

Vessel data sheet

Client

Project name

Item no. Inquiry no. Spec. no.

Person in charge Date

Phone Fax e-mail

1) General data

storage tank mixing tank

Location indoor outdoor

Nominal capacity m³

Filling capacity m³

Arrangement Horizontal Vertical

Flange standard DIN ANSI

Flange face RF groove tongue O-ring

sterile conditions WHG

Calculation code AD ASME

Inspection authority TÜV

2) Process data

Fluid density kg/m³

Mass kg

Viscosity mPas

Operation mode continuous batch

Troughput kg/h

3) Operating data

Pressure/vacuum bar(g)

Temperature °C

	Heating	Cooling	
Mass	<input type="text"/>	<input type="text"/>	kg
Filling height	<input type="text"/>	<input type="text"/>	mm
Starting temperature	<input type="text"/>	<input type="text"/>	°C
End temperature	<input type="text"/>	<input type="text"/>	°C
Max. heating time	<input type="text"/>	<input type="text"/>	h
Heating media	<input type="text"/>	<input type="text"/>	
Specific heat	<input type="text"/>	<input type="text"/>	J/kg*K
Temperature inlet	<input type="text"/>	<input type="text"/>	°C
Temperature outlet	<input type="text"/>	<input type="text"/>	°C
Pressure	<input type="text"/>	<input type="text"/>	bar(g)
Flow rate	<input type="text"/>	<input type="text"/>	kg/h

4) Design data

	Pressure	Temperature
Vessel shell	<input type="text"/> bar(g)	<input type="text"/> °C
External coil	<input type="text"/> bar(g)	<input type="text"/> °C
Internal coil	<input type="text"/> bar(g)	<input type="text"/> °C

corrosion allowance

Vessel	<input type="text"/> mm
External coil	<input type="text"/> mm
Internal coil	<input type="text"/> mm

additional loads, refer to remarks

5) Materials

Shell/ends/internal
heat exchangers

Internal welded
attachments

External welded
attachments

Product wetted
fasteners

External fasteners

Gaskets

Thermal insulation

Lined flanges allowable yes no

6) Surface treatment

Product wetted parts

pickling and passivating electropolished ground Ra μm

External parts

pickling and passivating electropolished Parts of carbon steel painted

shot blasted (glass balls) insulated Insulation thickness mm

7) Building data

Bottom shape

Top shape

Vessel diameter

 mm

Total height without nozzels

 mm

shell length T-T

 mm

single piece vessel top detachable

insulation collar earthing lugs

Support

tube legs profile legs skirt 3 support brackets 4 support brackets

saddle support ring lifting lugs lifting bars prepared for load cells

Thickness

Top end

 mm

Bottom end

 mm

Shell

 mm

Heat transfer

jacket
 Half pipes
 dished end profil
 lencil profile

Number of connections profile size heat transfer area m²

inner spiral coils
 inner tube bundle

inner mäander-coil
 single
 double

Number of connections heat transfer area m²

Agitator

Typ manufacturer power kW

steady bearing
 baffles
 dimensions mm

Nozzels

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Remarks