

Specifications**Spec baelz 138**

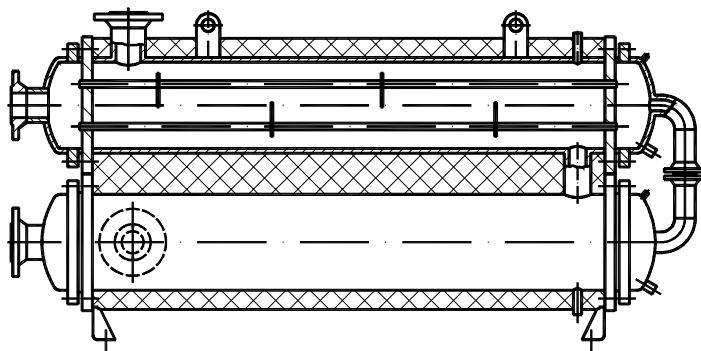
**Straight tube heat-exchanger baelz 138
for liquid/liquid or steam/liquid with 2-tube plates
with welded-in heating battery**



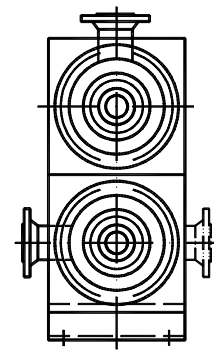
345965-135-Nr1.JPG



345974-138-Nr2.JPG



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Characteristical data:

available shell diameters: min. Ø 114 mm
max. Ø 1,200 mm
available shell length: 1,000 mm - 8,000 mm
heating battery surface: 0.5 - 2,000 m²
heating battery tubes: 10 x 1 mm or
12 x 1 mm or
14 x 1.5 mm
18 x 1.5 mm
25 x 2.5 mm
in steel, stainless steel or copper
primary fluid can be within the shell or within the tubes

Specifications
Spec baelz 138
Text for quotations + orders:
High-duty heat-exchanger baelz 138

in horizontal design with _____ passes
 made according to the AD-codes of practice
 design according to the European Pressure Equipment Directive 97/23/EC
 for category / module alternatively: I / A ; II / A1 ; III / G or IV / G
 with/without TÜV code stamp

tubes: finned tubes/bare tubes (with baffle plates) *
 steel/copper/special steel *

¹ material no.: _____

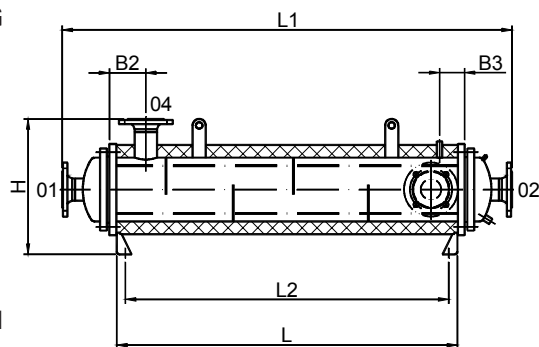
tube plate: steel/clad/special steel *

heads: steel/coated/special steel *

shell: steel

isolation in mineral wool with galvanized plate

for coolers: steam tight solid moltopren foam with galvanized plate (only possible for single-row apparatus)



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operational data:

² power Q = _____ kW _____ kcal/h

fouling factor ϕ_F , if known = _____ $10^{-4} \cdot \frac{m^2 \times K}{W}$

nominal pressures tube side/shell side: NP _____ / _____

³ tube side: _____ = _____ / _____ °C

max. admissible operating temperature = _____ °C
 max. admissible operating pressure = _____ bar g
 pressure loss Δp = _____ mbar

⁴ shell side: _____ = _____ / _____ °C

max. admissible operating temperature = _____ °C
 max. admissible operating pressure = _____ bar g
 pressure loss Δp = _____ mbar

connections:

primary circuit 01/02 ND _____ NP _____
 secondary circuit 03/04 ND _____ NP _____

external dimensions:

length approx. = _____ mm
 diameter approx. = _____ mm
 height approx. = _____ mm

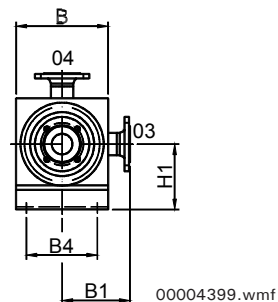
weight:

structural weight approx. = _____ kg
 operating weight approx. = _____ kg

prices on inquiry

* please cross out the possibilities which do not apply

¹⁻⁴ _____ needed for quotations



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Specifications**Spec baelz 138****Pictures of the production**

