Technical Datasheet

Vena® HEATED HOSE

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Applications

It is specially recommended for applications which needed to ensure a constant temperature to help maintain the fluidity of the product conducted through it in the food, cosmetic, chemical and pharmaceutical industries.
The thermal resistance, through the cool exit, it can be controlled using an electronic regulator. In the same way, the hose is provided with a PT 100 Ohm probe, located between the wall pipes.
Each model is built on demand and according the customer specific needs (working and bursting pressure, vacuum resistance, bending radius, inside diameter, length...). Similarly, it can be made with a wide range of voltages.

Limitations

Respect the bending radius and work pressure established values.

Mind the chemical compatibility of the fluid with the inner layer.

This product is not recommended for the transport of abrasive particles

Regulations

Platinum cured silicone produced in compliance with:

- US FDA Standard 21 CFR 177.2600
- German BfR Standard part XV
- USP Class VI <88> in vivo tests, 121ºC
- ISO 10993-4, 5, 6 & 10
- European Pharmacopoeia 3.1.9
- ResAp 2004 (5), according to Reg 1935/2004/EEC, and Reg 10/2011/EEC

Silicone rubber used is in accordance with EU Directive 2002/95/ECC for Restriction of the use of hazardous substances (RoHS)

Properties

- Odorless, tasteless and completely non-toxic.
- Translucent and smooth inner appearance, white or colored and smooth outer appearance.
- Can be equipped with 316L stainless steel fittings on each end with a roughness value of less than 0.8 μm (or 0.5 μm on request).
- Operational temperature range from -60ºC (-75ºF) to +180ºC (356ºF), it may reach up to +200ºC (392ºF) during short periods of time.
- Temperatures may be set on a scale ranging from 0°C (32 F) to 200°C (392 F)
- The standard manufacturing length is 4 meters long (13.12 ft.), but in specific diameters a length of 6 meters (19.69 ft) can be manufactured.
- The vacuum resistance for this hose is 0.91 Bar (13.23 psi).

Construction

This reference is manufactured with polyester fabric reinforcement and stainless steel wire, it is provided with internal resistance inside the wall of the hose.