

JOB:
REPRESENTATIVE:

 UNIT TAG:
 ENGINEER:
 CONTRACTOR:

 ORDER NUMBER:
 SUBMITTED BY:
 APPROVED BY:

 DATE:
 DATE:
 DATE:


CRSD-HV Mag

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

DESCRIPTION

The Bell & Gossett CRSD-HV is a 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)

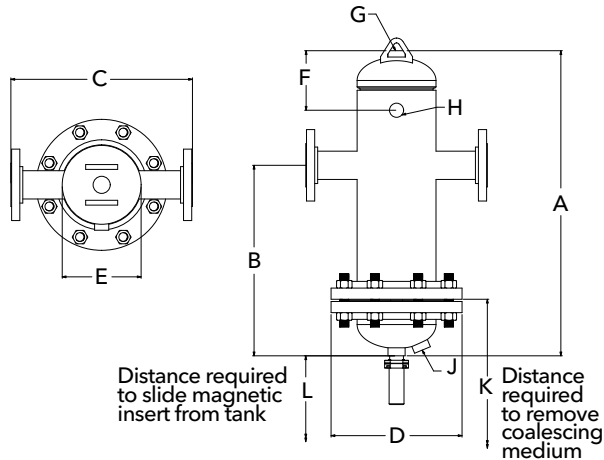
Min Temperature: -20°F (-29°C)

* Consult factory for higher working pressures or temperatures.

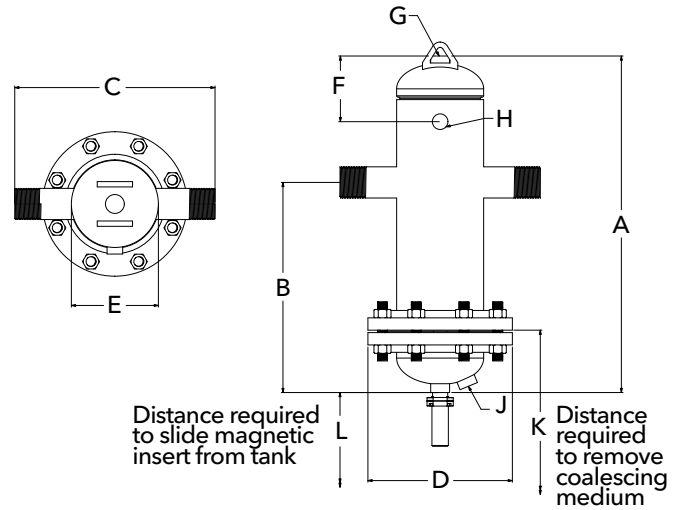
SCHEDULE

PART NUMBER	MODEL NUMBER	INLET/OUTLET CONNECTION	RECOMMENDED CAPACITY IN GPM (M ³ /HR)	TAGGING INFORMATION	QUANTITY
5338-02N-15-004	CRSD-2N-HV Mag	2" NPT Male	105 (24)		
5338-02F-15-004	CRSD-2F-HV Mag	2" Flanged	105 (24)		
5338-02G-15-004	CRSD-2G-HV Mag	2" Grooved	105 (24)		
5338-25N-15-004	CRSD-2-1/2N-HV Mag	2.5" NPT Male	155 (35)		
5338-25F-15-004	CRSD-2-1/2F-HV Mag	2.5" Flanged	155 (35)		
5338-25G-15-004	CRSD-2-1/2G-HV Mag	2.5" Grooved	155 (35)		
5338-03N-15-004	CRSD-3N-HV Mag	3" NPT Male	225 (51)		
5338-03F-15-004	CRSD-3F-HV Mag	3" Flanged	225 (51)		
5338-03G-15-004	CRSD-3G-HV Mag	3" Grooved	225 (51)		
5338-04N-15-004	CRSD-4N-HV Mag	4" NPT Male	405 (92)		
5338-04F-15-004	CRSD-4F-HV Mag	4" Flanged	405 (92)		
5338-04G-15-004	CRSD-4G-HV Mag	4" Grooved	405 (92)		
5338-05F-15-004	CRSD-5F-HV Mag	5" Flanged	630 (143)		
5338-05G-15-004	CRSD-5G-HV Mag	5" Grooved	630 (143)		
5338-06F-15-004	CRSD-6F-HV Mag	6" Flanged	910 (207)		
5338-06G-15-004	CRSD-6G-HV Mag	6" Grooved	910 (207)		
5338-08F-15-004	CRSD-8F-HV Mag	8" Flanged	1,610 (366)		
5338-08G-15-004	CRSD-8G-HV Mag	8" Grooved	1,610 (366)		
5338-10F-15-004	CRSD-10F-HV Mag	10" Flanged	2,350 (534)		
5338-10G-15-004	CRSD-10G-HV Mag	10" Grooved	2,350 (534)		
5338-12F-15-004	CRSD-12F-HV Mag	12" Flanged	3,500 (795)		
5338-12G-15-004	CRSD-12G-HV Mag	12" Grooved	3,500 (795)		

