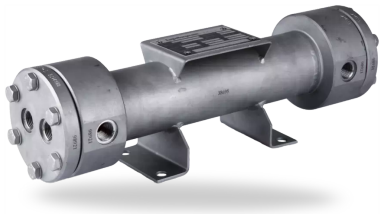
EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

WED

Seal Supply Systems | Heat exchangers



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

Features

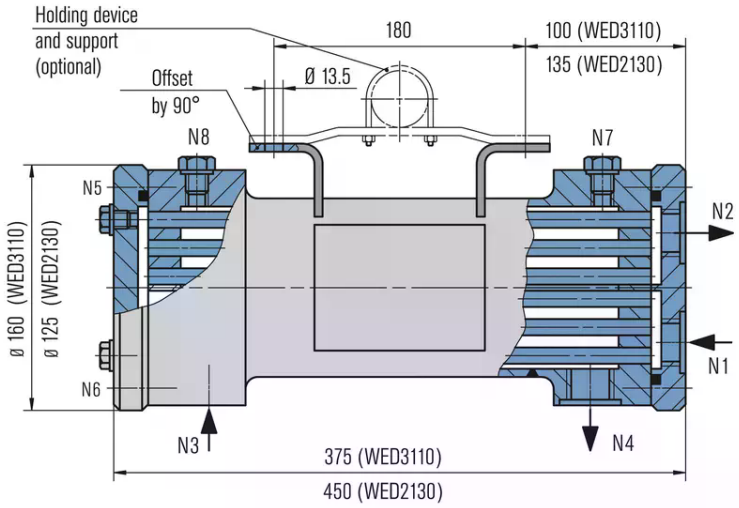
Heat exchangers of the WED range are used to cool process/barrier fluids in seal supply circuits. Designed as a tubular heat exchanger with integrated guide plates, the process/barrier medium is directed through the shell of the WED and the cooling medium through the tubes.

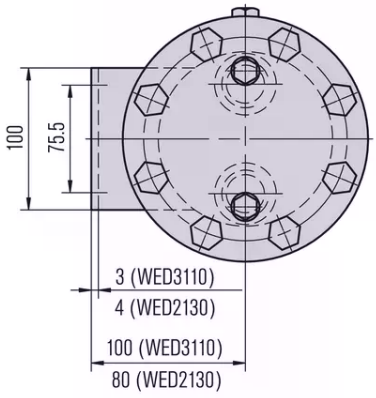
Circulation based on API 682 / ISO 21 049: Plan 21, Plan 22, Plan 23, Plan 41

Notes

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

eagleburgmann.com
info@eagleburgmann.com





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

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.