

RELY ON EXCELLENCE

WEL1000

Seal supply systems | Heat exchangers



Features

Heat exchangers of the WEL1000 range are used to cool process/barrier fluids in seal supply circuits. The heat exchangers are made of straight, laser-welded finned tubes. The cooling medium is ambient air. It is important, therefore, for WEL heat exchangers to be installed in well ventilated places indoors or, ideally, outdoors. There is a choice of two different basic versions of the WEL1000 range (1 or 2 tubes), supplied fully assembled along with valves, base frame and other system components.

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

Advantages

- Welded finned tubes without gaps for guaranteed optimum energy transmission
- Universal usage: high-quality 1.4571 stainless steel finned tube design
- No cooling water connection or heating required for the cooling water pipe in winter
- There is a choice of two different basic versions

Standards and approvals

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

Notes

WEL heat exchangers should be installed in well ventilated places indoors or, ideally, outdoors. Vertical installation is essential.

Recommended applications

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

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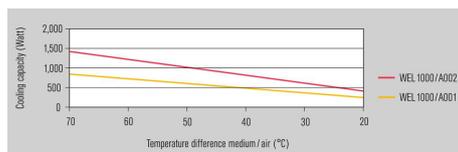
Product variants

Designation	WEL1000/A001	WEL1000/A002
Design code	PED 2014/68/EU	PED 2014/68/EU
Number of finned tubes	1	2
Process connections	G1/2"	G1/2"
Allowable pressure ¹⁾	110 bar (1.595 PSI)	110 bar (1.595 PSI)
Allowable temperature ¹⁾	200 °C (392 °F)	200 °C (392 °F)
Volume (liters)	0.7	1.4
Parts in contact with the medium	1.4571	1.4571

Other versions on request.

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

Charts



Cooling capacity: Values based on moved air min. 0.7 m/s and barrier fluid water.

The cooling performance depends on the available fluids, their temperatures and flow rates. Please contact EagleBurgmann for professionally

selecting the correct heat exchanger.