

RELY ON EXCELLENCE

WE6

Seal Supply Systems | Heat exchangers



Features

Heat exchangers of the WE6 range are used to cool process/barrier fluids in seal supply circuits. WE heat exchangers are available in two standard sizes and are API 682 conform. The process/barrier medium is directed through the tube and the cooling medium through the shell.

For simple draining or venting of the cooling water side, the heat exchanger can also be supplied with ventilation/drainage ball valves. In addition, the heat exchangers can also be combined with a temperature instrument in the supply line to the mechanical seal (optional in accordance with API 682).

Circulation in accordance with API 682 / ISO 21049: [Plan 21](#), [Plan 22](#), [Plan 23](#), [Plan 41](#)

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.

Advantages

- Operating limits up to 45 bar / 260 °C (tube side): suitable for a wide range of demanding operating conditions.
- Heat exchanger can be dismantled: for optimum and simple cleaning of the tubes
- Cooling water side and process side can be completely vented and drained
- 1.4404 stainless steel: high resistance to corrosive fluids

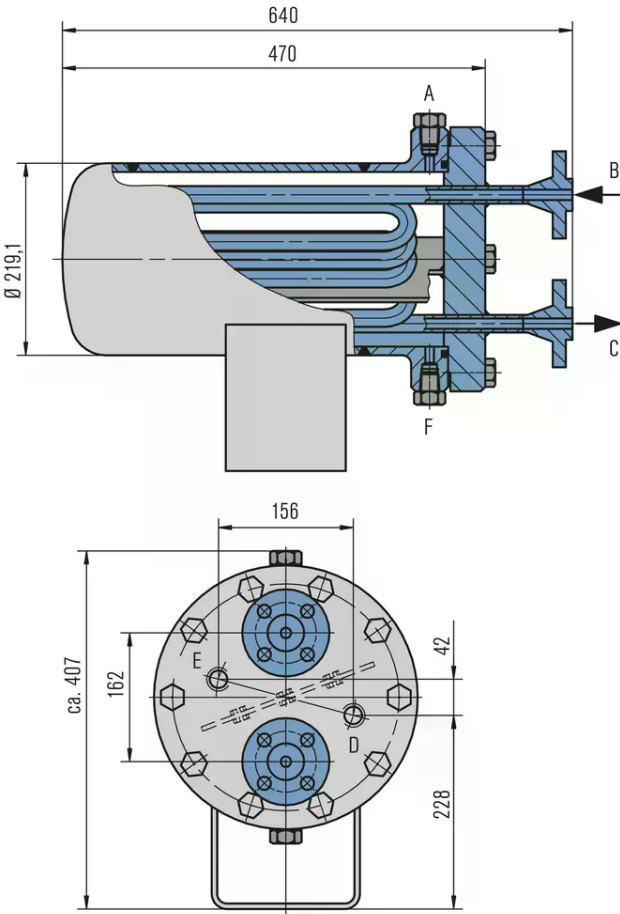
Standards and approvals

- PED 2014/68/EU (Design and production in accordance with EU Pressure Equipment Directive)
- ASME VIII, Div. 1 (Design, calculation and production)

Recommended applications

- Chemical industry
- Petrochemical industry
- Oil and gas industry
- Refining technology

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Item	Description
A	Cooling circuit vent
B	Barrier medium IN
C	Barrier medium OUT
D	Cooling water IN
E	Cooling water OUT
F	Cooling circuit drain

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Installation, details, options

Product variants

Designation	WE6055/A008-D0	WE6055/A009-D0	WE6055/A010-D0
	Tube	Shell	Tube
Design code	ASME VIII, Div. 1	ASME VIII, Div. 1	ASME VIII, Div. 1
Process connections	Flange 3/4", 600 lbs	3/4" NPT (f)	Flange 3/4", 600 lbs
Allowable pressure ¹⁾	55 bar(798 PSI)	15 bar(217 PSI)	55 bar(798 PSI)
Allowable temperature ¹⁾	-29 ... +260 °C(-20 ... +500 °F)	-29 ... +260 °C(-20 ... +500 °F)	-29 ... +260 °C(-20 ... +500 °F)
Cooling capacity (kW) ²⁾	6.0	6.0	6.0
Metal parts	316/316L	316/316L	316/316L
O-Rings	Viton®	Viton®	Viton®
Screws	Stainless steelSA-193 B8M2	Stainless steelSA-193 B8M2	Stainless steelSA-193 B8M2

1) Other operation condition on request.

2) The cooling performance depends on the available fluids, their temperatures and flow rates. Please contact EagleBurgmann for professionally selecting the correct heat exchanger.