

GESTRA Fax: ++49 (0) 421 - 35 03-149

Condensate flowrate _____ kg/h

Condensate temperature _____ °C

Condensate pressure _____ bar(a)

Tank design:

- Cylindrical Rectangular Horizontal Vertical

Condensate pumps:

Qty. _____

Discharge head _____ mWS

Mains voltage _____

- Horizontal pump Vertical pump

Discharge control:

Level electrode yes no

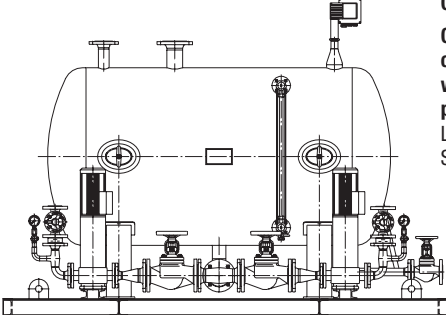
Supply options:

- Accessories detached Accessories assembled and interconnected
 No accessories

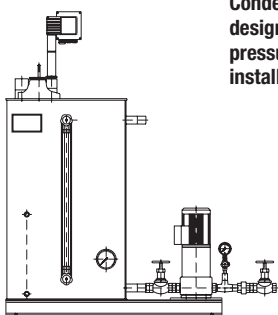
Condensate tank made of:

- Steel Stainless steel grade 1.4541 (X6CrNiTi18-10)
 Stainless steel grade 1.4571 (X6CrNiMoTi17-12-2)

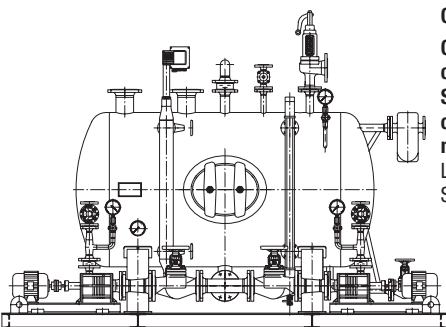
Typical Installations



Open System
Condensate receiver tank of cylindrical design type SD L (S) with high-pressure centrifugal pump(s) installed next to tank
L = horizontal design
S = vertical design



Condensate tank of rectangular design type SDR A with high-pressure centrifugal pump(s) installed next to tank



Closed System
Condensate receiver tank of cylindrical design type SD L (S) with horizontal-type centrifugal pump(s) installed next to tank
L = horizontal design
S = vertical design

Please enter:

Name / Title
Company Name
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Reducing of steam pressure

yes no

If yes, Self-acting control Electric
 Electro-pneumatic

Steam flowrate _____

Steam pressure:

P₁ _____ bar/psi upstream of pressure reducing station

P₂ _____ bar/psi downstream of pressure reducing station
or when no more pressure reduction takes place

P₃ _____ bar/psi downstream of cooling station

Steam temperature:

t₁ or t₂ _____ °C upstream of pressure reducing station or
when no more pressure reduction takes place

t₃ _____ °C downstream of cooling station

Cooling fluid:

P₄ _____ bar/psi upstream of cooler t₄ _____ °C upstream of cooler
if not fitted with pump yes no

Water-bath desuperheater

t₃ = t_s

Injection cooler

t₃ = t_s + > 5° controllable

Supply options for water-bath desuperheater:

