

# HEATING JACKETS

## 50 & 70 Series Housings



**Heating jackets** are essential for environments where humidity control is required to stabilise the temperature of the filter cartridges used on venting applications, or where a constant heat is required to safeguard the process fluid from damage.

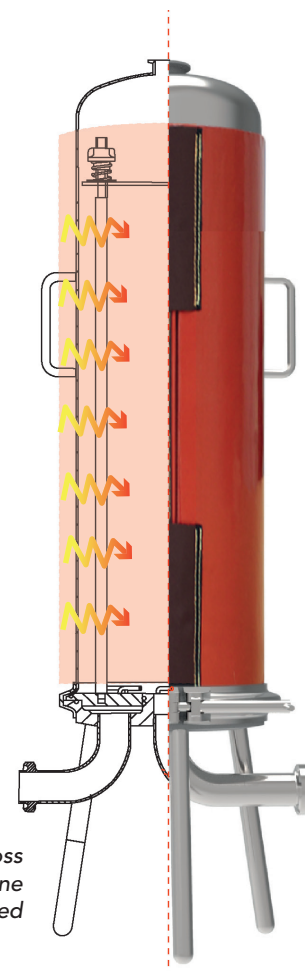
There are many industries where heating jackets are required such as the Fine Chemical, Pharmaceutical or Chemical production, these are generally seen as a method to offer process fluid stabilisation or system protection, i.e. the need to maintain a constant temperature of the process fluid that can be critical so as to maintain product quality.

In pure water systems, typically Water for Injection (WFI) and High Purity Water (HPW), the free venting of clean air between the inside and the outside of storage tanks must be allowed to move freely without the potential build-up of condensation. Heating jackets are crucial for this and are also used to avoid mould or microbial growth that can often be associated with wet filters.

Heating may also be required during hot water sanitisation and CIP procedures to prevent excess differential pressure being generated.

Two heating jackets are available from Amazon, the moulded one or two piece silicone rubber design is formed out of a compound that fits neatly around the filter housing without the need for any separate fixing methods. Ideal for water storage facilities looking to offer a dry, constant temperature for vent filters, or a low cost option for temperature stabilisation.

The one or two piece hard bodied jacket is targeted more to hazardous environments where an ATEX compliant component is required. This unit has a stainless steel outer construction with a deep glass wool inner.



73 Series Shown in cross section with the silicone jacket fitted

## Features and Benefits

**Silicone** - For non-hazardous area usage:

- One or two piece Silicone construction
- Easy fit to most standard single cartridge hygienic filter housings
- Heating temperature range 0 to 80°C
- IP65 Rated, can be manufactured in 110V or 230/240 Volts
- Requires a programmable controller, Amazon Filters ref: part number 70S000001 (+ power cable to suit the country of installation)

Specific details would be confirmed on application

**Stainless Steel** - For ATEX rated or hazard classified zones

- One or two piece construction
- Stainless steel clad riveted enclosure over a deep glass wool inner
- Suitable for ATEX zone 1 and 2
- Self-regulating tape type heating element
- Heating temperature range 0 to 135°C (depending on temperature class)
- IP 66 Rated, temperature class T2 to T6 (Maximum heating 65°C to 135°C)

## Product Range

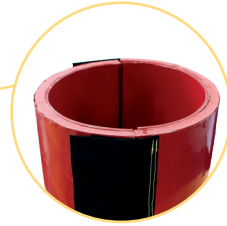
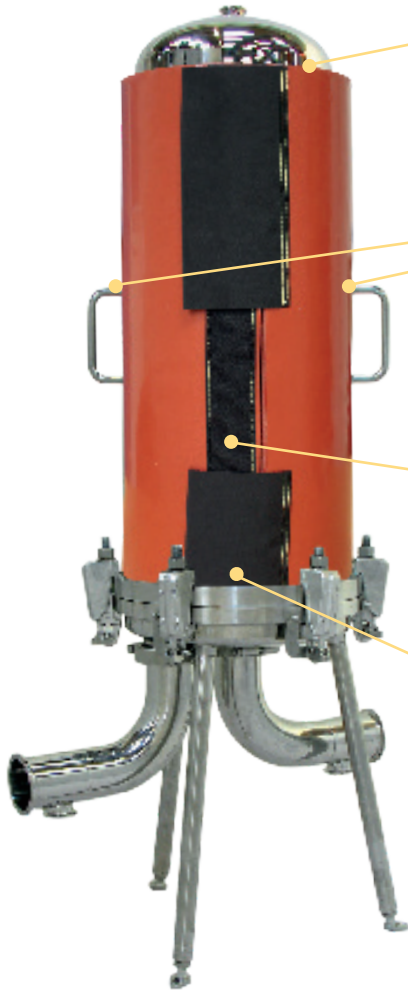
Amazon Filters design and manufacture an extensive range of liquid filtration systems for the Fine Chemical and Pharmaceutical applications. Providing one of the widest selections of filtration vessels these heating jackets compliment the range, especially when fitted with the one of the Amazon SupaPore PTFE or Borosilicate Glass media filter cartridges. As one of Europe's leading manufacturers of filtration systems.

Amazon Filters is able to offer a solution to meet all filtration requirements. Amazons' filters are manufactured in clean room conditions and all products come with detailed Product Validation Guides and Technical Support Documentation.

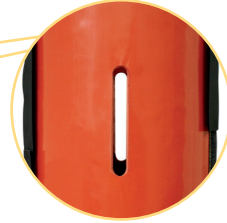


## Silicone heating jacket

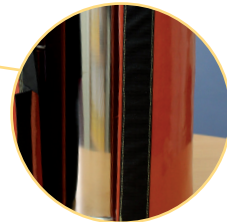
Two piece Silicone heating jacket shown fitted to a 7305 Series Stainless Steel filter housing



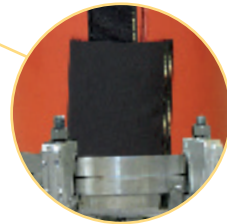
- Thick wall construction offers maximum heat retention and minimal temperature loss



- Easy form construction allows easy fitting without interference with lifting handles or nameplates



- Close fitting design made specifically to fit the filter housing



- Two piece construction, retained via Velcro strapping

## Stainless Steel heating jacket



Two piece Stainless Steel heating jacket suitable for all filter housings from the 50, 60 and 70 Series

- ATEX compliant control panel and interface
- Deep wool glass fibre inner
- Quick release retaining clamps for easy access and removal

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