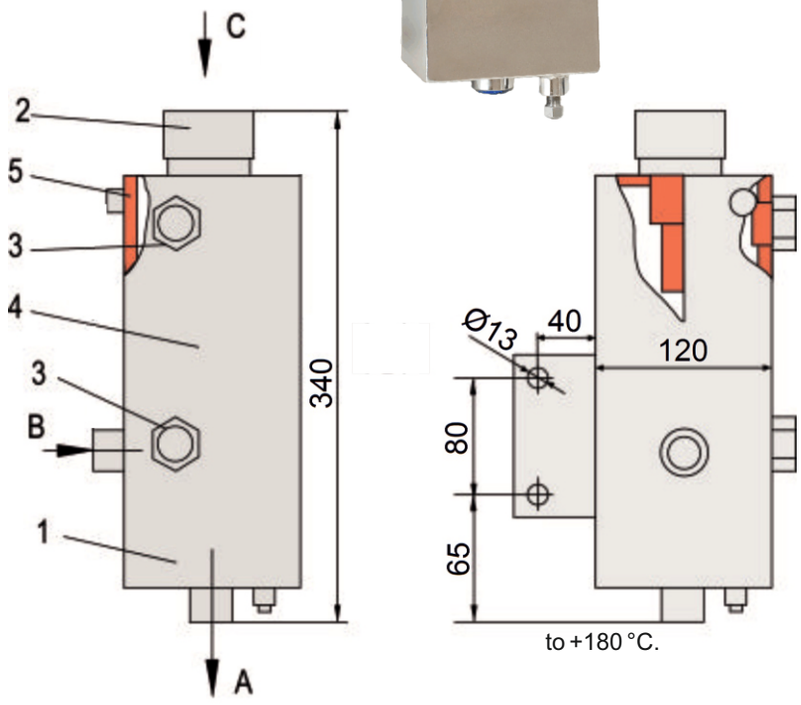
QT 20



Description

The QT 20, 2 Liter stainless steel tank, made of 1.4301 is equipped with sight glasses to monitor the MIN / MAX level and can be fastened with a fastening accessory. Leak overflow can be selectively discharged.Circulation according to API 682 / ISO 21049: Plan 51, Plan 52. Quench fluid supply systems are used to preserve single or tandem mechanical seals.They act as a convenient fluid reservoir.The fluid exchange takes place by the principle of termosiphon or forced circulation, e.g. with an external optional circulation pump.Design for average temperatures up to +180 °C

Notes

Install the coolant reservoir approx. 1 to 2 m above the mechanical seal. Install the connecting pipes to the mechanical seal with low resistance. Pipes should be automatically vented in the direction of the tank. It is imperative to avoid pockets of air. The minimum filling must always be above the side connection connector (in the case of the thermosiphon principle).

Item	Description
1	Storage tank (Capacity 3 l)
2	Inlet filter with vented cap
3	Sight-glass
4	Name plate
5	Overflow G 1/8

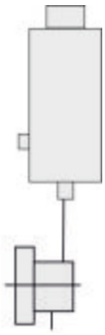
Connections	
A	To the mechanical seal
B	From the mechanical seal
C	Filling

Functional description

Quench fluid systems are employed:

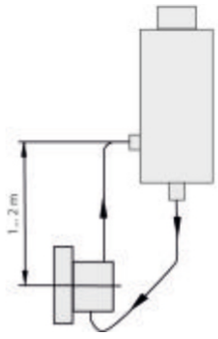
- to absorb leakage
- to monitor the leakage rate
- to preserve and to cool the outboard mechanical seal in a tandem arrangement.
- to protect against dry running.
- to stabilize the lubricating film.
- to exclude air from the media in order to prevent a reaction with oxygen in the air

Installation API51



Dead-end quench (Plan 51):
Quench liquid from a raised tank. The characteristic feature of this principle is that there is no heat dissipated by the system.

Installation API52



Circulation (Plan 52):
Quench liquid from a raised tank; External tank, without pressure; Thermosiphon or forced circulation. In this case the heat is dissipated by the circulation. However, the convection cooling capacity is minimal.

optional circulation pump

Quench Systems

Seal Supply Systems