

Product Description

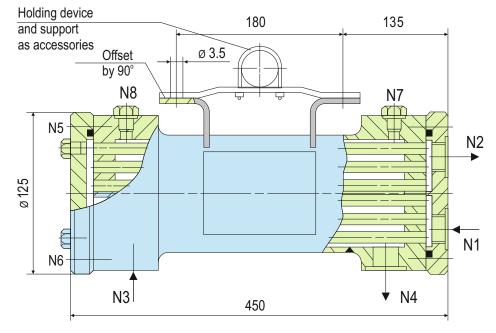
Circulation in accordance with API 682 / ISO 21049: Plan 21, Plan 22, Plan 23, Plan 41

HED designed heat exchanger is employed to cool process/barrier fluids in seal supply systems.

Construction of the vessel is in a tubular design with integrated guide plates, the process/barrier medium is directed through the shell of the HED and the cooling medium through the tubes.

Technical Features

- 1. Cooling capacity up to 36 kW
- 2. Installation can be done either in a vertical or a horizontal position
- 3. For optimum and simple cleaning, the heat exchanger can be dismantled
- Compact design of tubular heat exchanger with integrated guide plates alongwith extremely efficient cooling capacity
- Designed for varied applications due to construction in stainless steel allows flush with a suitable solvent on the process/barrier medium side



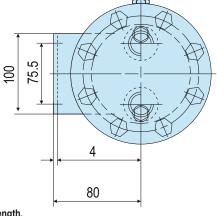
Connections			
ltem	Description		
N1	Cooling water IN		
N2	Cooling water OUT		
N3	Process/barrier medium IN		
N4	Process/barrier medium OUT		
N5	Cooling circuit vent		
N6	Cooling water drain		
N7/N8	Process/barrier circuit vent		

Other versions on request.

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

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

⁹ Related to water on both sides



Typical Industrial Applications

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

Notes

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)

ASME VIII, Div. 1 (Design, calculation and production)

Technical Features				
Designation HED	Tubes	Shell		
Pressure Equipment Directive	PED			
Allowable pressure $^{\scriptscriptstyle 1\!\scriptscriptstyle)}$	16 bar (232 PSI)	130 bar (1885 PSI)		
Allowable temperature ¹⁾	150 °C (302 °F)			
Inlet temperature ²⁾	30 °C (86 °F)	65 °C (149 °F)		
Flow quantity (m ³ /h) ^{2) ')}	1	approx. 0.5		
Volume (litres)	0.23	1.4		
Cooling surface ²⁾	0.2			
Cooling capacity (kW)"	6			
Metal parts	SS 316			
O-rings	FKM			
Gaskets	PTFE			
Screws	Stainless steel A4-7	Stainless steel A4-70		

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