

CARTRIDGE HEATERS - Ø10 MM

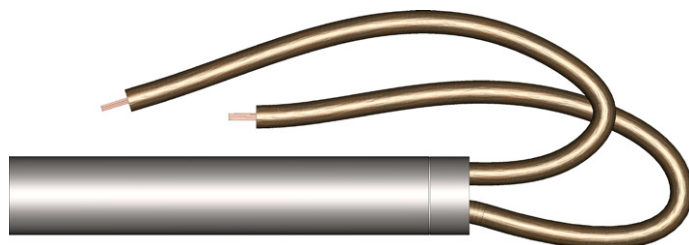


Properties

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 Ø10 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	-0.04 to -0.07 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	16	3100250075
25	100	21	3100250100
25	150	32	3100250150
25	200	43	3100250200
40	100	12	3100400100
40	125	15	3100400125
40	150	18	3100400150
40	200	21	3100400200
40	250	30	3100400250
40	300	37	3100400300
50	125	11	3100500125
50	150	13	3100500150
50	200	18	3100500200
50	250	22	3100500250
50	300	26	3100500300
50	400	36	3100500400
60	125	9	3100600125
60	150	11	3100600150
60	200	14	3100600200
60	250	18	3100600250
60	300	21	3100600300
60	400	28	3100600400

Length mm	Power W	Load W/cm ²	Article no
80	150	7	3100800150
80	200	10	3100800200
80	250	12	3100800250
80	300	15	3100800300
80	400	20	3100800400
80	500	25	3100800500
100	200	8	3101000200
100	250	9	3101000250
100	300	11	3101000300
100	350	13	3101000350
100	400	15	3101000400
100	500	19	3101000500
100	600	23	3101000600
130	250	7	3101300250
130	300	8	3101300300
130	400	11	3101300400
130	500	14	3101300500
130	600	17	3101300600
130	800	22	3101300800
160	300	7	3101600300
160	400	9	3101600400
160	500	11	3101600500
160	600	13	3101600600
160	800	18	3101600800
200	400	7	3102000400
200	500	9	3102000500
200	600	10	3102000600
200	800	14	3102000800
200	1000	18	3102001000