Accessories detached Accessories assembled

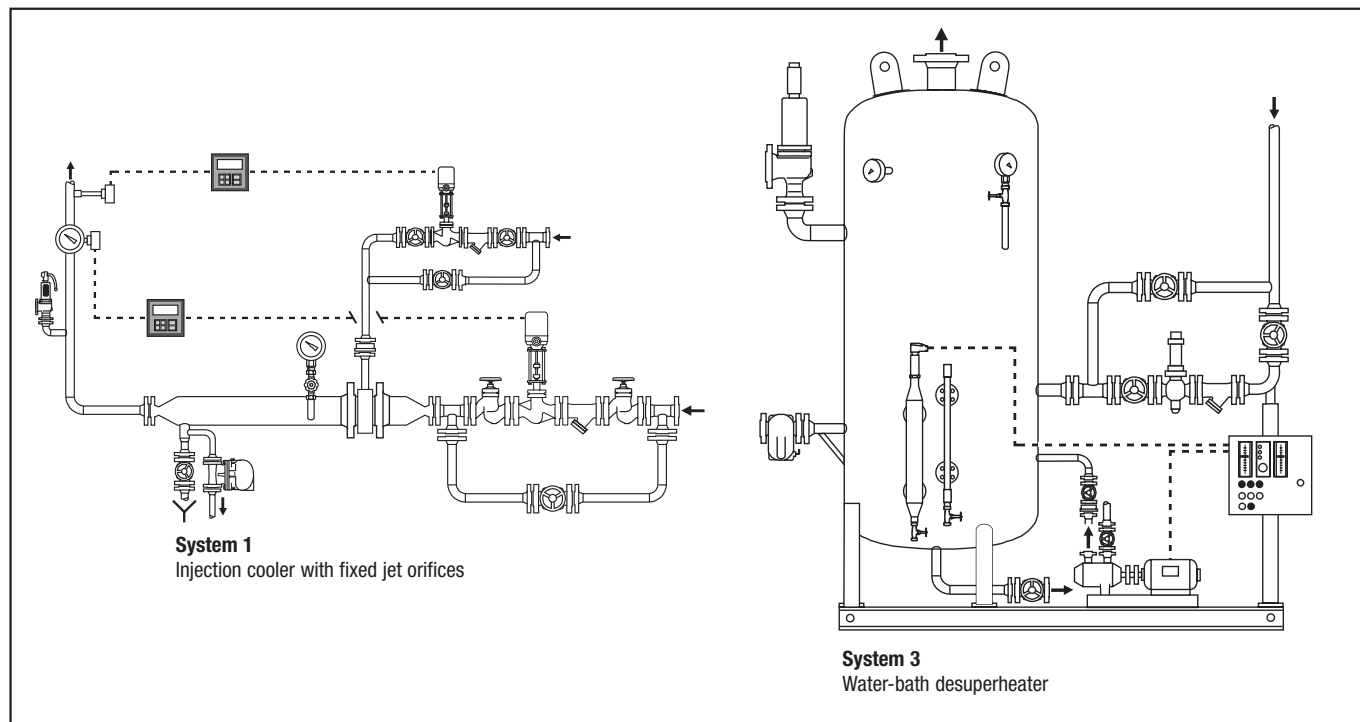
Optional equipment:

High-temperature alarm Excess temperature protection
 Low-water level alarm

Special requirements concerning cooler:

Material Steel Stainless steel grade 1.4571
(X6CrNiMoTi 17-12-2)

Typical Installations



Please enter:

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Thermal output _____

Service data (primary)

Medium: Steam Hot water Thermal oil
 Pressure _____ bar/psi Temperature On _____ °C Flowrate _____ kg/h
 Temperature Off _____ °C

Services data (secondary)

