

# Form for dimensioning your Heat Exchangers SYNOTHERM® for a complete line

## 1. Customer

## 2. Treatment

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

Position: \_\_\_\_\_

Process: \_\_\_\_\_

## 3. Data tank/Process

Ambient temperature (°C): \_\_\_\_\_

Material tank: \_\_\_\_\_

Length (mm): \_\_\_\_\_

Width (mm): \_\_\_\_\_

Height (mm): \_\_\_\_\_

Side thickness tank (mm): \_\_\_\_\_

Liquid level min. – max. (mm): \_\_\_\_\_

Volume (l): \_\_\_\_\_

Material Insulation: \_\_\_\_\_

Thickness Insulation (mm): \_\_\_\_\_

Working temperature process liquid (°C): \_\_\_\_\_

Required heating up time (h): \_\_\_\_\_

Fume extraction (yes/no): \_\_\_\_\_

Lid (yes - in %/no): \_\_\_\_\_

### Rectifier

Quantity: \_\_\_\_\_

Voltage (V): \_\_\_\_\_

Current (A): \_\_\_\_\_

## 4. Troughput material

Material: \_\_\_\_\_

Weight per hour (kg/h): \_\_\_\_\_

Start temperature (°C): \_\_\_\_\_

## 5. Data Heat Exchanger

### Heat Exchanger medium:

Type/composition: \_\_\_\_\_ Pressure (bar): \_\_\_\_\_ Inlet temperature (°C): \_\_\_\_\_

### Available space

Length (mm): \_\_\_\_\_

Width (mm): \_\_\_\_\_

Height (mm): \_\_\_\_\_

Material Heat Exchanger: \_\_\_\_\_

Heating-/cooling-power(kW): \_\_\_\_\_

Maintaining power (kW): \_\_\_\_\_

## 6. Others

Material electrical heaters: \_\_\_\_\_

Power of the current elect. heaters (kW): \_\_\_\_\_

