

CERAMIC RIBBON HEATERS

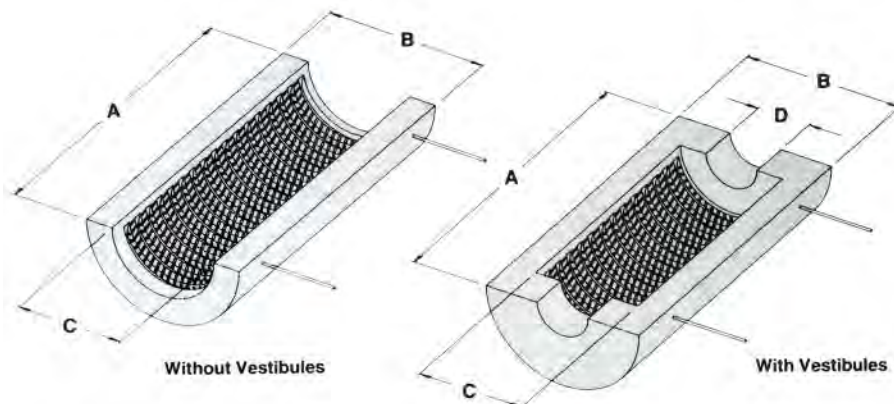
Ultra-High Temperature, Helically Wound

CRRS Series
Starts at
\$295

- ✓ Helically Wound Ribbon Iron-Chrome-Aluminum
- ✓ Rated to 1800°F (900°C)
- ✓ Low Mass Vacuum Formed Ceramic Fiber
- ✓ Use Two Semi-Cylindrical Units to Form a Full Cylinder

APPLICATIONS

- ✓ Pipe Heating
- ✓ Process Air Heating
- ✓ Calibration Ovens
- ✓ Strain Annealing Ovens
- ✓ Tube Furnace



With the CRRS and CRFP Series the helically wound iron-chrome-aluminum ribbon elements are mounted in ridges which permits heat dissipation in three directions, thereby transferring more radiant heat energy to work chamber and load. Using this design effectively triples the radiant heating surface. The unique design allows for two semi-cylindrical units to be combined to form a full cylinder heating element.

SPECIFICATIONS

Semi-Cylindrical Helically Wound Ribbon Models:

Wattage: 800 to 9500 Watts

Voltage:

