



## bælz 111 / 112

### STRAIGHT-TUBE HEAT EXCHANGERS

- standing version, thus suitable for capacity control with condensate backup
- tube bundle not exchangeable
- ring channel optional
- compensator optional
- bælz 112 suitable for drinking water

### FLUIDS

#### bælz 111:

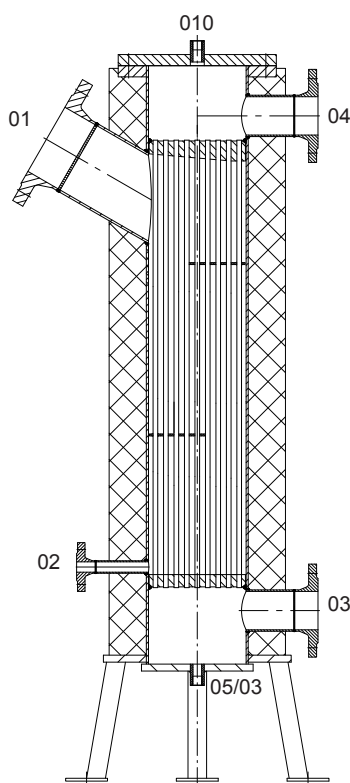
Tube side heating water, glycol, hot oil, neutral liquids, other fluids on request; shell side steam and condensate

#### bælz 112:

Tube side drinking water; shell side steam and condensate

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, bælz 111 / 112

	bælz 111	bælz 112
<b>Tubes</b>	Steel / copper / stainless steel	1.4571
<b>Tube sheet</b>	Steel / stainless steel	Steel (or Cu / rustfree steel plated / stainless steel)
<b>Preheader</b>	Steel / parts in contact with the fluid 1.4571	Stove-enamelled steel / stainless steel
<b>Shell</b>	Steel / parts in contact with the fluid 1.4571	Steel / parts in contact with the fluid 1.4571
<b>Insulation</b>	Mineral wool with galvanized metal shell 50 / 80 mm	
<b>Housing height</b>	min. 1000, max. 8000 mm	
<b>Diameter</b>	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.**

bælz 111 / 112:

- 01 = heating medium inlet
- 02 = heating medium outlet
- 03 = secondary return
- 04 = secondary flow
- 05/03 = secondary emptying (R 3/4 ")
- 010 = deaeration/venting for 01/02 (DN 20, PN 16)

#### Note:

- All nozzles and sleeves principally to be connected without load pursuant AD2000.
- Required hot water quality according to VDI 2035 (avoidance of damage in hot water heating systems according to DIN EN 12828)