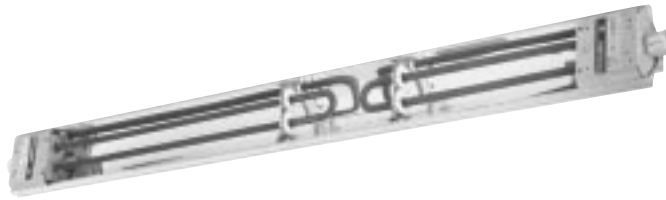


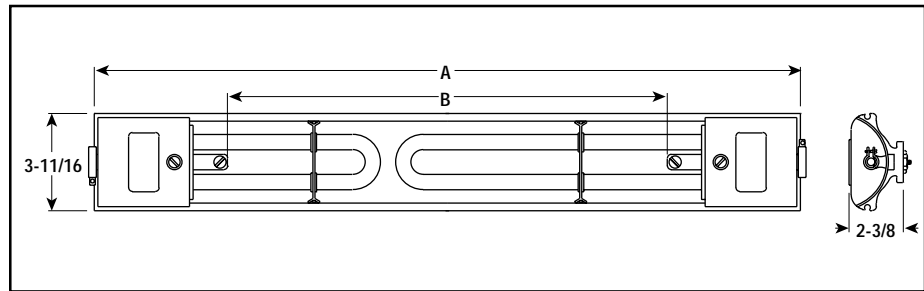
U-RAD®

Double Hairpin Element Radiant Heater

- 3.66 kW/Ft²
- 1.6 - 7.2 kW
- 120, 208, 240, 275 and 480 Volt
- 3/8" Dia. INCOLOY® Sheath Elements (type UTU)
- 1500°F Max. Sheath Temp.



Dimensions (Inches)



Applications

- Roll Heating
- Shrink Fitting
- Preheat Glass for Polishing, Drying, Sterilizing
- Fast-Moving Webs and other applications where high temperatures will not damage materials

Features

Complete, Ready-to-Connect Assembly with adjustable terminal housing, which permits easy interchange of elements to accommodate work of varying dimensions.

Movable Mounting Clamps and Bolts are supplied to accommodate many mounting configurations such as banks, tunnels and oven sections.

Process Temperature Control — Radiant heater output may be controlled with Chromalox SCR Power Controllers, Percentage Timing Input Controls and Non-Contact Temperature Sensors. See the Controls section of this catalog.

Additional Sizes and Ratings — Contact your Local Chromalox Sales office for price and availability.

Construction

Enclosed Chromalox Alloy-Sheath Tubular Heating Element is completely isolated and supported on secondary insulation for improved electrical safety. Designed for long life, the element is more resistant to hard blows than quartz lamp or tube and open coil types.

Rigid Extruded Aluminum Housing protects heating element from harsh industrial environments.

Highly Polished Aluminum Reflectors give good reflectivity and heat transfer, and are easily cleaned to maintain energy efficiency.

Accessories

Protective Grille — Optional snap-in sections help protect personnel and work from contact with hot elements.

Companion Reflector — Optional radiant companion reflectors improve oven efficiency. See Radiant Accessories in this section.

Specifications and Ordering Information

kW	Volts	Length (In.)		Model	Stock	PCN	Optional Grille ²	Replacement Elements ¹	Wt. (Lbs.)
		Overall A	Heated B						
1.6	120	25-1/2	16-5/8	U-RAD-22	AS	110891	(1) GR-2	(2) UTU-2	8
1.6	208	25-1/2	16-5/8	U-RAD-22V	AS	110904	(1) GR-2	(2) UTU-2V	8
1.6	240	25-1/2	16-5/8	U-RAD-22	AS	110912	(1) GR-2	(2) UTU-2	8
1.6	275	25-1/2	16-5/8	U-RAD-22V	AS	110920	(1) GR-2	(2) UTU-2V	8
1.9	120	28-5/8	19-3/4	U-RAD-32	AS	110939	(1) GR-2	(1) UTU-2, (1) UTU-3	9
1.9	208	28-5/8	19-3/4	U-RAD-32V	AS	110947	(1) GR-2	(1) UTU-2V, (1) UTU-3V	9
1.9	240	28-5/8	19-3/4	U-RAD-32	AS	110955	(1) GR-2	(1) UTU-2, (1) UTU-3	9
1.9	275	28-5/8	19-3/4	U-RAD-32V	AS	110963	(1) GR-2	(1) UTU-2V, (1) UTU-3V	9

U-RAD®

Double Hairpin Element Radiant Heater (cont'd.)