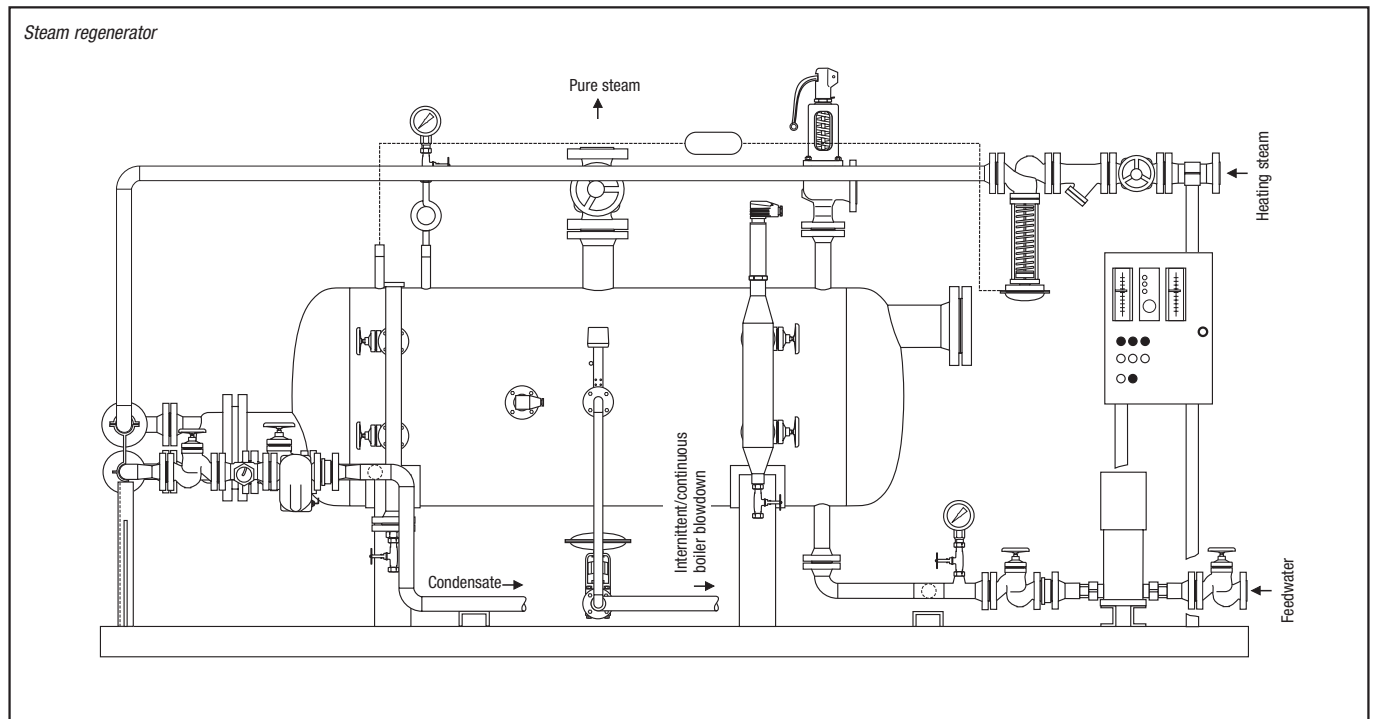
Medium: Steam Feedwater Temperature _____ °C Flowrate _____ kg/h
 Pressure _____ bar/psi

