

HOLROYD

BESPOKE SURFACE HEATING ELEMENTS

APPLICATIONS:

In applications where a heater mat is required to fit small diameter pipe-work a more precise fit can be obtained by using the pre-formed option. Holroyd can form and vulcanize silicone heaters to fit the full or partial circumference of any pipe diameter between 10-200mm. These heaters can be supplied with separate straps for fixing or can be permanently installed using room temperature vulcanising silicone adhesive or self adhesive systems. Holroyd can also offer insulation foam that would be bonded to the spine of the heater, to help avoid potential losses without the risk of damaging the foam at very small diameters.

MAIN POINTS:

- Etch Foil & Wire Wound Technology
- Precise Even Heating
- Flexible & Lightweight
- Moisture & Chemical Resistant
- IP64 or IP65 Protection
- Wide Temperature Range -60°C to 250°C
- UL & VDE Approval Available
- Low Smoke & Low Toxicity Options Available
- Custom Design



QUALITY



RELIABILITY



CREATIVITY



SERVICE



COMMUNITY

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CONSTRUCTION:

Using evenly spaced resistance wires or chemically etched foil tracks laminated between sheets of silicone rubber, pre-formed heaters are constructed for heating small diameter pipes. Formed to a specific diameter and providing a precise fit these heaters are easy to install and provide accurate heating for a variety of pipe heating applications.

CHARACTERISTICS:

Pre-formed silicone heaters have good resistance to the following; weather & ageing, fungus & bacteria, acetone, alcohol, formic acid, brake fluid, acetic acid, greases, hydrochloric acid 10%, sulphuric acid 10%, waxes and plasticisers. In addition to this the heaters have adequate gas permeability and good steam resistance up 130°C and 2.5 bar respectively.

HEALTH & SAFETY:

Pre-formed heaters are intended for use in industrial electric apparatus. They correspond to the BS EN 60335-1:2012. The heater has to be operated in accordance with these standard and regulations and should be installed on an electrical system protected by a residual current circuit breaker.

TECHNICAL DATA

MAXIMUM DIMENSIONS	Min Diameter - 10mm Max Diameter - 200mm
THICKNESSES	1.5mm – 2.2mm
TEMPERATURE RANGES	-60°C - 250°C
POWER RATING	Variable (Dependant on application)
THERMAL CONDUCTIVITY	0.22 (Watt/Metre/K)

	KAPTON	SILICONE WIRE WOUND	SILICONE ETCHED FOIL	SILICONE PRE-FORMED
TEMPERATURE RANGE	-269°C to 200°C	-60°C to 250°C	-60°C to 200°C	-60°C –250°C
THICKNESS RANGE	0.2mm to 0.3mm	1.1mm to 3mm	0.8mm to 1.5mm	1.5mm to 2.2mm
MAXIMUM POSSIBLE SIZE	285mm x 550mm	940mm x 3000mm	595mm x 2500mm	200mm Diameter
UL & VDE APPROVAL AVAILABLE		✓	✓	✓
SUITABLE FOR HIGH QUANTITY	✓		✓	✓
LOW SMOKE LOW TOXICITY AVAILABLE		✓	✓	✓