

Sulzer heating jacket concept

Process pumps are used in numerous applications where a specific temperature is required to enable a proper start-up as well as smooth and safe operation. With a properly maintained temperature of the pumped liquid, you will prevent undesired crystallization, increased viscosity and solidification of the liquid.

In such applications, the heating jacket is the solution. The heating jacket maintains a uniform heat transfer to the pump and keeps the liquid at the defined temperature for the purposes of thermal maintenance, heat-up/melt-out, or cooling.

Sulzer has an efficient, easy and cost-effective heating jacket concept for AHLSTAR A and CPE process pumps. The heating jacket is a bolt-on construction which makes the installation easy and fast. The concept includes a jacketed case cover, which ensures the proper temperature of the sealing chamber minimizing the risk of seal failures. Heating or cooling is maintained by steam or water.

Installation and service

The heating jacket is fast, easy and safe to install due to the bolt-on construction. There is no welding and, therefore, no risk of deformation. There is no need for any modifications to a standard process pump, so standard spare parts will fit. Servicing of the pump can be done with the normal procedures, and the heating jacket does not disturb the service of the pump.



Scope of heating jacket concept

- > Heating jacket
- > Jacketed case cover
- > Installed on top of standard AHLSTAR A or CPE process pump



Benefits

- Complete heating – evenly distributed heating across the entire pump
- Easy to install and maintain
- Cost-effective
- Standard pump can be used without any modifications and with standard spares

Available for

- AHLSTAR A pumps
- CPE pumps

Technical data

Heating jacket

- Body
- Pressure containing insert

Aluminum (ASTM B179 Grade A 356)
Carbon steel (ASME rated SA-178 Grade A boiler tube)

Jacketed case cover

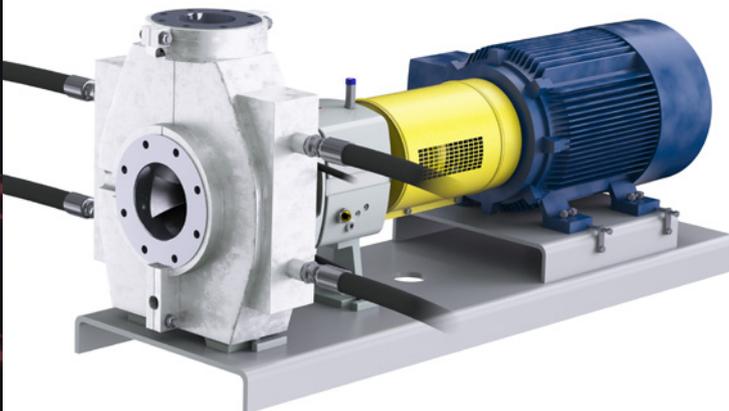
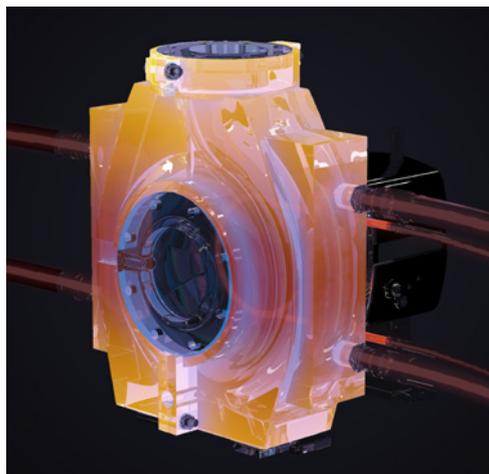
Duplex stainless steel (ASTM A890 Grade 3A)

Pressure and temperature limits for heating / cooling media supply

Max. 145 psig @ 356°F / 10 bar @ 180°C

Heating / cooling media

Steam / water



How can we help you?
Contact us today to find your best solution.

[sulzer.com](https://www.sulzer.com)

E10744 en 5.2022, Copyright © Sulzer Ltd 2022

This brochure is a general product presentation. It does not provide a warranty or guarantee of any kind. Please contact us for a description of the warranties and guarantees offered with our products. Directions for use and safety will be given separately. All information herein is subject to change without notice.