Control (pressure side) Self-acting Electric Pneumatic

Feedwater control Solenoid valve or motorized valve Feedwater pump

Application _____

Typical Installations



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Boiler capacity _____ kg/h

Make-up water flowrate _____ kg/h Temperature approx. _____ °C

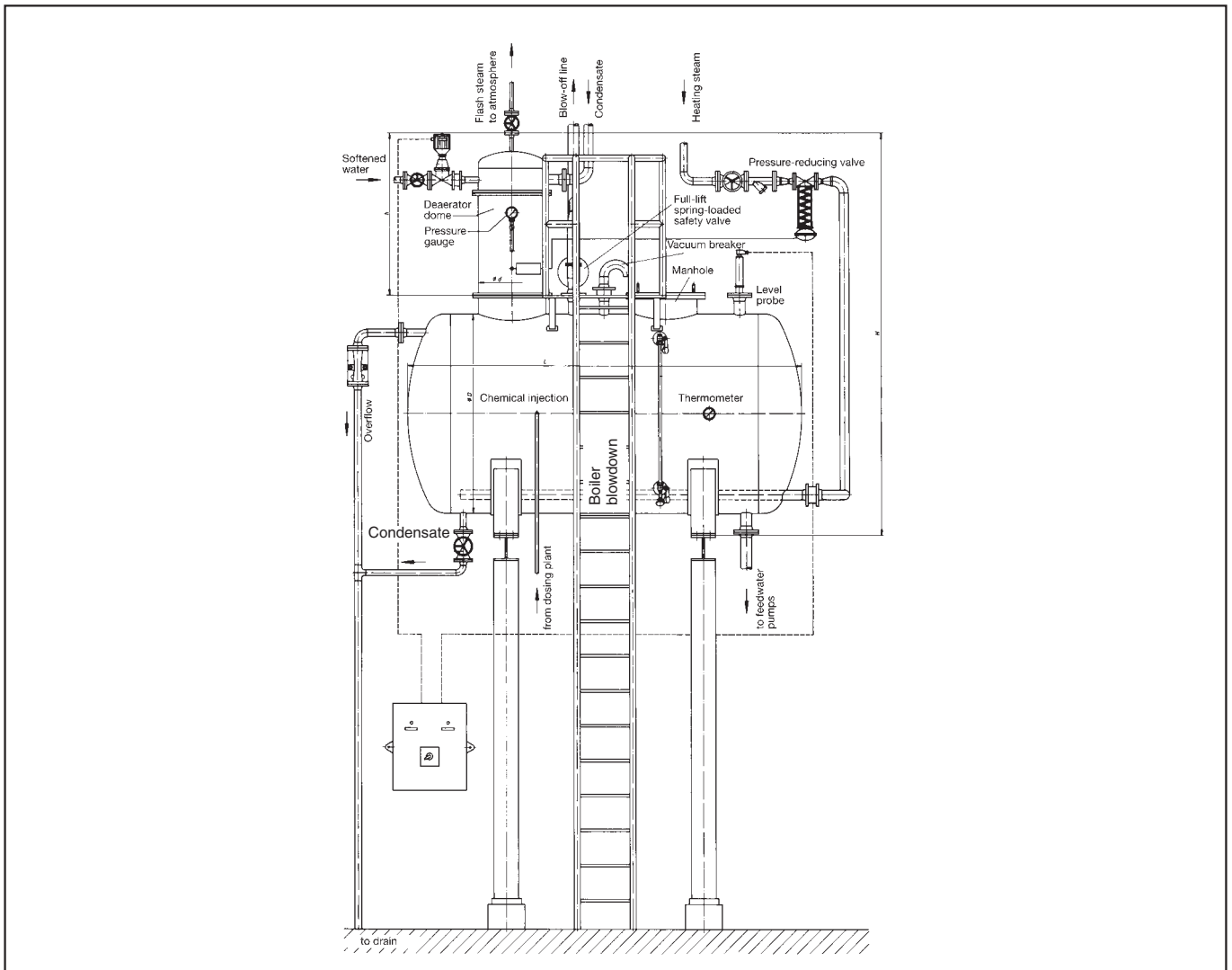
Steam pressure _____ bar(a)

Service pressure (deaerator) _____

Make-up feed control Electric Pneumatic

Pressure control Self-acting Electric Pneumatic

Typical Installation



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Pressure p_1 upstream of steam trap at steam user
(boiler pressure at flash vessel)

$P_1 =$ _____ bar(a)/psi(a)

Pressure p_2 of flash steam at flash outlet to low pressure system

$P_2 =$ _____ bar(a)/psi(a)

Pressure p_3 downstream of steam trap after the flash vessel

$P_3 =$ _____ bar(a)/psi(a)

