

JOB:
REPRESENTATIVE:

 UNIT TAG:
 ENGINEER:
 CONTRACTOR:

 ORDER NUMBER:
 SUBMITTED BY:
 APPROVED BY:

 DATE:
 DATE:
 DATE:


CRS

Coalescing medium style air & sediment separator with removable head

DESCRIPTION

The Bell & Gossett CRS is a combination air & sediment separator that utilizes a coalescing medium to remove impurities from 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)

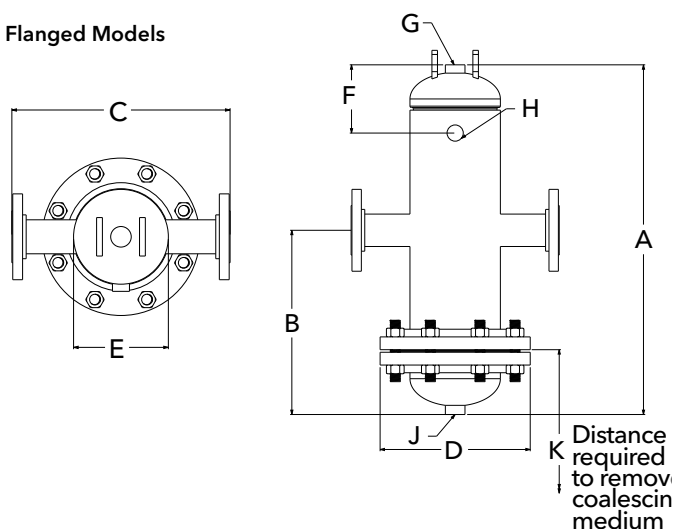
Min Temperature: -20°F (-29°C)

* Consult factory for higher working pressures or temperatures.

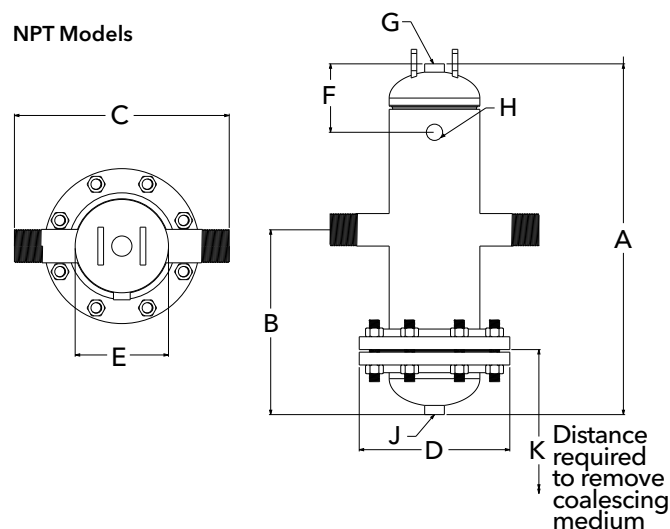
SCHEDULE

PART NUMBER	MODEL NUMBER	INLET/OUTLET CONNECTION	RECOMMENDED CAPACITY IN GPM (M ³ /HR)	TAGGING INFORMATION	QUANTITY
5333-02N-15-001	CRS-2N	2" NPT Male	62 (14)		
5333-02F-15-001	CRS-2F	2" Flanged	62 (14)		
5333-02G-15-001	CRS-2G	2" Grooved	62 (14)		
5333-25N-15-001	CRS-2-1/2N	2.5" NPT Male	96 (22)		
5333-25F-15-001	CRS-2-1/2F	2.5" Flanged	96 (22)		
5333-25G-15-001	CRS-2-1/2G	2.5" Grooved	96 (22)		
5333-03N-15-001	CRS-3N	3" NPT Male	138 (31)		
5333-03F-15-001	CRS-3F	3" Flanged	138 (31)		
5333-03G-15-001	CRS-3G	3" Grooved	138 (31)		
5333-04N-15-001	CRS-4N	4" NPT Male	245 (56)		
5333-04F-15-001	CRS-4F	4" Flanged	245 (56)		
5333-04G-15-001	CRS-4G	4" Grooved	245 (56)		
5333-05F-15-001	CRS-5F	5" Flanged	383 (87)		
5333-05G-15-001	CRS-5G	5" Grooved	383 (87)		
5333-06F-15-001	CRS-6F	6" Flanged	550 (125)		
5333-06G-15-001	CRS-6G	6" Grooved	550 (125)		
5333-08F-15-001	CRS-8F	8" Flanged	980 (223)		
5333-08G-15-001	CRS-8G	8" Grooved	980 (223)		
5333-10F-15-001	CRS-10F	10" Flanged	1,530 (348)		
5333-10G-15-001	CRS-10G	10" Grooved	1,530 (348)		
5333-12F-15-001	CRS-12F	12" Flanged	2,205 (501)		
5333-12G-15-001	CRS-12G	12" Grooved	2,205 (501)		