BS_Nova028.jpg



BS_Nova029.jpg



BS_Nova032.jpg

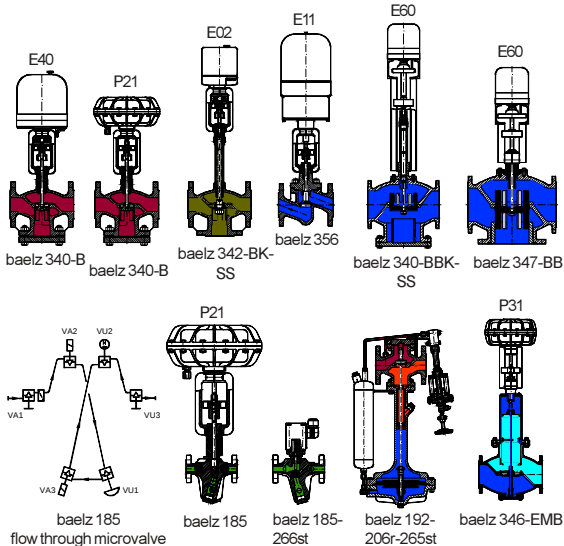
Rights reserved to make technical changes



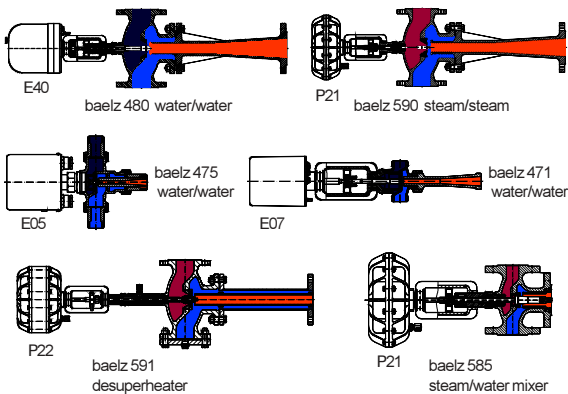
Bälz-thermodynamic
Bälz-vapordynamic
Bälz-hydrodynamic
Bälz-electro-dyn-digital
Bälz-electro-dyn-analog

BAELZ CONTROL COMPONENTS:

Pneumatically and electrically operated INDUSTRIAL CONTROL VALVES



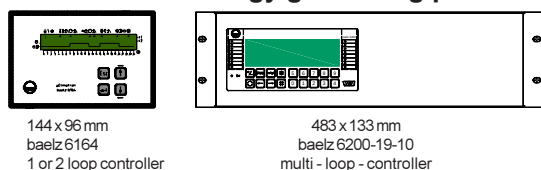
CONTROLLABLE NOZZLE EJECTORS with electric or pneumatic actuators



CONTROLLERS / MICROPROCESSORS for industry + energy generating plants



CONTROLLERS / MICROPROCESSORS for HVAC + energy generating plants



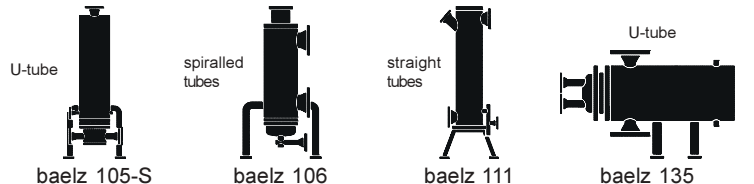
PACKAGED HEAT-EXCHANGER SYSTEMS

baelz 145-XXX - vertical steam/water systems with condensate outlet control



Steam Terminal
Hot Water Terminal
Hot Oil Terminal
Luxese Instant Heat
FastHeat of Baelz

50 kW - 20 MW

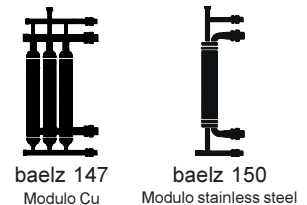


PACKAGED MODULAR HEAT-EXCHANGER SYSTEMS

baelz 147-XXX - steam/water modules with condensate outlet control



completely copper completely SS



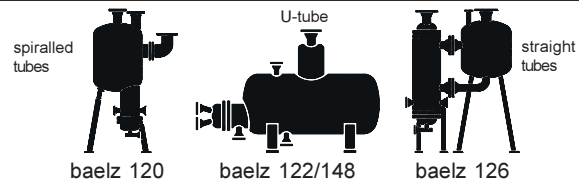
20 kW - 5 MW

PACKAGED STEAM GENERATION SYSTEMS

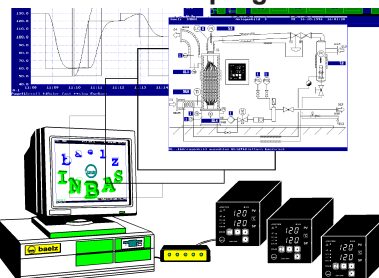
baelz 145-120 / 122 / 126 / 148-XXX

100 kg/h - 15 t/h

completely in stainless steel



SERVER-CLIENT SUPERVISION SYSTEMS with program Baelz WinBas



baelz 4614 protocols:
Modbus RTU
Profibus dP or PA
BACNET