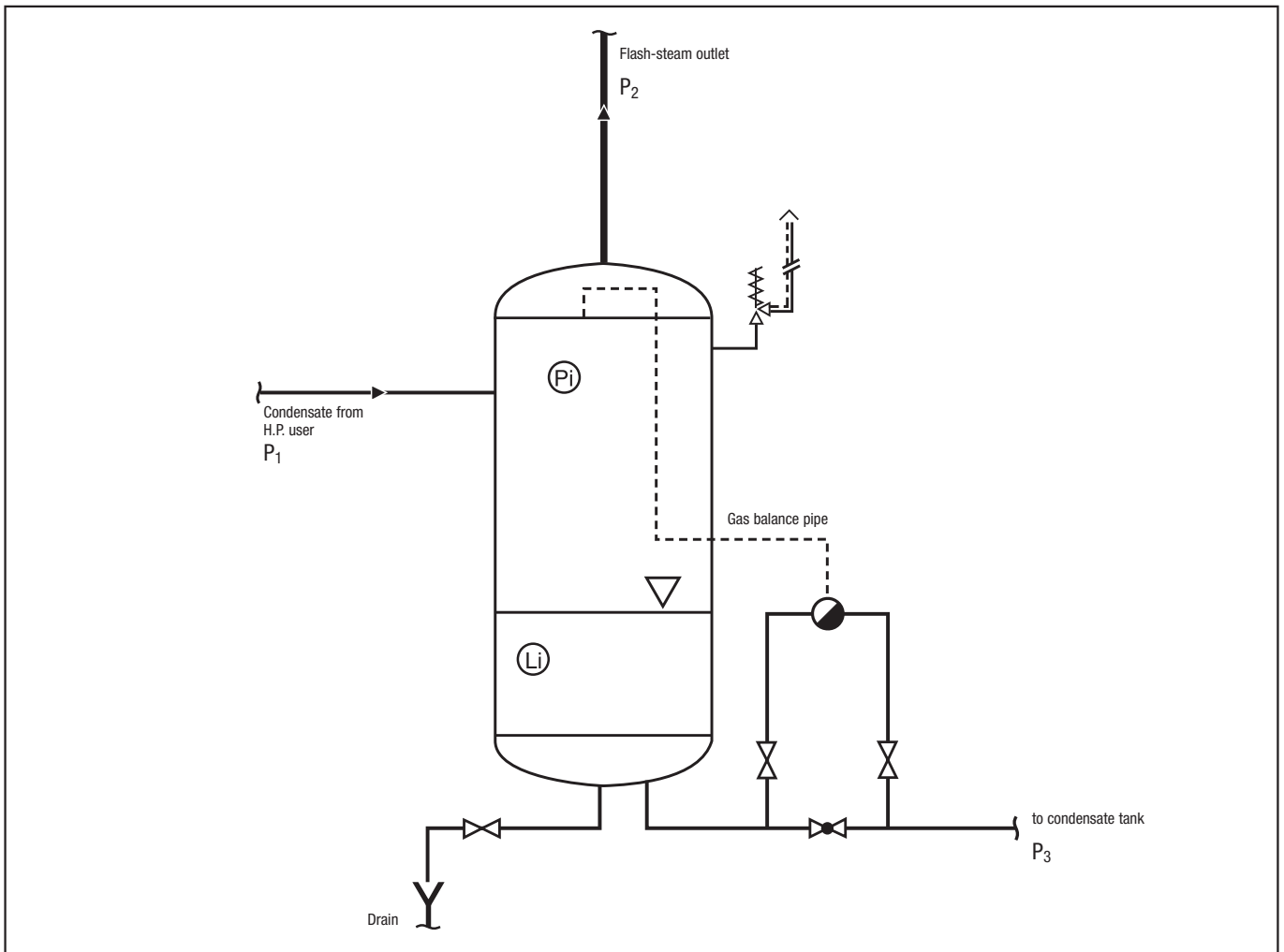
Condensate flowrate to flash off

$m =$ _____ kg/h

Flash vessel material für die Entspanneranlage _____

Please state all pressure specifications in bara or psia!

Typical Installation



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Hot-water flowrate _____ kg/h

Hot-water temperature _____ °C

Hot-water pressure _____ bar(a)

Cooling-water temperature _____ °C

Cooling-water pressure _____ bar(a)

Material

Steel

Stainless steel grade 1.4571
(X6CrNiMoTi 17-12-2)

