75 (705)	16.00 (406)	10.75 (273)	5.63 (143)	3/4" NPT	1/2" NPT	1" NPT	9.00 (229)	16.00 (407)	233 (106)	362 (165)	404
CRS-6F Mag	41.00 (1041)	19.00 (483)	27.75 (705)	19.00 (483)	12.75 (324)	6.25 (159)	3/4" NPT	1/2" NPT	1" NPT	8.00 (203)	16.00 (407)	304 (138)	499 (227)	540
CRS-8F Mag	48.00 (1219)	24.00 (610)	33.63 (854)	23.50 (597)	16.00 (406)	7.00 (178)	3/4" NPT	1/2" NPT	1" NPT	27.00 (686)	16.00 (407)	520 (236)	888 (403)	950
CRS-10F Mag	65.00 (1651)	32.00 (813)	37.50 (953)	27.50 (699)	20.00 (508)	8.00 (203)	3/4" NPT	1/2" NPT	1" NPT	15.00 (381)	16.00 (407)	836 (380)	1614 (733)	1,463
CRS-12F Mag	77.00 (1956)	37.50 (953)	42.50 (1080)	32.00 (813)	24.00 (610)	9.00 (229)	3/4" NPT	1/2" NPT	1" NPT	8.50 (216)	16.00 (407)	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.

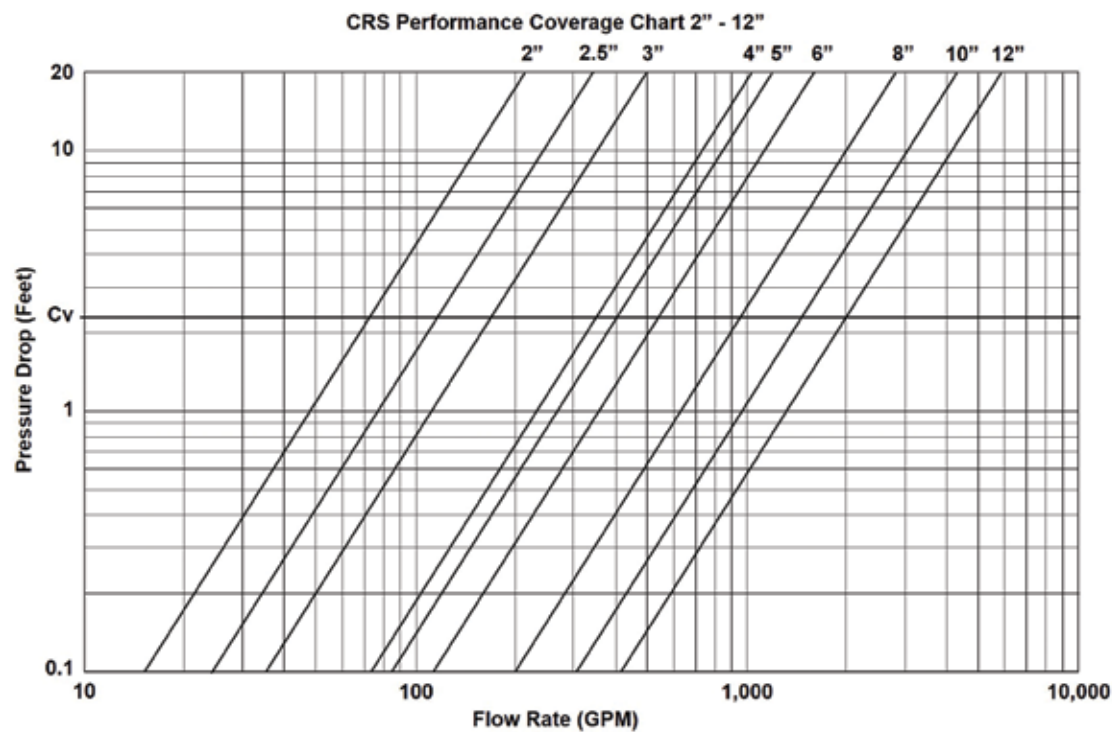


DIMENSIONS AND WEIGHTS

MODEL NUMBER	DIMENSIONS - INCHES (mm)											SHIPPING WEIGHT LBS (KG)	FLOODED WEIGHT LBS (KG)	CV
	A	B	C	D	E	F	G	H	J	K	L			
CRS-2G Mag	25.63 (651)	13.50 (343)	15.25 (387)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	16.00 (407)	80 (37)	108 (49)	72
CRS-2-1/2G Mag	25.63 (651)	13.50 (343)	15.75 (400)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	16.00 (407)	81 (37)	110 (50)	116
CRS-3G Mag	25.63 (651)	13.50 (343)	20.25 (514)	11.00 (279)	6.63 (168)	5.00 (127)	3/4" NPT	1/2" NPT	1" NPT	13.50 (343)	16.00 (407)	83 (38)	114 (52)	168
CRS-4G Mag	29.00 (737)	15.25 (387)	20.63 (524)	13.50 (343)	8.63 (219)	5.38 (137)	3/4" NPT	1/2" NPT	1" NPT	15.00 (381)	16.00 (407)	123 (56)	183 (84)	350
CRS-5G Mag	39.25 (997)	19.00 (483)	27.75 (705)	16.00 (406)	10.75 (273)	5.63 (143)	3/4" NPT	1/2" NPT	1" NPT	9.00 (229)	16.00 (407)	204 (93)	332 (151)	404
CRS-6G Mag	41.00 (1041)	19.00 (483)	27.75 (705)	19.00 (483)	12.75 (324)	6.25 (159)	3/4" NPT	1/2" NPT	1" NPT	8.00 (203)	16.00 (407)	269 (123)	464 (211)	540
CRS-8G Mag	48.00 (1219)	24.00 (610)	33.63 (854)	23.50 (597)	16.00 (406)	7.00 (178)	3/4" NPT	1/2" NPT	1" NPT	27.00 (686)	16.00 (407)	464 (211)	832 (378)	950
CRS-10G Mag	65.00 (1651)	32.00 (813)	37.50 (953)	27.50 (699)	20.00 (508)	8.00 (203)	3/4" NPT	1/2" NPT	1" NPT	15.00 (381)	16.00 (407)	759 (345)	1536 (697)	1,463
CRS-12G Mag	77.00 (1956)	37.50 (953)	42.50 (1080)	32.00 (813)	24.00 (610)	9.00 (229)	3/4" NPT	1/2" NPT	1" NPT	8.50 (216)	16.00 (407)	1119 (508)	2445 (1110)	2,000

IMPORTANT NOTES

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