



### Applications:

The spiral heaters are designed to suit a range of flexible or rigid small diameter pipes. These heaters are suitable for use in many applications including; fluid or gas delivery, semi conductor processes, frost protection, anti condensation and heat loss maintenance. The uses for spiral heaters are ever increasing for pipe heating applications requiring surface heating up to 200°C.

- **Suitable for Straight or Curved Pipe Sections**
- **Robust Spiral Heating Element**
- **Easy to Install**
- **UL & VDE Approval Available**
- **IP64 Protection**
- **Incorporated Temperature Sensors Available**
- **Stand Alone Heaters or Parallel Options Available**
- **Standard Sizes of 1/4" (6.35mm)**
- **Full Design & Manufacturing Service**



ISO9001:2015  
FM55895

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# Technical Data

**HOLROYD**  
BESPOKE SURFACE HEATING ELEMENTS

## Construction:

Constructed using a spiral heater element encased between two layers of silicone rubber, spiral heaters are well suited to fit curved or straight pipework. The standard range is suitable to suit ¼" (6.35mm) outer diameter and can be supplied in six different lengths. With a maximum operating temperature of 200°C and the option to add a variety of temperature sensors, spiral heaters provide an ideal solution to heating pipes in many applications.

## Characteristics:

Spiral 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:

Spiral 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	
Thickness	1.5mm
Temperature Range	-60°C - 200°C
Power Rating	0.26 - 0.3W/Cm2
Thermal Conductivity	0.22 (Watt/Metre/K)

Part No.	Nominal Length (80% surface coverage)	Extended Length (Approx. 60% surface coverage)	Voltage	Watts	Power Density W/cm2
HOL001-2002	205mm	250mm	120	11	0.26
HOL001-2003	375mm	440mm	240	19.5	0.27
HOL001-2004	475mm	550mm	240	25	0.27
HOL001-2005	612.5mm	720mm	240	33	0.28
HOL001-2006	780mm	900mm	240	45	0.3
HOL001-2007	1020mm	1150mm	240	52	0.28