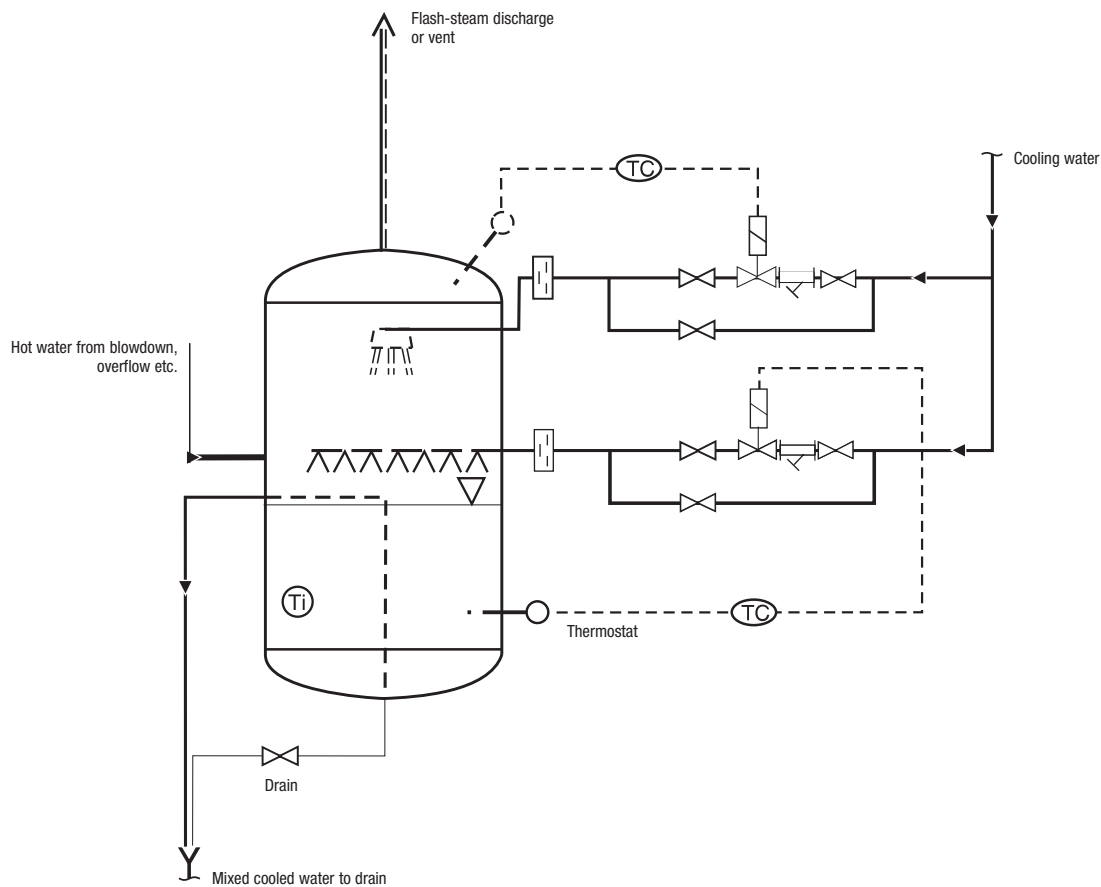
Application

Boiler blowdown

Other

Typical Installation

Mixing cooler with cooling-water control and, on request, with additional flash-steam condensation



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Thermal output _____

Service data (primary)

Medium: Steam Hot water Thermal oil
 Pressure _____ bar/psi Temperature (in) _____ °C Flowrate _____ kg/h
 Temperature (out) _____ °C
 Material: Steel Stainless steel grade 1.4571
 (X6CrNiMoTi 17-12-2)

Service data (secondary)

