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# HSSD SIDE DRUM HEATER

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## Product Information

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The silicone drum (HSSD) heater utilises the long standing expertise recognised in our manufacturing high quality silicone heating elements and is a unique product in the Drum and Container heating product range.

The HSSD is the go to industrial heater for fast, aggressive, high powered heating performance. With years of experience manufacturing top of

the range silicone heating elements. The HSSD heater represents the industry leading Silicone drum heater.

In recognition of the varying market demands on this product, we can now manufacture a number of bespoke versions of this product to suit a variety of specifications and budgets, details of which are available by contacting us directly.

HSSD



HSSD



# AN INTRODUCTION TO THE **HSSD** SIDE DRUM HEATER

## KEY FACTS

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- AGGRESSIVE HEATING APPLICATIONS
- LIGHTWEIGHT EASY APPLICATION VIA SIMPLE SPRING FIXING
- SILICONE RUBBER DOUBLE INSULATED CONSTRUCTION
- MOISTURE AND CHEMICAL RESISTANT
- 0-90°C, 0-120°C OR 0-180°C THERMOSTAT
- CAN BE USED IN CONJUNCTION WITH HBD HEATER
- BESPOKE SPECIFICATIONS TO ORDER

**Silicone is the perfect material for use in the construction of high powered heating elements**

Specialising in the design and manufacturing of silicone heating elements the HSSD Drum Heater represents years of continued investment in this field. The highest quality product of its type on the market, delivering a silicone drum heater which far exceeds European standards in this sector.

Silicone is the perfect material for use in the construction of high powered heating elements as it offers low thermal mass and excellent thermal transfer properties.

As a consequence the HSSD is a very efficient method of heating.

Incorporating either a capillary or an electronic thermostat for precise temperature control, the element delivers uniform heating from accurately positioned PFA coated, multi-stranded resistance wires and is used to reduce the viscosity of materials such as soaps, fats, foodstuffs, varnishes and chemicals allowing them to be pumped or poured with ease.

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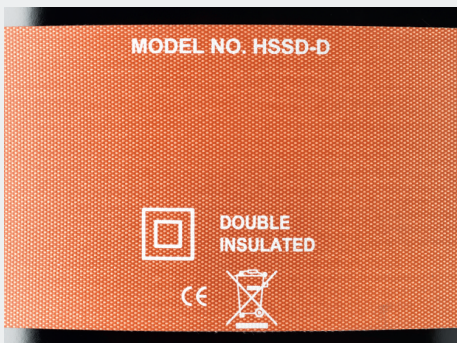
Details



Printing for the HSSD is available, detailing the specifications for the element.



Can be fitted with a capillary or electronic thermostat for precise temperature control.



A flexible and aggressive heating solution.

Construction

Utilising only the highest quality components in the construction of their products but this is no truer than with the HSSD. Effective and simple the silicone side drum heater gives exceptional performance incorporating a 0-120°C capillary or 0-180°C electronic thermostat that delivers precise even heating from PFA coated, multi-stranded resistance wires. The wires are laid with optimum design throughout the heater giving superior flexibility while negating the physical stress caused by thermal expansion during operation. Applying uniform surface heat to the product eliminates concerns for localised over heating preventing damage to more sensitive materials such as sugars and glucose. A simple fixing arrangement via a hook and spring provides swift, flexible and easy installation.

|                    |  |
|--------------------|--|
| <b>Material</b>    | PFA multi strand resistance wire sandwiched between silicone rubber and glass fibre sheets |
| <b>Control</b>     | Capillary Thermostat or Electronic Thermostat  |
| <b>Power Cable</b> | 2 Metre HO7RN-F  |
| <b>Fixing</b>      | Stainless steel plates or hooks and spring   |

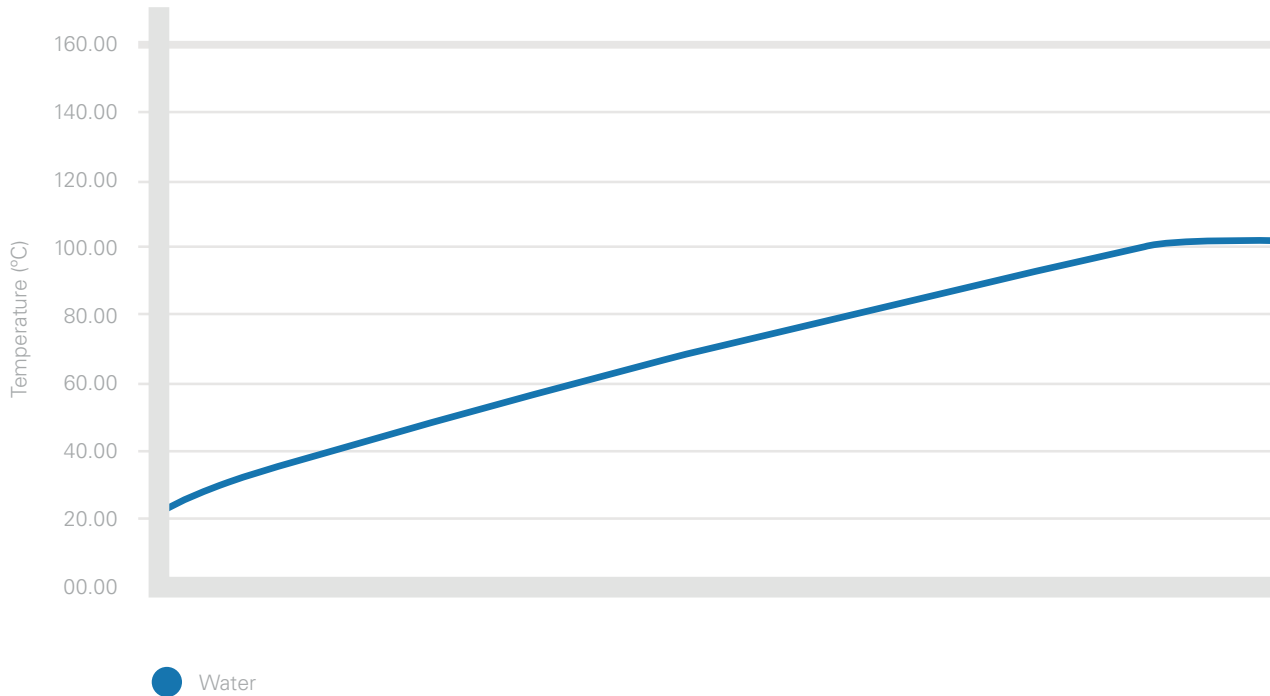
Technical Data

- Power rating: 110 or 230 Volts
- Temperature: 0-120°C or 0-180°C

| Drum Size | Size mm    | Power          |
|-----------|------------|----------------|
| 25L       | 125 x 800  | 300W           |
| 50L       | 125 x 940  | 500W           |
| 105L      | 125 x 1300 | 800W           |
| 200-210L  | 125 x 1665 | 1000W          |
| 200-210L  | 180 x 1665 | 1000W or 1500W |

\* Minimum to Maximum

## HSSD TEST DATA



The graph above shows a test report of 3 x 1500W HSSD'S fitted to a 200l Steel drum.

## Service Package

Harsh environments, exposure to liquids, chemicals and waxes it is not uncommon for the HSSD to carry visually the effects of a demanding everyday heating regime. To ensure that vital process heating requirements are not interrupted the HSSD product can be returned at any time for a performance review. We offer a full service check on all components of your container heater confirming full functionality or highlighting minor running repairs to extend the life and ensure the optimal performance of your heating solution.