120 and 240 Vac single and dual circuits

SEMI-CYLINDRICAL HELICALLY WOUND RIBBON MODELS MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model No.)									
Watts	Volts	Dimensions: cm (in)				Without Vestibules		With Vestibules	
		A DIM*	B DIM	C DIM	D DIM	Model No.	Price	Model No.	Price
800	120	15 (6)	28 (11)	18 (7)	13 (5)	CRRS-67/120-A	\$295	CRRS-67/120C-A	\$315
1600	240	30 (12)	28 (11)	18 (7)	13 (5)	CRRS-127/240-A	415	CRRS-127/240C-A	470
2400	240	46 (18)	28 (11)	18 (7)	13 (5)	CRRS-187/240-A	625	CRRS-187/240C-A	685
3200	240	61 (24)	28 (11)	18 (7)	13 (5)	CRRS-247/240-A	870	CRRS-247/240C-A	965
900	120	15 (6)	30 (12)	20 (8)	15 (6)	CRRS-68/120-A	295	CRRS-68/120C-A	325
1800	240	30 (12)	30 (12)	20 (8)	15 (6)	CRRS-128/240-A	430	CRRS-128/240C-A	676
2700	240	46 (18)	30 (12)	20 (8)	15 (6)	CRRS-188/240-A	676	CRRS-188/240C-A	745
3600	240	61 (24)***	30 (12)	20 (8)	15 (6)	CRRS-248/240-A	940	CRRS-248/240C-A	1025
2250	240	30 (12)	36 (14)	25 (10)	20 (8)	CRRS-1210/240-A	555	CRRS-1210/240C-A	610
3375	240	46 (18)	36 (14)	25 (10)	20 (8)	CRRS-1810/240-A	810	CRRS-1810/240C-A	895
4500	240	61 (24)***	36 (14)	25 (10)	20 (8)	CRRS-2410/240-A	1145	CRRS-2410/240C-A	1150
2700	240	30 (12)	41 (16)	30 (12)	25 (10)	CRRS-1212/240-A	685	CRRS-1212/240C-A	765
4050	240	46 (18)	41 (16)	30 (12)	25 (10)	CRRS-1812/240-A	965	CRRS-1812/240C-A	1075
5400	240	61 (30)	12 (25)	12 (35)	25 (10)	CRRS-2412/240-A	1195	CRRS-2412/240C-A	1315
3400	240	30 (12)	48 (19)	38 (15)	33 (13)	CRRS-1215/240-A	885	CRRS-1215/240C-A	965
5100	240	46 (18)	48 (19)	38 (15)	33 (13)	CRRS-1815/240-A	965	CRRS-1815/240C-A	1210
6800	240**	61 (24)***	48 (19)	38 (15)	33 (13)	CRRS-2415/240-A	1615	CRRS-2415/240C-A	1785
4100	240	30 (12)	56 (22)	46 (18)	41 (16)	CRRS-1218/240-A	1015	CRRS-1218/240C-A	1135
6150	240**	46 (18)	56 (22)	46 (18)	41 (16)	CRRS-1818/240-A	1335	CRRS-1818/240C-A	1475
8200	240**	61 (24)***	56 (22)	46 (18)	41 (16)	CRRS-2418/240-A	1950	CRRS-2418/240C-A	2100
4750	240	30 (12)	64 (25)	53 (21)	48 (19)	CRRS-1221/240-A	1200	CRRS-1221/240C-A	1315
7125	240**	46 (18)	64 (25)	53 (21)	48 (19)	CRRS-1821/240-A	1495	CRRS-1821/240C-A	1625
9500	240**	61 (24)***	64 (25)	53 (21)	48 (19)	CRRS-2421/240-A	2100	CRRS-2421/240C-A	2325

* Add 3" for units with vestibules

** Dual 240 Vac circuits

*** Using two 12" long heaters; the indicated wattage is the total of two 12" long heaters.

Ordering Example: CRRS-67/120C-A is an 800 watt 120 Vac heater, 6" long with a 7" ID and 3" unheated vestibules, \$315.

CERAMIC RIBBON HEATERS

Flat Plate Ceramic Heating Elements

CRRS Series
Starts at

\$160

- ✓ Rated to 1800°F (900°C)
- ✓ Helically Wound Ribbon Iron-Chrome-Aluminum
- ✓ Low Mass Vacuum Formed Ceramic Fiber
- ✓ Optional Unheated Flanges
- ✓ Low Watt Density
- ✓ Fast Heat-Up and Cool Down

APPLICATIONS FOR CRFP MODELS

- ✓ Heat Treating Furnaces
- ✓ Fluidized Bed Furnaces
- ✓ Process Air Heating
- ✓ Pipe Heating

SPECIFICATIONS

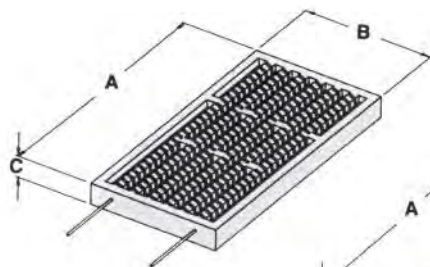
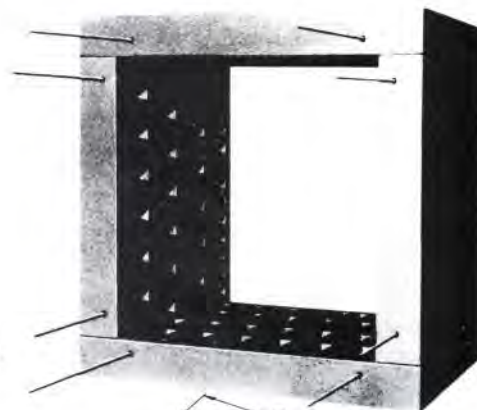
Flat Plate Models:

Wattage: 300 to 6200 Watts

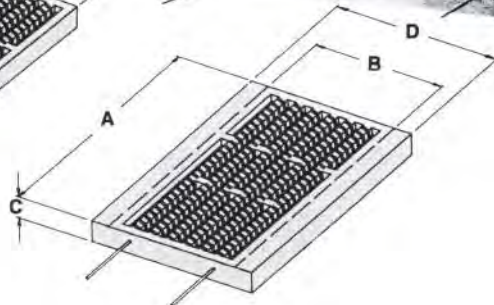
Voltage: 60, 120, and 240 Vac Single and dual/circuits

Two flat plate fiber heaters matched with 2 flanged flat plate fiber heaters to form box with 4 heated sides.

