

Cartridge Heater with Stainless Steel Sheath

Omega's SCH series cartridge heaters are designed to provide maximum wattage in limited spaces. This series heater is offered with high- and low-density options. The sheath is made of 304 stainless steel which provides uniform heat distribution and good thermal conductivity for fast heating. 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, food manufacturing and extrusion.



Features

- **304 Stainless steel sheath for excellent thermal conductivity**
- **Choice of 120V or 240V operating voltage**
- **Various watt densities for maximum process flexibility**
- **Max sheath temperature 677°C (1250°F)**
- **Diameters from 1/8 in to 1 1/4 in**
- **Lengths from 1 in to 36 in (2.5 to 91 cm)**
- **Fiberglass Insulated Lead Wire**
- **12 in lead lengths standard**
- **16 termination styles offered (others offered on request)**

Specifications

Max sheath temperature	677°C (1250°F)
Operating Voltage	120VAC or 240 VAC
Sheath Diameter Range	0.125 to 1.25 in (1/8 to 1 1/4 in)
Length Range	1.0 to 36.0 inches
Wattage Range	10 to 1200 W
Lead Wire Material	Fiberglass
Standard Lead Length	12 inches (longer lead lengths available)
Termination	Stripped leads; other terminations available

Model No. Description

SCH-0250-0150-0030-N-12-2	Cartridge heater, 0.250 in diameter, 1.5 in length, 30 Watts, 12-inch lead length (stripped ends), 240 Volts power
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CARTRIDGE HEATER PART NUMBER BUILDER

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

Example: SCH-0250-0150-0030-N-12-2: Cartridge heater, 0.250 in diameter, 1.5 in length, 30 Watts, 12-inch lead length (stripped ends), 240 Volts power

Model Description

SCH	Cartridge Heater with 304 Stainless Steel Sheath
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Diameter	Description	Length	Description	Wattage	Description
0125	1/8 in	0100	1 in	0010	10 Watts
0187	3/16 in	0125	1.25 in	Refer to all models table for available standard options, non-standard available on request	
0250	1/4 in	0150	1.5 in		
0375	3/8 in	0200	2 in		
0500	1/2 in	0000	...		
0625	5/8 in	3300	33 in		
0750	3/4 in	3400	34 in		
1000	1 in	3500	35 in		
1250	1 1/4 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
12	12 inches standard
[Numeric value in inches]	Please note desired lead length in inches

Voltage	Description
1	120 Volts AC
2	240 Volts AC