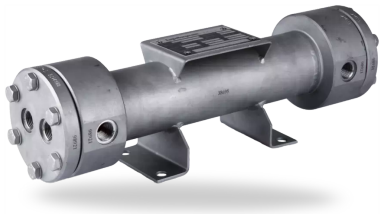
EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

WED

Seal Supply Systems | Heat exchangers



Features

Heat exchangers of the WED range are used to cool process/barrier fluids in seal supply circuits. Designed as a tubular heat exchanger with integrated guide plates, the process/barrier medium is directed through the shell of the WED and the cooling medium through the tubes.

Circulation based on API 682 / ISO 21 049: Plan 21, Plan 22, Plan 23, Plan 41

Notes

Cleaning:
Cooling water side: it can be cleaned mechanically after the cover is removed.
Process/barrier medium side: flush with a suitable solvent.

Advantages

- Tubular heat exchanger design with integrated guide plates, extremely efficient cooling capacity yet very compact dimensions
- Cooling capacity up to 36 kW*
- Universal usage: parts in contact with the medium are made of 1.4571
- It can be installed either in vertical or horizontal position
- The heat exchanger can be dismantled: easy to clean

Standards and approvals

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

Recommended applications

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

All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.

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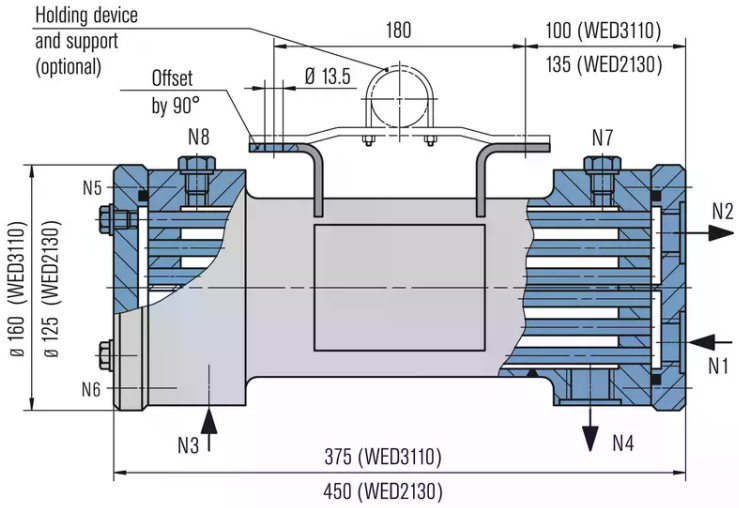

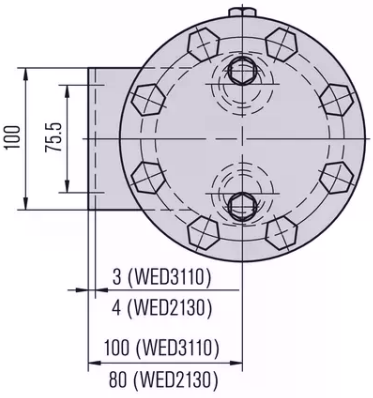

Connections	****
N2	Cooling water OUT
N1	Cooling water IN
N4	Process/barrier medium OUT
N3	Process/barrier medium IN
N7/N8	Process/barrier circuit vent
N5	Cooling circuit vent
N6	Cooling water drain

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Installation, details, options

Product variants

WED2	WED3
Tube bundle	Tube bundle
ASME VIII, Div. 1 oder PED2014/68/EU	ASME VIII, Div. 1 oder PED2014/68/EU
14 kg	31 kg
G 1/2" (inside)	G 3/4" (inside)
130 bar (g)	110 bar (g)
150 °C	150 °C
316L/1.4404 or similar	316L/1.4404 or similar
G 1/2" (inside)	G 3/4" (inside)
G 1/4" (inside)	G 1/4" (inside)
25 bar (g)	25 bar (g)
150 °C	150 °C
316L/1.4404 or similar	316L/1.4404 or similar
(low flow2) / high flow3))	(low flow2) / high flow3))
	6,9 kW / 10,8 kW
	3,0 kW / 4,3 kW

[1]) further versions available upon request (e.g. operating conditions, flange connection 1500 lbs, duplex material, etc.)
[2]) Low Flow: 8 l/min (process fluid), 10 l/min (cooling water), ΔT = 40 K (hot–cold)
[3]) High Flow: 15 l/min (process fluid), 20 l/min (cooling water), ΔT = 40 K (hot–cold)
The cooling performance depends on the available fluids, their temperatures and flow rates. Please contact EagleBurgmann for professionally selecting the correct heat exchanger.

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