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Description

The CREG is a supply/return register with a contoured face that mounts directly on spiral ductwork. It has adjustable double deflection blades that allow for 4-way airflow and half length screwdriver operated volume adjusting scoop.

Duct diameter must be 4" larger than height (H) of diffuser. Registers are manufactured to fit duct diameters 8" - 48".

Materials and finish

Galvanized sheet steel (standard).
Custom finishes are available. Call for details.

Register nom. size W x H (in)	Min. duct diameter (in)	Free area (ft ²)	Duct opening W X H (in)	Weight (lbs)
12 x 4	8	0.231	12 x 4	1.8
14 x 4	8	0.271	14 x 4	2.1
12 x 6	10	0.362	12 x 6	2.5
14 x 6	10	0.425	14 x 6	2.9
16 x 6	10	0.488	16 x 6	3.3

Order example

	CREG	12	4	16	Galv	None
Product						
Width (W)						
Height (H)						
Diameter of Duct						
Material						
Finish						

Core velocity (fpm)			300	400	500	600	700	800	1000	1200
Velocity Pressure			0.004	0.008	0.013	0.018	0.025	0.033	0.051	0.074
Size										
A _c 0.231 (ft ²) 12 x 4	cfm		69	92	116	139	162	185	231	277
	NC	0°	< 20	< 20	< 20	20	25	30	35	40
	Throw ft	0°	5 6 6.5	6 7 9	8 9 11	9 10 14	11 12 16	12 14 18	14 16 24	16 18 28
A _c 0.271 (ft ²) 14 x 4	cfm		81	108	136	163	190	217	271	325
	NC	0°	< 20	< 20	< 20	20	25	30	35	40
	Throw ft	0°	5 7 8	7 8 10	10 11 13	11 12 16	13 15 20	14 16 22	16 19 29	19 22 34
A _c 0.362 (ft ²) 12 x 6	cfm		109	145	181	217	254	290	362	435
	NC	0°	< 20	< 20	< 20	20	25	30	35	40
	Throw ft	0°	6 7 8	8 9 11	10 12 14	12 13 18	14 16 21	16 18 24	18 21 32	22 26 38
A _c 0.425 (ft ²) 14 x 6	cfm		128	170	213	255	298	340	425	510
	NC	0°	< 20	< 20	< 20	20	25	30	35	40
	Throw ft	0°	6 8 9	9 10 12	11 12 15	12 14 19	14 16 22	17 19 25	19 22 33	22 26 39
A _c 0.488 (ft ²) 16 x 6	cfm		146	195	244	293	342	391	488	586
	NC	0°	< 20	< 20	< 20	20	25	30	35	40
	Throw ft	0°	7 8 10	9 10 12	11 13 16	13 15 20	15 17 23	17 20 26	19 22 34	23 27 40

Performance notes:

- 1.) Performance data calculated with blades set at 0°.
- 2.) Engineering based off nominal face dimension.
- 3.) Throw values are measured in feet for terminal velocities of 150/100/50 FPM.
- 4.) Throw data is based on supply air and room air both at isothermal conditions.
- 5.) Effective core areas listed in chart are defined as the measurement of space between the blades actually utilized by the air.
- 6.) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006.