Flanged Models



NPT Models

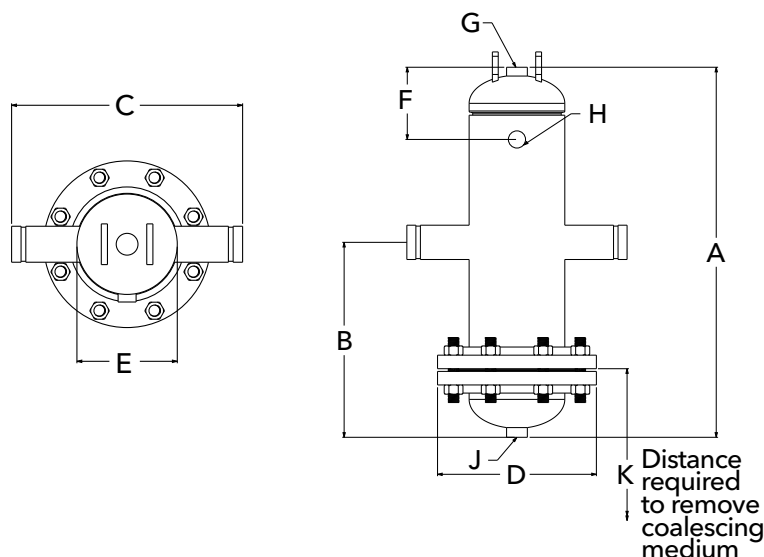


DIMENSIONS AND WEIGHTS

MODEL NUMBER	DIMENSIONS - INCHES (mm)										SHIPPING WEIGHT LBS (KG)	FLOODED WEIGHT LBS (KG)	CV
	A	B	C	D	E	F	G	H	J	K			
CRS-2N	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)	80 (37)	108 (49)	72
CRS-2-1/2N	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)	81 (37)	110 (50)	116
CRS-3N	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)	83 (38)	114 (52)	168
CRS-4N	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)	123 (56)	183 (84)	350
CRS-2F	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)	90 (41)	118 (54)	72
CRS-2-1/2F	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)	96 (44)	125 (57)	116
CRS-3F	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)	101 (46)	132 (60)	168
CRS-4F	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)	149 (68)	209 (95)	350
CRS-5F	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)	233 (106)	362 (165)	404
CRS-6F	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)	304 (138)	499 (227)	540
CRS-8F	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)	520 (236)	888 (403)	950
CRS-10F	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)	836 (380)	1614 (733)	1,463
CRS-12F	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)	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.

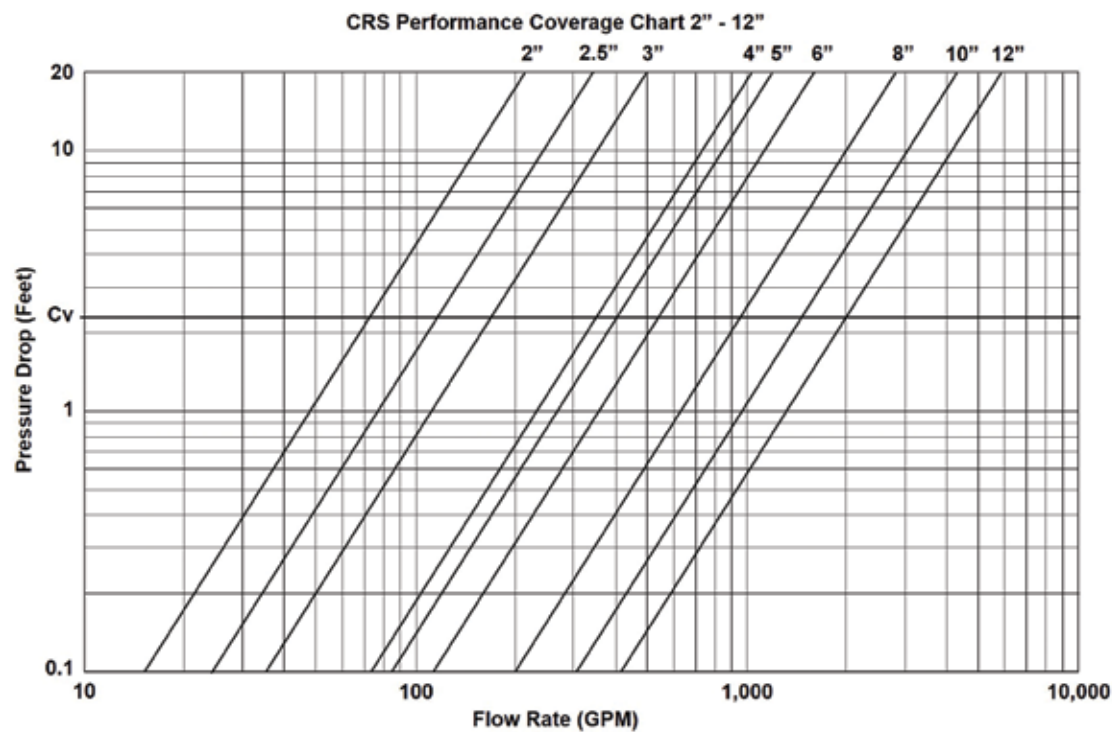


DIMENSIONS AND WEIGHTS

MODEL NUMBER	DIMENSIONS - INCHES (mm)										SHIPPING WEIGHT LBS (KG)	FLOODED WEIGHT LBS (KG)	CV
	A	B	C	D	E	F	G	H	J	K			
CRS-2G	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)	80 (37)	108 (49)	72
CRS-2-1/2G	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)	81 (37)	110 (50)	116
CRS-3G	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)	83 (38)	114 (52)	168
CRS-4G	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)	123 (56)	183 (84)	350
CRS-5G	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)	204 (93)	332 (151)	404
CRS-6G	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)	269 (123)	464 (211)	540
CRS-8G	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)	464 (211)	832 (378)	950
CRS-10G	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)	759 (345)	1536 (697)	1,463
CRS-12G	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)	1119 (508)	2445 (1110)	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.



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