

Sealed Nozzle Heaters

Sealed and Semi-Sealed



Sealed nozzles are primarily used in confined areas where spillages can occur. A common application is on plastic moulding machines where space is restricted and leakage is frequent.

The inner windings are protected from the plastic spillage due to the design and “sealed” construction of the outer housing.

Technical Details

Sizes:	Sealed nozzle heaters are supplied in any inner diameter larger than 25mm
Standard widths:	25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm, 60mm (Semi-sealed nozzles are offered for widths greater than 60mm)
Rating:	Maximum rating is 5.5 W/cm ² up to 250°C. Calculation of maximum power (all dimensions in mm): $P_{max} \text{ (Watts)} = \text{Width} \times \text{Diameter} \times 0.17$
Note:	For diameters smaller than 25mm, power ratings above 5.5 W/cm ² or wider nozzles, please contact our sales agents

Mounting, Storage and Commissioning

Mounting: It is imperative that nozzle heaters are securely clamped onto the inner metal body to be heated. Good contact must be established between the total surface area of both the heater and metal body. On start up, the clamps should be re-tightened once the set temperature has been reached.

Storage and Commissioning: Heaters are susceptible to moisture and should be stored or used in a dry environment. It is suggested that elements are gently heated after a prolonged period out of commission. This allows moisture to escape and prevents damage to the elements. For the best results, a temperature controller with “soft start” is recommended.

Stocked Nozzle Heaters

Stock Code	Diameter	Width	Watts/Volts	Cable length
UHNS3BO30Y2013A	30mm	25mm	150W/230V	1.5m
UHNS3BO30Y1027A	30mm	30mm	160W/230V	1.5m
UHNS3BO30Y3315A	30mm	40mm	200W/230V	1.5m
UHNS3BO32Y020907	32mm	25mm	135W/230V	1.5m
UHNS3BO35Y0072A	35mm	25mm	150W/230V	1.5m
UHNS3BO35Y2014A	35mm	30mm	180W/230V	1.5m
UHNS3BOX35Y1268A	35mm	35mm	110W/230V	0.5m
UHNS3BO35Y021296	35mm	40mm	240W/230V	1.5m
UHNS3BO35Y1267A	35mm	70mm	150W/230V	0.5m
UHNS3BO40Y2015A	40mm	25mm	180W/230V	1.5m
UHNS3BO40Y1826A	40mm	30mm	220W/230V	1.5m
UHNS3BO40Y1026A	40mm	40mm	250W/230V	1.5m
UHNS3BO40Y021089	40mm	45mm	260W/230V	2.0m
UHNS3BO40Y020302	40mm	50mm	340W/230V	1.5m
UHNS3BO45Y020992	45mm	35mm	270W/230V	1.5m
UHNS3BO45Y1343A	45mm	40mm	310W/230V	1.5m
UHNS3BO45Y020550	45mm	45mm	340W/230V	1.0m
UHNS3BO50Y021073	50mm	20mm	150W/230V	1.5m
UHNS3BO50Y2077A	50mm	25mm	230W/230V	1.5m
UHNS3BO50Y1114A	50mm	35mm	310W/230V	1.5m
UHNS3BO50Y020744	50mm	40mm	340W/230V	1.0m
UHNS3BO50Y021402	50mm	50mm	360W/230V	1.0m
UHNS3BO50Y020887	50mm	60mm	510W/230V	1.5m
UHNS3BO55Y021192	55mm	45mm	360W/230V	1.0m
UHNS3BO55Y021083	55mm	50mm	400W/230V	1.0m
UHNS3BO60Y021223	60mm	60mm	530W/230V	1.5m
UHNS3BO65Y0009A	65mm	35mm	400W/230V	0.5m
UHNS3BO89Y0155A	89mm	45mm	690W/230V	1.5m



UHNS3-AO

Brass sealed nozzle with axial braided cable entry opposite the gap.



UHNS3-BO

Brass sealed nozzle with axial angled braided cable entry opposite the gap.



UHNS3-DO

Brass sealed nozzle with tangential angled braided cable entry opposite the gap.



UHNS3-RO

Brass sealed nozzle with radial braided cable entry opposite the gap.

when ordering, please specify:

type: UHNS3- ☐ ☐

Inner Diameter: _____ mm
Width: _____ mm
Wattage: _____ W
Voltage: _____ V (230V std.)
Cable Length: _____ mm (1500mm std.)



UHNS3-TO

Brass sealed nozzle with tangential braided cable entry opposite the gap.



Optional Extras

For moisture proof cable sleeving, add **M** after the order code.
For stress relief spring, add **F** after the order code.
e.g. for the picture on the left the code would be **UHNS3-BO-MF**

For any non-standard nozzle options, e.g. thermocouple holes or stainless steel nozzles for PVC, please contact our sales agents.

UHNS3-AO- ☐ ☐
UHNS3-BO- ☐ ☐
UHNS3-DO- ☐ ☐
UHNS3-RO- ☐ ☐
UHNS3-TO- ☐ ☐



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