Flanged Models



NPT Models

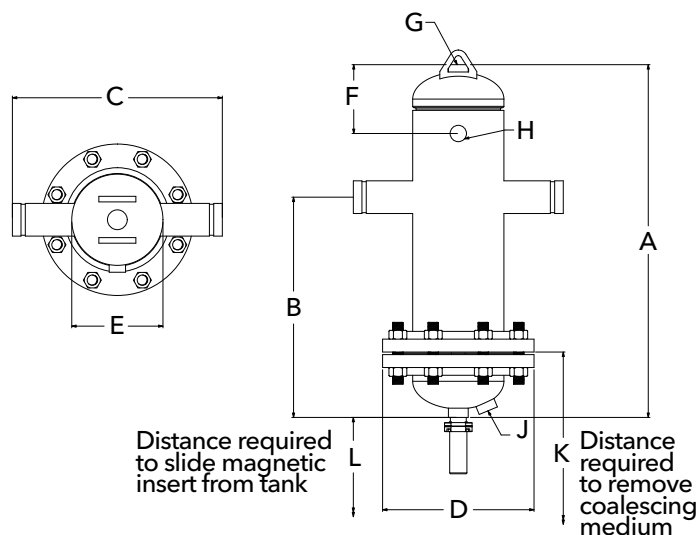


DIMENSIONS AND WEIGHTS

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			
CRSD-2N-HV Mag	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)	16.00 (407)	80 (37)	108 (49)	72
CRSD-2-1/2N-HV Mag	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)	16.00 (407)	81 (37)	110 (50)	116
CRSD-3N-HV Mag	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)	16.00 (407)	83 (38)	114 (52)	168
CRSD-4N-HV Mag	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)	16.00 (407)	123 (56)	183	350
CRSD-2F-HV Mag	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)	16.00 (407)	90 (41)	118 (54)	72
CRSD-2-1/2F-HV Mag	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)	16.00 (407)	96 (44)	125 (57)	116
CRSD-3F-HV Mag	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)	16.00 (407)	101 (46)	132 (60)	168
CRSD-4F-HV Mag	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)	16.00 (407)	149 (68)	209 (95)	350
CRSD-5F-HV Mag	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)	16.00 (407)	233 (106)	362 (165)	404
CRSD-6F-HV Mag	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)	16.00 (407)	304 (138)	499 (227)	540
CRSD-8F-HV Mag	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)	16.00 (407)	520 (236)	888 (403)	950
CRSD-10F-HV Mag	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)	16.00 (407)	836 (380)	1614 (733)	1,463
CRSD-12F-HV Mag	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)	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.

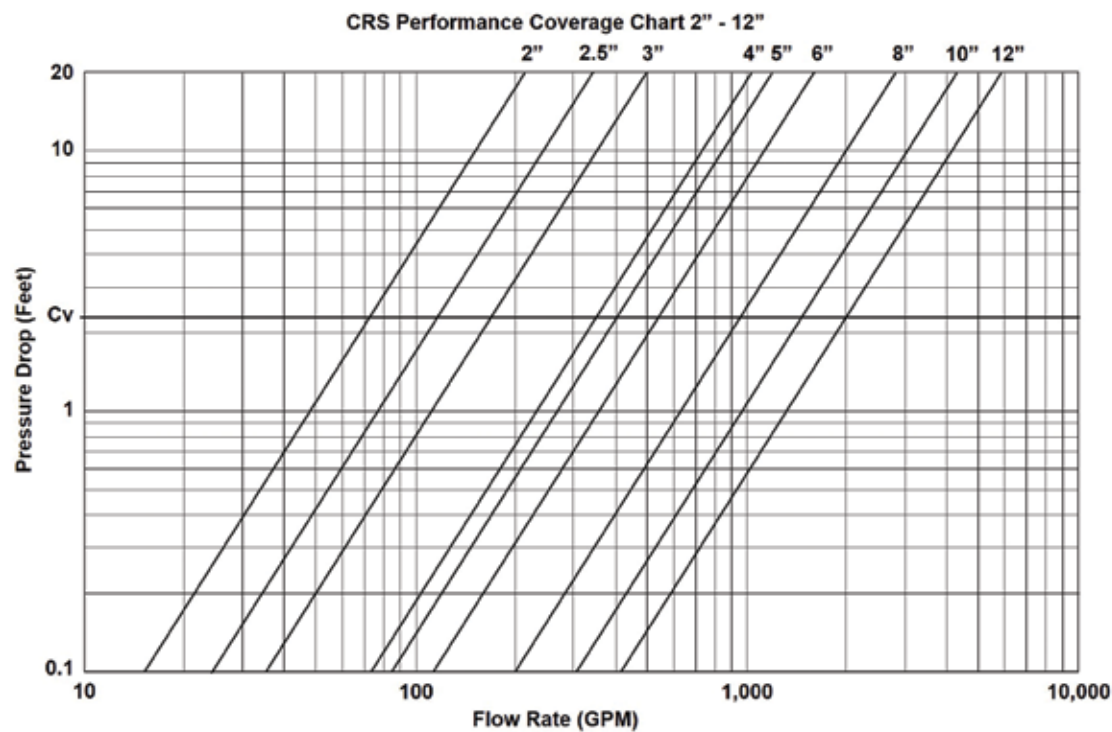


DIMENSIONS AND WEIGHTS

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			
CRSD-2G-HV Mag	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)	16.00 (407)	80 (37)	108 (49)	72
CRSD-2-1/2G-HV Mag	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)	16.00 (407)	81 (37)	110 (50)	116
CRSD-3G-HV Mag	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)	16.00 (407)	83 (38)	114 (52)	168
CRSD-4G-HV Mag	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)	16.00 (407)	123 (56)	183 (84)	350
CRSD-5G-HV Mag	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)	16.00 (407)	204 (93)	332 (151)	404
CRSD-6G-HV Mag	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)	16.00 (407)	269 (123)	464 (211)	540
CRSD-8G-HV Mag	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)	16.00 (407)	464 (211)	832 (378)	950
CRSD-10G-HV Mag	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)	16.00 (407)	759 (345)	1536 (697)	1,463
CRSD-12G-HV Mag	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)	16.00 (407)	1119 (508)	2445 (1110)	2,000

IMPORTANT NOTES

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Xylem Inc.
8200 N. Austin Avenue
Morton Grove, IL 60053
Tel: (847) 966-3700 Fax: (847) 965-8379
www.xylem.com/bellgossett