

HEATING ELEMENTS
for
Plastic industry



...Solving Heating
Problems All Over The World

Maxi Nozzle Heater (Type DBM)



Technical Data:

WPR/Maxi coil heater .338" x .181" with clamping band and with or without thermocouple.

Connection type:

1000 mm teflon-insulated lead wire leads with braided metal sleeving.

- The maxi nozzle heater may take a surface load of up to 97 Watt/in² as a result of the highly compressed coil heater in a stainless-steel clamping strap.
- It may be used in small areas requiring higher output thanks to its size of .338" x .181".

Note:

For additional technical data, consult Section 2 of our catalog.

Stock Heaters (Germany)

Inside-diameter mm	-0,1 -0,3	Length ±0,5 mm	Wattage at 230 V in Watt	Exit	Thermo- couple Fe-CuNi (type j)
30.0		30.0	300	radial 45°	without
30.0		30.0	400	radial 45°	without
32.0		30.0	350	tangential	with
38.0		32.0	500	tangential	with
40.0		30.0	450	radial 45°	without
42.0		22.0	350	tangential	without
44.4		34.9	450	tangential	without
50.0		34.0	500	radial 45°	without
50.8		25.4	350	tangential	without

3-4 weeks delivery

Heated Machine Nozzle (Type BMD)



Technical Data:

WPR/Maxi coil heater with built in plastic-insulated Type J thermocouple mounted on nozzle body.

Connection type:

1000 mm teflon-insulated lead wire with braided metal sleeving.

- The heated machine nozzle provides a fully sealed, plastic-insulated system. This consequently prevents any penetration or subsequent damage by the plastic material.
- The even temperature distribution along the entire length of the nozzle minimizes the development of cold spots which causes the hardening of the plastic material.
- An internal thermocouple is built into the heater, which is in the machine nozzle. This controls the temperature from the area around the tip of the nozzle. Optional.
- The outside diameter of 48 mm allows for deep immersion into the plastic compound.

Note:

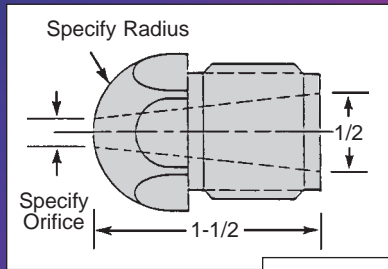
The thread sizes are to be advised by the customer.

Stock Heaters (Germany)

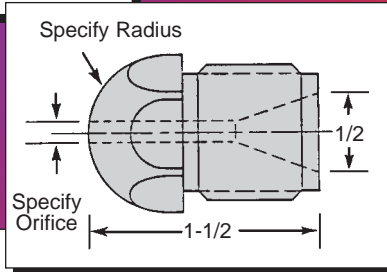
Type	Outside-diameter in mm	Complete length in mm	Wattage at 230 V in Watt	Thermocouple Fe-CuNi (type j)
A	48.000	200	650	with
B	48.000	250	800	with
C	48.000	305	1100	with
D	48.000	355	1400	with
E	48.000	405	1400	with

3-4 weeks delivery

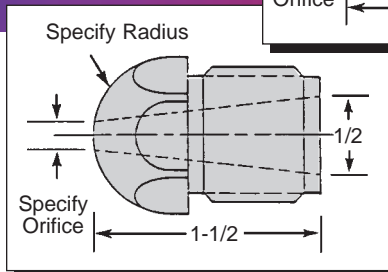
Choice of Nozzle Tips (Type BMD)



Form One
Full Taper Tip
1/2 or 3/4 Radius
1/8, 3/16, 1/4 or
3/8 Orifice



Form Two
Nylon Tip
1/2 or 3/4 Radius
1/8, 5/32 or
3/16 Orifice



Form Three
General Purpose Tip
1/2 or 3/4 Radius
1/16 thru 3/8 Orifice

Form One

Shows a standard shape of the convex nozzle tip with a conical hole without interruption. At this shape the channel will be slowly reduced and thus the mass velocity will be increased.

Form Two

Shows a nozzle tip which is used for the process of easily-flowing components. That means it is especially used for watery (low-viscous) thermo-plastic moulding compounds. This nozzle construction is also suitable for plastics which form threads and/or which have definite breaking point. For example the plastics: ABS, PA, PET have these mentioned properties.

Form Three

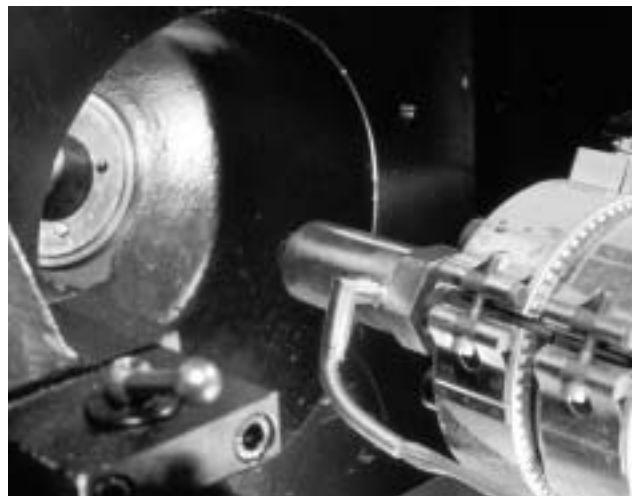
Shows a nozzle tip which is used for the process of thermal sensitive and viscous plastics like POM, PVC-strong, PPO and PPS.

Temperature Controllers (Type RR 2030)



RR 2030 - 1/4 DIN 96 x 96

- Fully PID auto-tune capable
- Manual or auto programming
- Fully front panel programmable
- Fuzzy logic software
- 16 segment ramp soak (soft start)
- Selectable mode alarms
- Input sensor field selectable (J, K, RTD & other)
- Four digit dual display
- Decimal point selectable
- Security level protection password operated
- Loop break function and indication
- 100-240VAC
- VDC output to SSR (AC output optional)
- Percent output indicator
- NEMA 4x front panel
- Panel mount
- Compact size 96mm x 96mm x 101mm
- UL/CSA/CE





Worldwide Locations

Argentina, Australia, Austria, Belgium, Brazil, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece, Hong Kong, India, Israel, Italy, Japan, Korea, Mexico, Netherlands, New Zealand, Philippines, Portugal, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Turkey, USA

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