

CARTRIDGE HEATERS - Ø6.5 MM

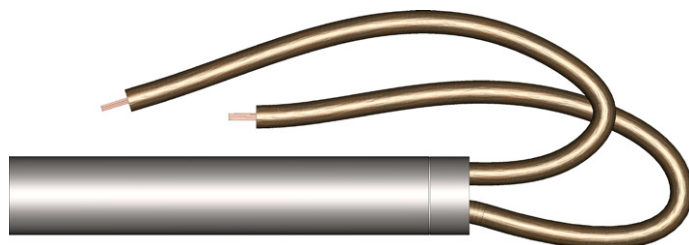


Properties

The standard range of cartridge heaters in stock are used for heating of solid, liquid or gas in a wide range of industrial and engineering applications within plastic-, packaging-, rubber-, wood- and paper industry, foundries, medicine technical and laboratorial industry.

Typical applications are heating of moulds, hotplates, tools for sealing and marking equipment etc.

The cartridge heater design, with a resistance wire wrapped around a magnesium oxide core positioned close to the metal casing, gives an excellent heat distribution allowing a very high power at a limited space.



Technical specification

Material	Cartridge Ø6.5 mm in stainless steel EN 1.4541/AISI 321
Inactive lengths	5 mm at bottom end, 10 mm at connection end
Voltage	230 V
Electric connection	External cable connection with 300 mm high temperature resistant cables 350°C welded to the cartridge connection pins
Assembly	Reamed hole min H7 tolerance is required for cartridges with surface power density $\leq 20 \text{ W/cm}^2$ Higher loads requires individual adjustment Hole should be deeper than the cartridge length
Diameter tolerance	-0.03 to -0.05 mm
Length tolerance	$\pm 2 \text{ mm} \leq 100 \text{ mm}$ and $\pm 2 \% \geq 100 \text{ mm}$ cartridge length
Power tolerance	+5% / -10%
Surface power density	W/cm ² acc. values in table
Standards	CE, EN 60335-1

Options

Assembly paste Loctite 8009 article no 3051773101

Lubricating spray article no 3050028001

Accessories such as alternative cable outlets and protections, connections, fittings water proof sealing etc. in separate data sheets Other voltages, wattages, lead lengths and dimensions in inches available on request

Cartridge heaters with built-in thermocouple in separate data sheets UL-approved cartridges available on request

Technical information and assembly

Instructions at assembly and disassembly, diagrams etc. in separate information sheet

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Standard assortment

Length mm	Power W	Load W/cm ²	Article no
25	75	25	3060250075
25	100	33	3060250100
25	150	50	3060250150
25	175	58	3060250175
40	100	18	3060400100
40	125	22	3060400125
40	150	27	3060400150
40	175	31	3060400175
40	200	36	3060400200
40	250	44	3060400250
50	125	17	3060500125
50	150	20	3060500150
50	175	24	3060500175
50	200	27	3060500200
50	250	34	3060500250
60	125	13	3060600125
60	150	16	3060600150
60	175	19	3060600175
60	200	21	3060600200
60	250	26	3060600250
60	300	32	3060600300

Length mm	Power W	Load W/cm ²	Article no
80	125	9	3060800125
80	175	13	3060800175
80	200	15	3060800200
80	250	19	3060800250
80	300	22	3060800300
100	125	7	3061000125
100	150	9	3061000150
100	200	12	3061000200
100	250	15	3061000250
100	300	17	3061000300
100	350	20	3061000350
100	400	23	3061000400
130	125	7	3061300125
130	150	8	3061300150
130	200	9	3061300200
130	250	11	3061300250
130	300	13	3061300300
130	350	15	3061300350
130	400	17	3061300400
160	150	5	3061600150
160	200	7	3061600200
160	300	10	3061600300
160	350	12	3061600350
160	400	14	3061600400
160	500	17	3061600500