Specifications and Ordering Information

kW	Volts	Length (In.)		Model	Stock	PCN	Optional Grille ²	Replacement Elements ¹	Wt. (Lbs.)
		Overall A	Heated B						
2.2	120	31-3/4	22-7/8	U-RAD-33	AS	110971	(1) GR-3	(2) UTU-3	10
2.2	208	31-3/4	22-7/8	U-RAD-33V	AS	110980	(1) GR-3	(2) UTU-3V	10
2.2	240	31-3/4	22-7/8	U-RAD-33	AS	110998	(1) GR-3	(2) UTU-3	10
2.2	275	31-3/4	22-7/8	U-RAD-33V	AS	111000	(1) GR-3	(2) UTU-3V	10
2.6	208	36-9/16	27-11/16	U-RAD-42V	AS	111026	(1) GR-3	(1) UTU-2V, (1) UTU-4V	11
2.6	240	36-9/16	27-11/16	U-RAD-42	AS	111018	(1) GR-3	(1) UTU-2, (1) UTU-4	11
2.6	275	36-9/16	27-11/16	U-RAD-42V	AS	111034	(1) GR-3	(1) UTU-2V, (1) UTU-4V	11
2.9	208	39-11/16	30-13/16	U-RAD-43V	AS	111050	(2) GR-2	(1) UTU-3V, (1) UTU-4V	12
2.9	240	39-11/16	30-13/16	U-RAD-43	AS	111042	(2) GR-2	(1) UTU-3, (1) UTU-4	12
2.9	275	39-11/16	30-13/16	U-RAD-43V	AS	111069	(2) GR-2	(1) UTU-3V, (1) UTU-4V	12
3.6	208	47-9/16	38-11/16	U-RAD-44V	AS	111085	(1) GR-4	(2) UTU-4V	13
3.6	240	47-9/16	38-11/16	U-RAD-44	AS	111077	(1) GR-4	(2) UTU-4	13
3.6	275	47-9/16	38-11/16	U-RAD-44V	AS	111093	(1) GR-4	(2) UTU-4V	13
3.3	208	44	35-1/8	U-RAD-52V	AS	111114	(2) GR-2	(1) UTU-2V, (1) UTU-5V	11
3.3	240	44	35-1/8	U-RAD-52	AS	111106	(2) GR-2	(1) UTU-2, (1) UTU-5	11
3.3	275	44	35-1/8	U-RAD-52V	AS	111122	(2) GR-2	(1) UTU-2V, (1) UTU-5V	11
3.6	208	47-1/8	38-1/4	U-RAD-53V	AS	111149	(1) GR-4	(1) UTU-3V, (1) UTU-5V	12
3.6	240	47-1/8	38-1/4	U-RAD-53	AS	111130	(1) GR-4	(1) UTU-3, (1) UTU-5	12
3.6	275	47-1/8	38-1/4	U-RAD-53V	AS	111157	(1) GR-4	(1) UTU-3V, (1) UTU-5V	12
4.3	208	55-1/16	46-3/16	U-RAD-54V	AS	111173	(3) GR-2	(1) UTU-4V, (1) UTU-5V	14
4.3	240	55-1/16	46-3/16	U-RAD-54	AS	111165	(3) GR-2	(1) UTU-4, (1) UTU-5	14
4.3	275	55-1/16	46-3/16	U-RAD-54V	AS	111181	(3) GR-2	(1) UTU-4V, (1) UTU-5V	14
5	208	62-7/16	53-9/16	U-RAD-55V	AS	111202	(1) GR-5	(2) UTU-5V	15
5	240	62-7/16	53-9/16	U-RAD-55	AS	111190	(1) GR-5	(2) UTU-5	15
5	275	62-7/16	53-9/16	U-RAD-55V	AS	111229	(1) GR-5	(2) UTU-5V	15
5	480	62-7/16	53-9/16	U-RAD-55	AS	111210	(1) GR-5	(2) UTU-5	15
3.8	208	50	41-1/8	U-RAD-62V	AS	111245	(1) GR-2, (1) GR-3	(1) UTU-2V, (1) UTU-6V	13
3.8	240	50	41-1/8	U-RAD-62	AS	111237	(1) GR-2, (1) GR-3	(1) UTU-2, (1) UTU-6	13
3.8	275	50	41-1/8	U-RAD-62V	AS	111253	(1) GR-2, (1) GR-3	(1) UTU-2V, (1) UTU-6V	13
4.1	208	53-1/8	44-1/4	U-RAD-63V	AS	111270	(2) GR-3	(1) UTU-3V, (1) UTU-6V	14
4.1	240	53-1/8	44-1/4	U-RAD-63	AS	111261	(2) GR-3	(1) UTU-3, (1) UTU-6	14
4.1	275	53-1/8	44-1/4	U-RAD-63V	AS	111288	(2) GR-3	(1) UTU-3V, (1) UTU-6V	14
4.8	208	61-1/16	52-3/16	U-RAD-64V	AS	111309	(1) GR-5	(1) UTU-4V, (1) UTU-6V	16
4.8	240	61-1/16	52-3/16	U-RAD-64	AS	111296	(1) GR-5	(1) UTU-4, (1) UTU-6	16
