baelz 106

SPIRAL TUBE HEAT EXCHANGERS

- standing version, thus suitable for capacity control with condensate backup
- exchangeable tube bundles optional
- Options: with feet / wall mounting / tipping device
- high elasticity for large temperature differences
- version without glands

FLUIDS

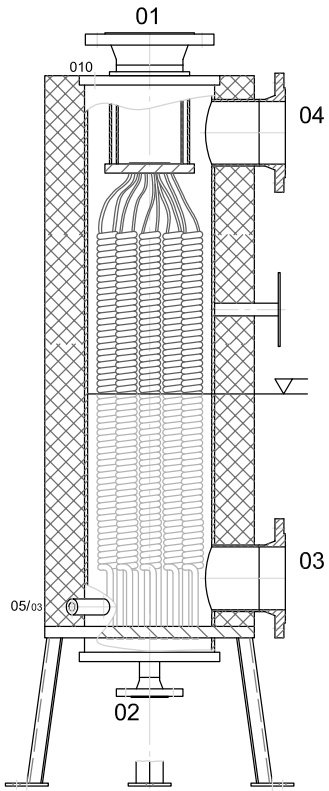
Tube side inlet/outlet: steam/condensate
Shell side: heating water / sanitary water / glycol

To avoid corrosion in heat exchangers, water qualities must be checked and recorded at regular intervals.
Requirements for water qualities can be found in our Corrosion Specification, which we are happy to send you upon request.

Technical specifications, baelz 106	
Tubes	Copper / stainless steel, tube bundles not exchangeable
Tube sheet	Carbon steel
Preheader	Carbon steel
Shell	Carbon steel
Condensate tray	Carbon steel, not removable
Insulation	Mineral wool with galvanized metal shell 80 mm
Housing height	max. 2200 mm
Diameter	min. Ø 89 mm, max. Ø 1000 mm

Execution, production and testing according to Pressure Equipment Directive PED 2014/68/EU
Category / Module: I / A, II / A2, III / G or IV / G or Art. 4, para. 3 and AD 2000 Rules.

Surcharges
removable condensate tray (B1) made of carbon steel
removable condensate tray (C1) made of carbon steel incl. 2 connections for thermo-level degassing (TNE)
exchangeable tube bundle (Fa)
"TURBO" version



baelz 106: tube side steam / condensate; shell side fluid

01 = steam inlet
02 = condensate outlet
03 = return inlet
04 = flow outlet
05/03 = secondary emptying (G 1/2 ")
010 = secondary deaeration/venting (G 1/4")

Note:
- All nozzles and sleeves principally to be connected without load pursuant AD2000.
- On the inlet side, a straight pipeline must be provided as a calming section with a length of min. 6 x DN of the heat exchanger inlet nozzle. The nominal diameters of the pipe and heat exchanger inlet nozzles must match.
- Required hot water quality according to VDI 2035 (avoidance of damage in hot water heating systems according to DIN EN 12828)

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