



Product Description

Circulation in accordance with API 682 / ISO 21049: Plan 21, Plan 22, Plan 23, Plan 41
 HEK designed heat exchanger is employed to cool process/barrier fluids in seal supply systems. The heat exchanger has a wound double helix around the guide tube, the process/barrier medium is directed through the shell of the HEK and the cooling medium through the tubes.

Technical Features

1. Cooling capacity up to 10.5 kW
2. Cost effective solution
3. Effective cooling achieved with wound double helix around a guide tube
4. Designed for varied applications due to construction in stainless steel
5. For optimum and simple cleaning, the heat exchanger can be dismantled

Typical Industrial Applications

Chemical industry
 Petrochemical industry
 Power plant technology
 Refining technology
 Oil and gas industry

Notes

Mount vertically with connections pointing up.
 Provide for external venting on the process/barrier medium side (the user has to install a vent at the highest point of the pipe work).

Cleaning:

Cooling water side: the area around the tubes can be cleaned mechanically after the housing is removed.

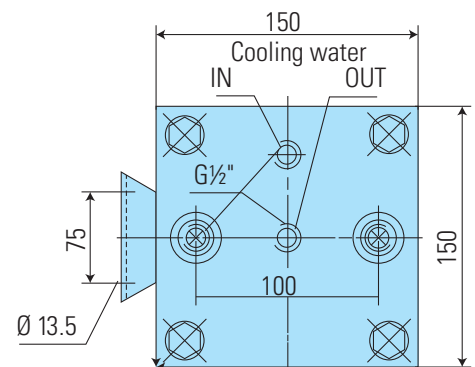
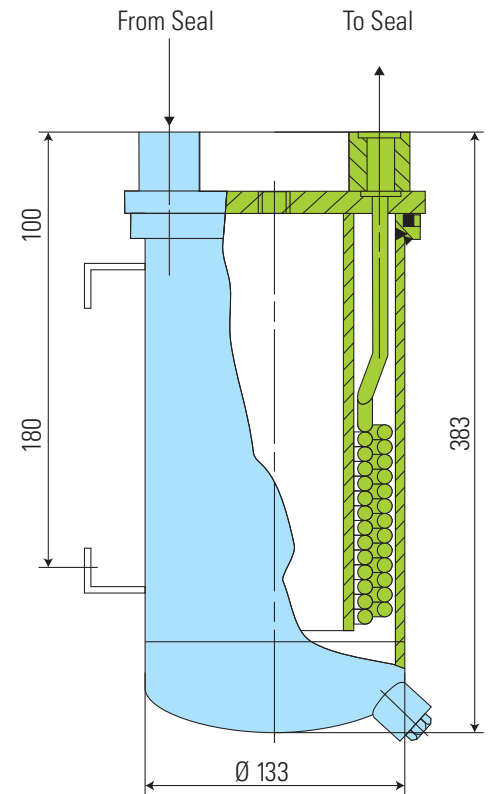
process/barrier medium side: flush with a suitable solvent.

Standards

PED 2014/68/EU (Design and production in accordance with EU Pressure Equipment Directive)

Technical Features

Designation HEK	Tube	Shell
Pressure Equipment Directive	PED	
Allowable pressure ¹⁾	120 bar (1740 PSI)	16 bar (232 PSI)
Allowable temperature ¹⁾	160 °C (320 °F)	95 °C (203 °F)
Inlet temperature ²⁾	70 °C (158 °F)	25 °C (77 °F)
Flow rate ²⁾	10 l/min	1.8 m ³ /h
Volume (litres)	0.34	1.13
Cooling surface ²⁾	0.3 m ²	
Cooling capacity (kW)	10.5	
Metal parts	SS 316	Carbon steel, primed on the outside
Seals		FKM
Screws		Stainless steel A4-70



Other versions on request.

¹⁾ These values are based on the calculation of strength.

²⁾ These values are based on the calculation of heat.