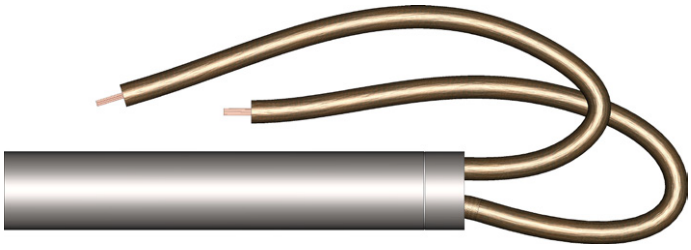
CARTRIDGE HEATERS - Ø8 MM

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 Ø8 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 350ºC welded to the cartridge connection pins
Assembly	Reamed hole min H7 tolerance is required for cartridges with surface power density ≤ 20 W/cm² Higher loads requires individual adjustment Hole should be deeper than the cartridge length
Diameter tolerance	-0.04 to -0.06 mm
Length tolerance	±2 mm ≤ 100 mm and ±2 % ≥ 100 mm cartridge length
Power tolerance	+5% / -10%
Surface power desnsity	W/cm² 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/cm²	Article no
40	125	18	3080400125
40	150	21	3080400150
40	200	28	3080400200
50	125	13	3080500125
50	150	16	3080500150
50	200	22	3080500200
50	250	27	3080500250
60	125	11	3080600125
60	150	13	3080600150
60	200	17	3080600200
60	250	21	3080600250
60	300	25	3080600300
60	400	34	3080600400

Length mm	Power W	Load W/cm²	Article no
80	150	9	3080800150
80	175	11	3080800175
80	200	12	3080800200
80	250	15	3080800250
80	300	18	3080800300
80	400	24	3080800400
100	175	8	3081000175
100	200	9	3081000200
100	250	12	3081000250
100	300	14	3081000300
100	400	19	3081000400
130	175	6	3081300175
130	200	7	3081300200
130	250	9	3081300250
130	300	10	3081300300
130	400	14	3081300400
160	200	6	3081600200
160	250	7	3081600250
160	300	8	3081600300
160	400	11	3081600400
160	500	14	3081600500
160	600	17	3081600600

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