RELY ON EXCELLENCE

WEL2000

Seal Supply Systems | Heat exchangers

Features

Heat exchangers of the WEL2000 range (shown: WEL2001/A040) are used to cool process/barrier fluids in seal supply circuits. The heat exchangers are made of helical, laser-welded finned tubes. The cooling medium is ambient air. There is a choice of three different basic versions of the WEL2000 range, 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

Notes

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

Advantages

- Helical finned tube design with vertical arrangement of the fins to the wind direction: the solution for high cooling capacities
- 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

Standards and approvals

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

Recommended applications

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

Installation, details, options

Product variants

Designation	WEL2001/ A040	WEL2001/ A010	WEL2002/ A003	WEL6010A4A001-D0	WEL6020A4A001-D0	WEL6040A4A001-D0
API 682 4thedition confomity				■	■	■
Design code	PED 2014/68/ EU	PED 2014/68/EU	PED 2014/68/ EU	ASME VIII, Div. 13)	ASME VIII, Div. 13)	ASME VIII, Div. 13)
Number of finned tubes	1	2 finnedtubes switchedin parallel	2 finnedtubes switchedin parallel,double length	1	2 finnedtubes switchedin parallel	2 finnedtubes switchedin parallel,double length
Process connections	G1/2"	G1/2"	G1/2"	Flange 3/4",600 lbs	Flange 3/4",600 lbs	Flange 3/4",600 lbs
Drain / vent	G1/2"	G1/2"	G1/2"	Flange 1/2",600 lbs	Flange 1/2",600 lbs	Flange 1/2",600 lbs
Allowable pressure1)	110 bar(1,595 PSI)	110 bar(1,595 PSI)	110 bar(1,595 PSI)	44 bar(638 PSI)	44 bar(638 PSI)	44 bar(638 PSI)
Allowable temperature1)	200 °C(392 °F)	200 °C(392 °F)	200 °C(392 °F)	-29 ... +260 °C(-20 °F ... +500 °F)	-29 ... +260 °C(-20 °F ... +500 °F)	-29 ... +260 °C(-20 °F ... +500 °F)
Volume (liters)	1.7	3.4	6.8	1.2	2.4	4.8
Parts in contactwith medium	1.4571	1.4571	1.4571	316/316L	316/316L	316/316L

Other versions on request.
1) These values are based on the calculation of strength.
2) Version with screwed connection G1/2" available as an option.
3) Calculation based on ASME VIII, Div. 1
4) The cooling performance depends on the available fluids, their temperatures and flow rates. Please contact EagleBurgmann for professionally selecting the correct heat exchanger.

WEL2001/A010
Two finned tubes switched on parallel.

WEL2002/A003
Two finned tubes switched on parallel and double length.

WEL6020A4A001-D0
Cooler according to API 682 4th edition.

Charts

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