4.8	275	61-1/16	52-3/16	U-RAD-64V	AS	111317	(1) GR-5	(1) UTU-4V, (1) UTU-6V	16
5.5	208	68-1/2	59-5/8	U-RAD-65V	AS	111333	(1) GR-3, (1) GR-4	(1) UTU-5V, (1) UTU-6V	17
5.5	240	68-1/2	59-5/8	U-RAD-65	AS	111325	(1) GR-3, (1) GR-4	(1) UTU-5, (1) UTU-6	17
5.5	275	68-1/2	59-5/8	U-RAD-65V	AS	111350	(1) GR-3, (1) GR-4	(1) UTU-5V, (1) UTU-6V	17
5.5	480	68-1/2	59-5/8	U-RAD-65	AS	111341	(1) GR-3, (1) GR-4	(1) UTU-5, (1) UTU-6	17
6	208	74-1/2	65-5/8	U-RAD-66V	AS	111376	(1) GR-6	(2) UTU-6V	20
6	240	74-1/2	65-5/8	U-RAD-66	AS	111368	(1) GR-6	(2) UTU-6	20
6	275	74-1/2	65-5/8	U-RAD-66V	AS	111392	(1) GR-6	(2) UTU-6V	20
6	480	74-1/2	65-5/8	U-RAD-66	AS	111384	(1) GR-6	(2) UTU-6	20
4.4	208	56-1/8	47-1/4	U-RAD-72V	AS	111413	(1) GR-2, (1) GR-4	(1) UTU-2V, (1) UTU-7V	15
4.4	240	56-1/8	47-1/4	U-RAD-72	AS	111405	(1) GR-2, (1) GR-4	(1) UTU-2, (1) UTU-7	15
4.4	275	56-1/8	47-1/4	U-RAD-72V	AS	111421	(1) GR-2, (1) GR-4	(1) UTU-2V, (1) UTU-7V	15
4.7	208	59-1/4	50-3/8	U-RAD-73V	AS	111448	(3) GR-2	(1) UTU-3V, (1) UTU-7V	16
4.7	240	59-1/4	50-3/8	U-RAD-73	AS	111430	(3) GR-2	(1) UTU-3, (1) UTU-7	16
4.7	275	59-1/4	50-3/8	U-RAD-73V	AS	111456	(3) GR-2	(1) UTU-3V, (1) UTU-7V	16
5.4	208	67-1/8	58-1/4	U-RAD-74V	AS	111472	(1) GR-2, (1) GR-4	(1) UTU-4V, (1) UTU-7V	18
5.4	240	67-1/8	58-1/4	U-RAD-74	AS	111464	(1) GR-2, (1) GR-4	(1) UTU-4, (1) UTU-7	18
5.4	275	67-1/8	58-1/4	U-RAD-74V	AS	111480	(1) GR-2, (1) GR-4	(1) UTU-4V, (1) UTU-7V	18
6.1	208	74-1/2	65-5/8	U-RAD-75V	AS	111501	(1) GR-6	(1) UTU-5V, (1) UTU-7V	19
6.1	240	74-1/2	65-5/8	U-RAD-75	AS	111499	(1) GR-6	(1) UTU-5, (1) UTU-7	19
6.1	275	74-1/2	65-5/8	U-RAD-75V	AS	111528	(1) GR-6	(1) UTU-5V, (1) UTU-7V	19
6.1	480	74-1/2	65-5/8	U-RAD-75	AS	111510	(1) GR-6	(1) UTU-5, (1) UTU-7	19
6.6	208	80-5/8	71-3/4	U-RAD-76V	AS	111544	(1) GR-2, (1) GR-5	(1) UTU-6V, (1) UTU-7V	21
6.6	240	80-5/8	71-3/4	U-RAD-76	AS	111536	(1) GR-2, (1) GR-5	(1) UTU-6, (1) UTU-7	21
6.6	275	80-5/8	71-3/4	U-RAD-76V	AS	111560	(1) GR-2, (1) GR-5	(1) UTU-6V, (1) UTU-7V	21
6.6	480	80-5/8	71-3/4	U-RAD-76	AS	111552	(1) GR-2, (1) GR-5	(1) UTU-6, (1) UTU-7	21
7.2	208	86-3/4	77-7/8	U-RAD-77V	AS	111587	(2) GR-4	(2) UTU-7V	24
7.2	240	86-3/4	77-7/8	U-RAD-77	AS	111579	(2) GR-4	(2) UTU-7	24
7.2	275	86-3/4	77-7/8	U-RAD-77V	AS	111608	(2) GR-4	(2) UTU-7V	24
7.2	480	86-3/4	77-7/8	U-RAD-77	AS	111595	(2) GR-4	(2) UTU-7	24

Metal Sheath Radiant

Stock Status: S = stock AS = assembly stock NS = non-stock
To Order—Specify model, PCN, kW, volts, quantity, optional grille and replacement elements (if needed).

1. Refer to Tubular Heaters section.
2. See Accessories in this section for ordering information.