Form for Dimensioning of your Heat Exchangers

1. Sender

Customer code: _____ Date: _____

Company: _____

Name: _____

Street: _____

State / Town / Postcode: ___ _____ _____

Telephone: _____

eMail: _____

2. Treatment - Liquid to be tempered

For the selection of the suitable material please send us the technical data sheet and the safety data sheet of the process liquid.

Process liquid:

Chemical composition:

pH-value:

Chemical entrainment: ◯ yes ◯ No

if yes, Type: _____

3. Tank

Material: _____

Side thickness tank (mm): _____

Insulation: ◯ Yes ◯ No

Insulation material: _____

Side thickness insulation material (mm): _____

Ambient temperature (°C): _____

Required heating up time (h): _____

Working temperature process liquid (°C): _____

Place of installation: ◯ indoors ◯ outside

Fume extraction (m/s) ◯ Yes _____ ◯ No

Lid (%) ◯ Yes: _____ ◯ No

Tank dimensions in mm (clear values):

Lenght: _____ Widht: _____ Height: _____

Diameter: _____ Height: _____

Liquid level (mm): _____ min: _____ max: _____

4. Material to be treated

Material:

Weight per hour (kg/h):

Start temperature (°C):

5. Mounting possibilities heat exchanger

Assembly in tank:

◯ Long side ◯ Narrow side ◯ Bottom

◯ Both long sides ◯ Both narrow sides

Available space in mm (clear values):

Lenght: _____ Height: _____ Depth: _____

6. Operating data heat exchanger

Desired heating up power of the heat exchanger (kW):

Desired operation power of the heat exchanger (kW):

Heat exchanger medium:

◯ Water ◯ Water/Glykol ◯ Heat transfer oil ◯ Steam

◯ Other: _____

Flow temp. (inlet/supply): _____

Min. flow temp. (outlet/return): _____

Operating pressure PS (bar): _____

Material of the heat exchangers:

Stainless steel: ◯ 1.4301 /AISI 304 ◯ 1.4404 /AISI 316 L

◯ 1.4571 /AISI 316 Ti ◯ 1.4539/AISI 904L

◯ Polymer heat exchanger ◯ Titanium 3.7035 / grade 2

◯ Stainless steel 1.4301 with polymer coating

7. For cooling applications

Desired cooling power of the exchanger (kW):

Exothermic heat:

Temperature increase from ____ °C to ____ °C in ____ h

Rectifier power for the respective process:

Voltage (V, DC): _____ Current (A): _____

Efficiency of the electrolyte (%): _____

Duty-cycle of the plating voltage (h): _____

Quantity of rectifiers: _____

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MAZURCZAK
Heat Exchanger SYNOTHERM

Schlachthofstraße 3
D-91126 Schwabach

Phone +49 / 9122 / 98 55 - 0
Fax +49 / 9122 / 98 55 - 99

rotkappe.de
kontakt@mazurczak.de