Ceramic Cartridges

Description

Cylindrical heating element for applications where a sheath is not required or the sheath is part of the machine as in a press

Features

- Controllable heat output by resistance wire technology
- Resistance wire encased in ceramic tube and head of ceramic 511
- Heat distribution by radiation
- High operating temperature

Design Characteristics

- Tube diameter 12; 15; 17; 20; 23; 28,5 mm
- Head diameter 12.5; 15.2; 17.2; 21; 28.5 mm
- Connection on one side
- Heater connection formats available:
    - nickel wire with glass-fibre reinforced tubing maximum temperatures up to 250 C, length as desired
    - bare nickel wire
    - bead-insulated nickel wire
    - Nickel wire with glassfibre tube insulation
- Screw fitting at 28,5 head diameter
- Localized sections with intensified heat output possible
- Simple mounting
- Small cold zone
- Wattage and voltage according to customers requirements in clear tolerance hole (hole diameter = tube diameter + 2mm)

Applications

- Presses
- Heating Plates

Sectional Cartridge
(Special Design)

Diameter 36 mm, the individual sections, head and end piece held in place by rod. Horizontal mounting. AC connection possible

Nordring 26
76761 Rülzheim
Phone: +49 (0) 7272 7704 - 0
Fax: +49 (0) 7272 7704 - 1249
info@dbk-group.de
www.dbk-group.de

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Diameter	Lenght	Volts	Watts
12	660	230	195/85
12	1260	230	340/170
12	1860	230	550/200
17	100	230	250
17	185	400	360
17	215	460	350
17	240	230	150
17	250	400	500
17	290	230	200
17	300	400	670
17	320	400	250
17	330	400	500
17	340	400	600
17	350	400	465
17	410	400	790
17	420	400	700
17	450	400	650
17	500	400	900
17	550	480	700
17	590	400	800
17	600	400	1400
17	630	480	1000
17	640	400	1500
17	650	400	750
17	700	400	1250
17	750	400	1100
17	800	400	1500
17	885	400	1350
17	980	400	1500
17	1000	400	1620
17	1030	400	1500
17	1080	220	1000
17	1100	400	1000
17	1200	400	1600
20	600	230	100
20	1200	230	2000
20	1800	230	1500
23	500	380	1500
24	1156	230	3500
29	620	230	1300
29	920	230	1800
29	1220	230	2400
37	900	230/400	1500
37	1090	230/380	1750
37	1200	230/400	1340

The above table shows an part of our programme.
Other versions available.

Inquiries and Orders should indicate:

- Length with head or immersion depth
- Substance to be heated, intended use
- Connection
- Pipe diameter
- Sheath material
- Mounting device, nipple
- Voltage and wattage
- Desired quantity

DBK will gladly assist you with the design and calculation of your heater requirements or will provide the complete heater solution.

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