# 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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