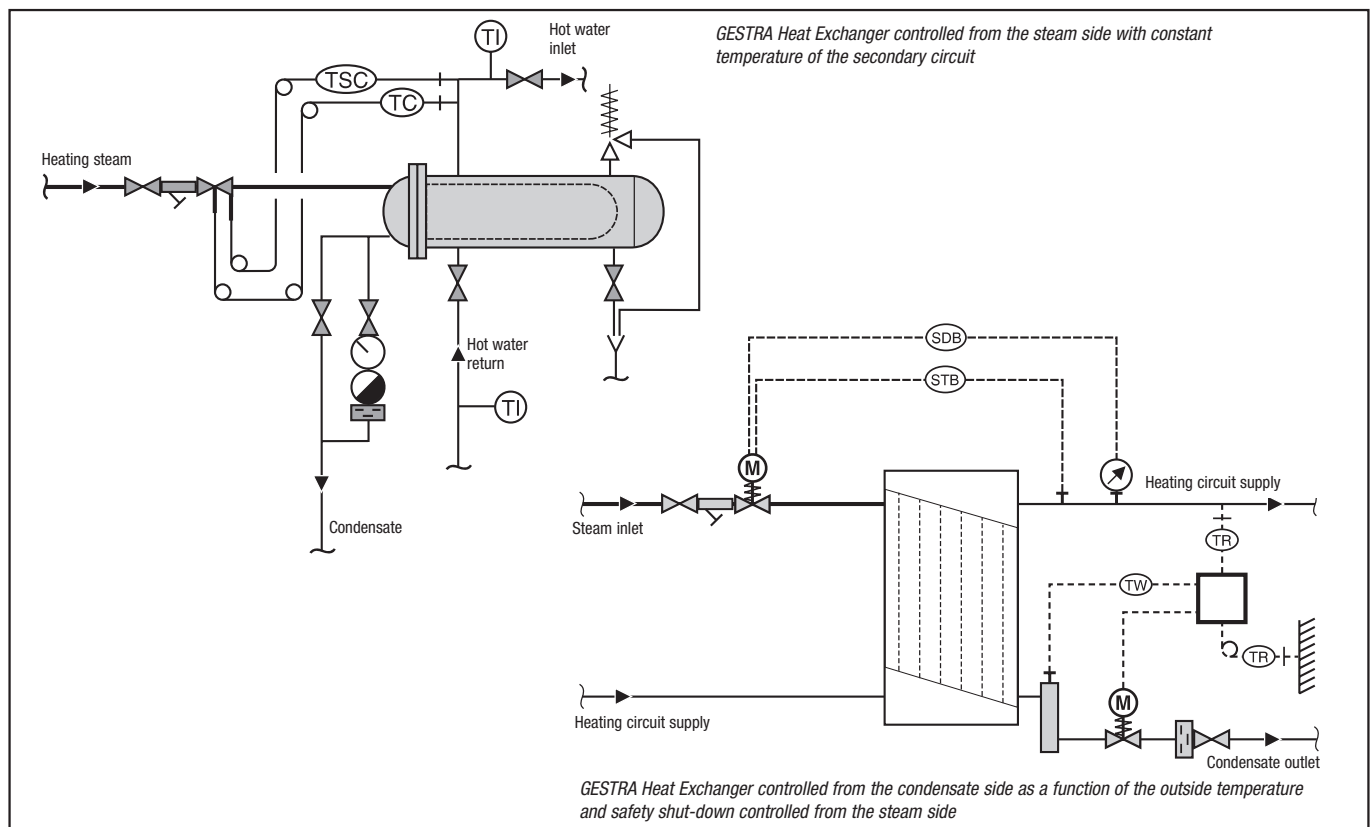
Medium: Steam Hot water Thermal oil
 Pressure _____ bar/psi Temperature (in) _____ °C Flowrate _____ kg/h
 Temperature (out) _____ °C
 Material: Steel Stainless steel grade 1.4571
 (X6CrNiMoTi 17-12-2)

Control Self-acting Electric
 Pneumatic

Controlled from the condensate side

Design horizontal tube bundle heat exchanger
 vertical tube bundle heat exchanger

Typical Installation



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Medium: Saturated steam Superheated steam Air Gas _____

Flowrate: \dot{m} = _____ kg/h \dot{V}_N = _____ Nm³/h

Service pressure: p = _____ bara/psia

Service temperature: t = _____ °C

Approved pressure: p = _____ barg/psig

Approved temperature: t = _____ °C

Inspection and certification: _____

Connections: Inlet/Outlet: DN/PN _____

Condensate outlet: DN/PN _____

Material:

S235JRG2 (RSt 37-2) P265GH (H II) 16 Mo 3

1.4541 (V2A) 1.4571 (V4A) _____

Connection arrangements:

Please enter:

Name/Title
Company Name
Telephone
Fax
E-mail
Date