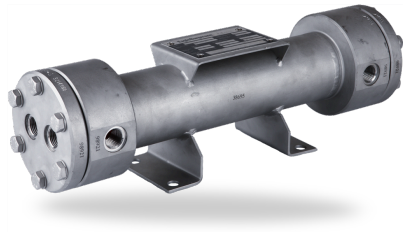




RELY ON EXCELLENCE

## 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

#### 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](#)

#### 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)

#### Notes

Cleaning:

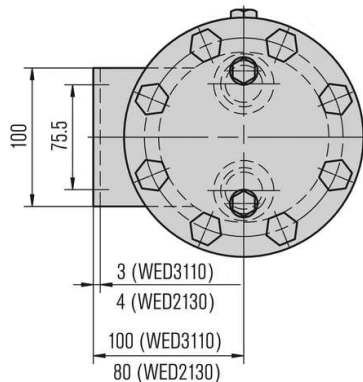
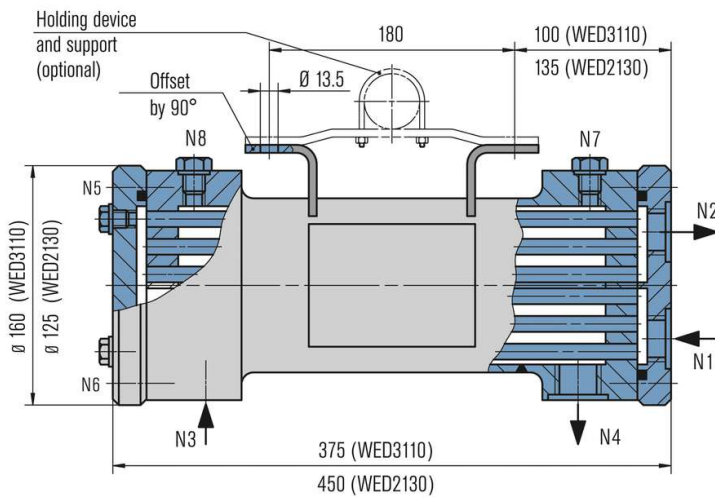
Cooling water side: it can be cleaned mechanically after the cover is removed.  
Process/barrier medium side: flush with a suitable solvent.

#### Recommended applications

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



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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

## Product variants

Designation	WED2130/A100		WED3110/A100		WED3050/A001-00	
	Tube	Shell	Tube	Shell	Tube	Shell
Design code	PED 2014/68/EU		PED 2014/68/EU		PED 2014/68/EU	
Allowable pressure <sup>1)</sup>	25 bar (363 PSI)	130 bar (1,885 PSI)	25 bar (363 PSI)	110 bar (1,595 PSI)	16 bar (232 PSI)	50 bar (725 PSI)
Allowable temperature <sup>1)</sup>	150 °C (302 °F)		150 °C (302 °F)		300 °C (572 °F)	
Volume (liters)	0.23	1.4	0.75	1.8	0.75	1.8
Cooling surface (m <sup>2</sup> )	0.2		0.5		0.5	
Cooling capacity (kW) <sup>2)</sup>	6		36		36	
Net weight (approx.)	14 kg (31 lb)		24 kg (53 lb)		24 kg (53 lb)	
Metal parts	1.4571		1.4571		1.4571	
O-Rings	Viton®		Viton®			
Gaskets	PTFE		PTFE		Statotherm / Novaphit	
Screws	Stainless steel A4-70		Stainless steel A4-70		Stainless steel A4-70	

Other versions on request.

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

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