

HOLROYD

BESPOKE SURFACE HEATING ELEMENTS

APPLICATIONS:

Holroyd design and manufacture a variation of our wire wound heaters specifically for use on industrial presses.

These heaters are used to heat the platens of various presses and our silicone wire wound heaters provide a robust solution to suit this application.

By using extra layers of silicone and with the power leads often placed in the thickness these heaters are well suited to deal with the pressure from the platens.

These heaters are often bespoke shapes and can be designed based on existing heaters which are already used in the presses, giving a perfect solution to press heating issues. Press heaters are often shaped at acute angles and supplied with holes or cut outs. We actually use these heaters on our own hydraulic presses here at Holroyd.

MAIN POINTS:

- Wire Wound Technology
- Precise Even Heating
- Double Insulated Construction Possible
- Moisture & Chemical Resistant
- IP64 or IP65 Protection
- Wide Temperature Range -60°C to 200°C
- UL & VDE Approval Available
- Single or Three Phase Supply
- Bespoke Design
- Variety of Materials



QUALITY



RELIABILITY



CREATIVITY



SERVICE



COMMUNITY

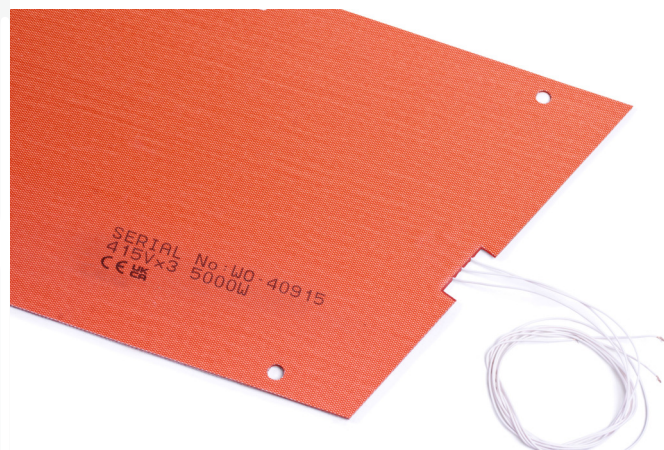
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CONSTRUCTION:

Using evenly spaced resistance wires laminated between sheets of silicone rubber these Press Heaters offer a robust solution to heating industrial presses. We can design the heaters to suit either single or three phase supply and can be also manufactured to Double Insulated and IP65 Construction.

For these heaters we would often include multiple silicone layers which add thickness and strength to the heaters.

This can be particularly critical as the heaters are often put under pressure within the application. The maximum pressure our heaters can withstand is 1KG/cm² - this should be evenly spread and does relate to impact pressure.

The wattage is variable and can be based on existing heaters or we can offer detailed power calculations when required.

CHARACTERISTICS:

Press heaters have a good resistance to the following; photodegradation, weathering, 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 to 130°C and 2.5 bar respectively.

HEALTH & SAFETY:

Press heaters are intended for use in industrial electric apparatus.

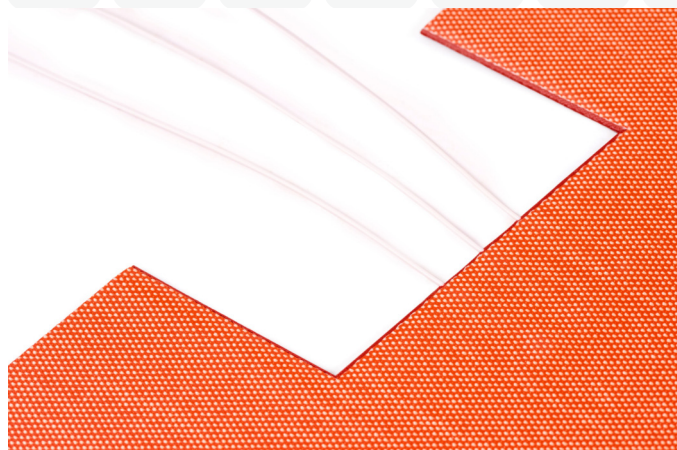
They correspond to the BS EN 60335-1:2012. The heater has to be operated in accordance with these standard and regulations and should be installed on an electrical system protected by a residual current circuit breaker.

DESIGN CAPABILITIES:

Using our design expertise we can replicate the exact shape, angle and holes of existing heaters, allowing us to design and manufacture a perfect replacement heater for any press.

TECHNICAL DATA

MAXIMUM DIMENSIONS	Width - 940mm Length - 3000mm
THICKNESSES	1.5mm - 3mm
TEMPERATURE RANGES	-60°C - 250°C (Non Adhesive) -30°C - 180°C (Self Adhesive)
POWER DENSITIES	0.1W/Cm ² - 1.5W/Cm ²
DIELECTRIC STRENGTH	1000V Above Operating Voltage
VOLTAGE RATING	Variable Single or 3 Phase
FIXINGS	Non-Adhesive or Self-Adhesive



(Example of power leads exiting from the thickness of the heater).