

RELY ON EXCELLENCE

WED5

Seal Supply Systems | Heat exchangers



Advantages

- Modular Design, length upgradeable
- High pressure version up to 250 bar (3,625 PSI) on request
- High temperature version up to 425 °C (797 °F) on request
- 316/316L stainless steel: high resistance to corrosive fluids
- Compliant with requirements acc. to TEMA C

Standards and approvals

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

Recommended applications

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

Features

Heat exchangers of the WED5 range (photo: WED5050/A020-D1) are used to cool process/barrier fluids in seal supply circuits. WED5 heat exchangers are available in 3 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 of the cooling water side, the heat exchanger can also be supplied with drainage ball valves. In addition, the heat exchangers can also be combined with a temperature instrument in the supply line to 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

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Installation, details, options

Product variants

Designation	WED5	WED5	WED5	WED5	WED5	WED5
	Tube	Shell	Tube	Shell	Tube	Shell
Lengths	500 mm	500 mm	800 mm	800 mm	1,200 mm	1,200 mm
Design code	PED 2014/68/ EU or ASME VIII, Div. 1	PED 2014/68/ EU or ASME VIII, Div. 1	PED 2014/68/ EU or ASME VIII, Div. 1			
Process connections	Flange 3/4", 600 lbs	3/4" NPT (f)	Flange 3/4", 600 lbs	Flange 3/4", 150 lbs	Flange 3/4", 600 lbs	3/4" NPT (f)
Design pressure*)	50 bar(725 PSI)	16 bar(232 PSI)	50 bar(725 PSI)	16 bar(232 PSI)	50 bar(725 PSI)	16 bar(232 PSI)
Design temperature*)	200 °C(392 °F)	95 °C(203 °F)	200 °C(392 °F)	95 °C(203 °F)	200 °C(392 °F)	95 °C(203 °F)
Metal parts	316/316L	C steel or316/316L	316/316L	C steel or316/316L	316/316L	C steel or316/316L

* Other operating data and variants with flanges on the process side 1,500 lbs resp. 2,500 lbs on request.