

RELY ON EXCELLENCE

WDK

Seal Supply Systems | Heat exchangers



Features

WDK5120 heat exchangers are used to cool process/barrier fluids in seal supply circuits. The heat exchanger has a wound double helix around the guide tube. Process/barrier medium in the tubes, cooling medium around the tubes.

Circulation based on API 682 / ISO 21049: [Plan 21](#), [Plan 22](#), [Plan 23](#), [Plan 41](#)

Notes

Mount vertically with connections pointing up. Provide for external venting on the process/barrier medium side (the user has to install a vent at the highest point of the pipe work).

Cleaning:

Cooling water side: the area around the tubes can be cleaned mechanically after the housing is removed.

Buffer medium side: flush with a suitable solvent.

Advantages

- Effective cooling: with wound double helix around a guide tube
- Cooling capacity up to 10.5 kW
- Excellent value for money
- Vessel can be dismantled: for optimum cleaning of the cooling water side
- Universal usage: parts in contact with the buffer medium are made of 1.4571

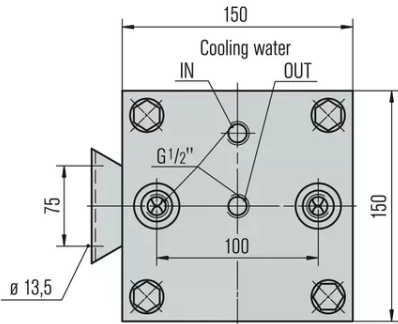
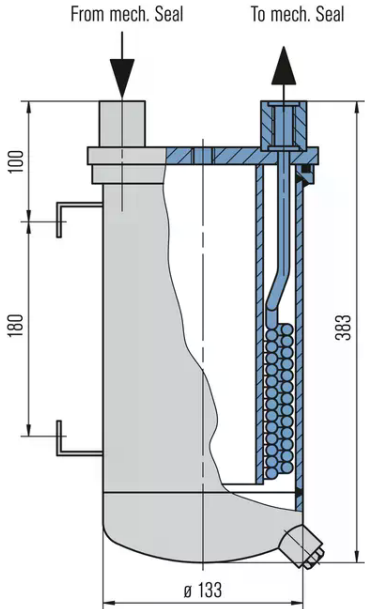
Standards and approvals

- PED 2014/68/EU, Art. 4, Paragraph 3 (Design and production in accordance with EU Pressure Equipment Directive, without CE-Sign)

Recommended applications

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

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Installation, details, options

Product variants

Designation	WDK5120/A003
	Tube
Design code	PED 2014/68/EU, Art. 4, Paragraph 3
Allowable pressure ¹⁾	120 bar (1,740 PSI)
Allowable temperature ¹⁾	160 °C (320 °F)
Volume	0.5 l
Cooling surface	0.3 m ²
Cooling capacity ²⁾	10.5 kW
Net weight (approx.)	10.3 kg (23 lb)
Full weight (approx.)	14.3 kg (28 lb)
Metal parts	1.4571
Seals	
Screws	

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.