

### Cartridge Heater with Incoloy Sheath

Omega’s ICH-Series cartridge heaters are constructed of Incoloy material for excellent corrosion resistance with minimal scaling, and excellent performance at high temperatures. This construction also provides uniform heat distribution and good thermal conductivity for fast heating. These heaters are designed to provide maximum wattage in limited spaces. High and low watt densities are available to suit most applications. A variety of cold-end terminations, mounting and threading options are available for maximum versatility. Applications for this cartridge heater include packaging, rubber molding, form fill and sealing, platen heating, HVAC compressors, die casting, hot melt adhesives, hot plate measurements, food manufacturing and extrusion.



#### Features

- Incoloy sheath for corrosion resistance and high temperature use
- Operating temperature up to 760°C
- Various watt densities for maximum process flexibility
- Diameters from 0.250 to 1 inch
- Lengths from 1 to 36 inches
- Fiberglass insulated lead wires
- 10 in lead lengths standard
- 16 termination styles offered (others offered on request)

#### Specifications

Max sheath temperature	760°C (1400°F)
Operating Voltage	120 VAC or 240 VAC
Sheath Diameter Range	0.25 to 1 inch
Length Range	1 to 36 inches
Wattage Range	10 to 1200 W (other wattages available)
Lead Wire Material	Fiberglass
Standard Lead Length	10 inches (longer lead lengths available)
Termination	Stripped leads; other terminations available

Model No.	Description
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ICH-0250-0150-0250-N-10-1	Cartridge heater, 0.250 in diameter, 1.5 in length, 250 Watts, 10-inch lead length (stripped ends), 120 Volts power
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#### CARTRIDGE HEATER PART NUMBER BUILDER

**Part Number Breakdown – [Model]-[Diameter]-[Length]-[Wattage]-[Termination]-[Lead Length]-[Voltage]**

**Example: ICH-0250-0150-0250-N-10-1:** Cartridge heater, 0.250 in diameter, 1.5 in length, 250 Watts, 10-inch lead length (stripped ends), 120 Volts power

## Model Description

ICH	Cartridge Heater with Incoloy Sheath
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Diameter	Description	Length	Description	Wattage	Description
0250	1/4 in	0100	1 in	0010	10 Watts
0375	3/8 in	0125	1.25 in	Refer to all models table for available standard options, non-standard available on request	
0500	1/2 in	0150	1.5 in		
0625	5/8 in	0200	2 in		
0750	3/4 in	0000	...		
1000	1 in	3300	33 in		
		3400	34 in		
		3500	35 in		
		3600	36 in		

Termination	Description
N	Stripped leads
B	Ceramic bead insulation
BL	Ceramic bead and leads
C1B	Straight armored cable, stainless steel
C2B	Right-angle armored cable, stainless steel
R1A	Right angle leads, copper elbow
W	Straight wire braided leads
M2A	Potted and sealed, fiberglass wires externally connected
M2E	Potted and sealed, fiberglass wires internally connected
W1A	Right-angle braided leads, cement potting, no lead wire and disc
W1B	Right angle braided leads, cement potting, with lead wire and disc
C3B	Right angle armored cable, cement potting and silicone varnish with lead end disc. Stainless steel cable
R2B	Right angle leads, cement potting, welded lead end disc
R3	Angled sheath extension (cement potting only)
GL	Ground lead sheath
M2C	High temperature epoxy potting, PFA wires internally connected

Lead Length	Description
10	10 inches standard
[Numeric value in inches]	Please note desired lead length in inches

Voltage	Description
1	120 Volts AC
2	240 Volts AC