Many sizes of heaters available to form square or rectangular shaped chambers of various depths.



Flat plate without flanges. surface is fully heated.



Flat plate with unheated flanges. All flange plates have 51 mm (2") wide unheated flanges on each side of heated area.

CRFP Series—Flat Plate Models

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model No.)

Watts	Volts	Dimensions: cm (in)				Without Flanges		With Flanges	
		A DIM	B DIM	C DIM	D DIM	Model No.	Price	Model No.	Price
300	60	15 (6)	10 (4)	5 (2)	20 (8)	CRFP-64/60-A	\$160	CRFP-64/60-C-A	\$151
600	120	3 (12)	10 (4)	5 (2)	20 (8)	CRFP-124/120-A	194	CRFP-124/120-C-A	201
400	60	15 (6)	15 (6)	5 (2)	25 (10)	CRFP-66/60-A	168	CRFP-66/60-C-A	176
800	120	30 (12)	15 (6)	5 (2)	25 (10)	CRFP-126/120-A	210	CRFP-126/120-C-A	219
1250	120	46 (18)	15 (6)	5 (2)	25 (10)	CRFP-186/120-A	298	CRFP-186/120-C-A	316
1650	240	61 (24)	15 (6)	5 (2)	25 (10)	CRFP-246/240-A	334	CRFP-246/240-C-A	347
1100	120	30 (12)	20 (8)	5 (2)	30 (12)	CRFP-128/120-A	272	CRFP-128/120-C-A	289
1650	240	46 (18)	20 (8)	5 (2)	30 (12)	CRFP-188/240-A	316	CRFP-188/240-C-A	334
2200	240	61 (24)	20 (8)	5 (2)	30 (12)	CRFP-248/240-A	428	CRFP-248/240-C-A	455
1375	240	30 (12)	25 (10)	5 (2)	36 (14)	CRFP-1210/240-A	289	CRFP-1210/240-C-A	305
2050	240	46 (18)	25 (10)	5 (2)	36 (14)	CRFP-1810/240-A	376	CRFP-1810/240-C-A	411
2750	240	61 (24)	25 (10)	5 (2)	36 (14)	CRFP-2410/240-A	549	CRFP-2410/240-C-A	602
3400	240	76 (30)	25 (10)	5 (2)	36 (14)	CRFP-3010/240-A	671	CRFP-3010/240-C-A	742
1650	240	30 (12)	30 (12)	5 (2)	41 (16)	CRFP-1212/240-A	342	CRFP-1212/240-C-A	376
2460	240	46 (18)	30 (12)	5 (2)	41 (16)	CRFP-1812/240-A	461	CRFP-1812/240-C-A	506
3280	240	61 (24)	30 (12)	5 (2)	41 (16)	CRFP-2412/240-A	653	CRFP-2412/240-C-A	724
4100	240	76 (30)	30 (12)	5 (2)	41 (16)	CRFP-3012/240-A	774	CRFP-3012/240-C-A	854
3700	240	46 (18)	46 (18)	5 (2)	56 (22)	CRFP-1818/240-A	715	CRFP-1818/240-C-A	785
5000	240	61 (24)	46 (18)	5 (2)	56 (22)	CRFP-2418/240-A	750	CRFP-2418/240-C-A	827
6200	240*	76 (30)	46 (18)	5 (2)	56 (22)	CRFP-3018/240-A	1132	CRFP-3018/240-C-A	1244

*Dual 240 Vac circuits

Ordering Example: CRFP-1812/240-C-A is a 2460 watt heater with vestibules powered by 240 Vac, \$506.



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