

# SPECTRUM PROCESS HEATERS

## MODULAR RADIANT & QUARTZ INFRARED HEATERS

QUALITY | RELIABILITY | LIFE CYCLE ECONOMICS

**COMPACT MODULAR DESIGN.**  
**HIGH HEAT DENSITY.**  
**FLEXIBILITY.**

### Spectrum Modular Radiant Process Heaters

Our Modular Radiant Process Heaters are engineered to meet the demanding requirements of industrial process heating. A completely modular construction allows for flexibility in widely varying applications. The heaters are supplied with mounting bolts that make heating panel or oven construction simple.



Pictured:  
Spectrum MD Series Heater.

#### MS Series Heaters

Single Element Modular Heater  
Heat Output: 0.8kW to 3.6kW  
Watt Density: 46W per heated inch  
Voltage: 120V, 240V or 480V  
Lengths: 24", 30", 46", 60", 72" or 86"

#### MD Series Heaters

Double Element Modular Heater  
Heat Output: 1.6kW to 7.2kW  
Watt Density: 92W per heated inch  
Voltage: 120V, 240V or 480V  
Lengths: 24", 30", 46", 60", 72" or 86"

#### Features and Benefits

- Rigid, heavy-duty aluminum extrusion housing.
- Highly polished insert reflector.
- Integral sliding mounting bolts.
- Single or double metal sheathed elements.
- Long-life proven in years of industrial use.
- Radiation in the far-infrared absorbed by all solids and liquids and all colors white to black.
- Each unit is a complete heater.

#### Applications

- Process ovens and modular radiant heat components.
- Lamination processes for furniture fabrications.
- Plastic processing, shaping, bending.
- Paper and paperboard processes.
- Dry-moisture, chemicals, powders, ceramics and minerals.
- Curing Thermo-set resins.
- Baking and curing paints finishes, inks and coatings.
- Textile and non-woven fabric processes.

### Spectrum QPH Quartz Process Heaters

Our QPH heaters use fast acting quartz nichrome heating elements for quick and high intensity infrared heat. Mirror polished aluminum reflectors direct the infrared heat for even heat application without hot spots. Special engineering features include easy mounting for oven or heat panel applications and total reliability without distortion at all heat levels. These heaters are heavy duty, constructed using aluminum extrusion and stainless steel fasteners.

#### Standard Features

Heat Output: 1.2kW to 48kW  
Voltage: 240V or 480V  
Lengths: 60" or 72"  
Quartz nichrome heating elements  
Mirror polished aluminum reflectors

#### Applications

- High-speed laminations.
- Curing resins and coatings.
- Plastics fabrication.
- Oven construction.
- Dying and curing operations.

# SPECTRUM PROCESS HEATERS

## MODULAR RADIANT & QUARTZ INFRARED HEATERS

### QPH Quartz Process Heaters Selection Guide

Part Number	Phase	# of Elements	Dimensions
QPH-3-(V)-(W)-60	3	3	60" x 12.00" x 7.06"
QPH-3-(V)-(W)-72	3	3	72" x 12.00" x 7.06"
QPH-6-(V)-(W)-60	3	6	60" x 23.25" x 7.03"
QPH-6-(V)-(W)-72	3	6	72" x 23.25" x 7.03"
QPH-9-(V)-(W)-60	3	9	60" x 34.50" x 7.03"
QPH-9-(V)-(W)-72	3	9	72" x 34.50" x 7.03"
QPH-12-(V)-(W)-60	3	12	60" x 45.75" x 7.03"
QPH-12-(V)-(W)-72	3	12	72" x 45.75" x 7.03"

#### VOLTAGE (V)

All QPH	240	480
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#### WATTAGE (W)

	60"	3000	4500	6000	9000	-
QPH-3	60"	3000	4500	6000	9000	-
	72"	3000	4500	6000	9000	-
QPH-6	60"	6000	9000	12000	18000	-
	72"	6000	9000	12000	18000	24000
QPH-9	60"	9000	13500	18000	27000	-
	72"	9000	13500	18000	27000	36000
QPH-12	60"	12000	18000	24000	36000	-
	72"	12000	18000	24000	36000	48000

### MS & MD Series Modular Heaters Selection Guide

Part Number	kW	Phase	# of Elements	Dimensions
MS-(V)-800	0.8	1	1	24" x 2.25" x 3.69"
MS-(V)-1100	1.1	1	1	30" x 2.25" x 3.69"
MS-(V)-1800	1.8	1	1	46" x 2.25" x 3.69"
MS-(V)-2500	2.5	1	1	60" x 2.25" x 3.69"
MS-(V)-3000	3	1	1	72" x 2.25" x 3.69"
MS-(V)-3600	3.6	1	1	86" x 2.25" x 3.69"
MD-(V)-1600	1.6	1	2	24" x 2.25" x 3.69"
MD-(V)-2200	2.2	1	2	30" x 2.25" x 3.69"
MD-(V)-3600	3.6	1	2	46" x 2.25" x 3.69"
MD-(V)-5000	5	1	2	60" x 2.25" x 3.69"
MD-(V)-6000	6	1	2	72" x 2.25" x 3.69"
MD-(V)-7200	7.2	1	2	86" x 2.25" x 3.69"

#### VOLTAGE (V)

All MS Series	120	240	480
All MD Series	120	240	480

To determine a specific part number, replace (V) and (W) with the desired voltage and wattage from those listed in the tables above.

Call 800-605-9818 for more information.