



baelz 105

U-TUBE HEAT EXCHANGERS

- in standing or lying version
- U-tube bundle exchangeable
- with feet
- vertical version optional with tipping device

FLUIDS

standing version:

tube side fluids; shell side steam

horizontal version (optional):

tube side steam; Sheath side fluids

tube side fluids; shell side steam

tube side fluids; shell side fluids

Fluids: e.g. heating/sanitary water, glycol, hot oil, neutral liquids, other fluids on request.

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 105

Tubes	Steel / copper / stainless steel
Tube sheet	Steel / plated / stainless steel
Preheader	Steel / stove enamelled / parts in contact with the fluid 1.4571
Shell	Steel
Insulation	Mineral wool with galvanized metal shell (50 / 80 mm)
Housing length	min. 1000 mm, max. 8000 mm
Diameter	min. Ø 114 mm, max. Ø 1200 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.

baelz 105 - standing version: tube side liquid; shell side steam

- 01 = heating steam inlet
- 02 = condensate outlet
- 03 = secondary return
- 04 = secondary flow
- 05/02 = Primary emptying (G 1/2 ")
- 05/03 = secondary emptying (G 1/2 ")

Note:

- All nozzles and sleeves principally to be connected without load pursuant AD2000.
- For the horizontal version, a straight pipe must be provided on the inlet side 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)