

CUSTOMER :
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PROJECT(NR.) :
E-MAIL :

Information needed for calculating the pillowplates for a tank:

- 1) Tank diameter :
- 2) Tank cylindrical height :
- 3) Bottom type (for instance conical or formed) :
- 4) Wall thickness of the tank wall (thick plate) :
- 5) Wall thickness of the pillowplate (thin plate) :
- 6) Material tank wall material type :
- 7) Pillowplate material type :
- 8) Cooling/heating medium (water, glycol, steam, oil) :
- 9) Design temperature of the pillowplate :
- 10) Design pressure of the pillowplate :

Information needed to calculate heat transfer surface:

- 1) Product in the tank :
- 2) Specific heat of the product :
- 3) Specific weight :
- 4) Viscosity :
(or equal to for example water, thin oil ,thick oil, something else))
- 5) Start temperature of the product (°C) :
- 6) End temperature of the product (°C) :
- 7) Inlet temperature of cooling/heating medium :
- 8) Outlet temperature of cooling/heating medium :
- 9) Required cool- or heating time :
- 10) Insulation and thickness of insulation :
- 11) Inside or outside placing of the tank :
- 12) Ambient temperature (°C) :
- 13) Agitator, yes or no (how much kW) :

Remark:

Advice for steam application: minimal 4,0+1,25mm and material pillowplate 1.4404 (316L)

Advice for application with thermal oil: same

Advice for application with agitator: agitator will double the heat transfer

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