



Fax: 410-392-4357
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Data for Calculation of Heat Requirements (simplified)

General Information:

Rectangular container Inner dimensions

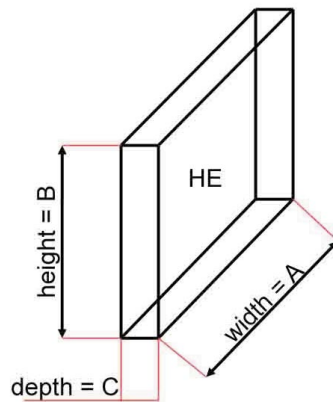
A (width) _____ in. _____ mm

B (height) _____ in. _____ mm

C (depth) _____ in. _____ mm

Medium level _____ in. _____ mm

max. fitting dimensions
 for heat exchanger



A (width) _____ in. _____ mm

B (height) _____ in. _____ mm

C (depth) _____ in. _____ mm

Medium level _____ in. _____ mm

Circular Container Inner dimensions

Inner Diameter _____ in. _____ mm

Height _____ in. _____ mm

Medium level _____ in. _____ mm

max. fitting dimensions for heat exchanger

Outer diameter of heat exchanger = inner
 diameter of container

_____ in. _____ mm

The entire inner surface of container can
 be used.

_____ yes _____ no

If no, please indicate min. inner diameter
 of heat exchanger

_____ in. _____ mm

Agitator

_____ yes _____ no

Medium Composition

Designation _____

Chemical formula _____

Special characteristics, such as high density or specific heat capacity (different from water) _____ yes _____ no

If yes, please specify _____

I. Heating

1. Heating-up phase

Bath volume _____ l

Initial temperature _____ °F _____ °C

Target temperature _____ °F _____ °C

Time to heat up max. _____ mins.

Heat source: _____ steam _____ water other _____

Inlet temperature of heat source min. _____ °F _____ °C

Pressure _____ PSI _____ bar

2. Process Phase

Material throughput _____ steel other _____

Inlet temperature of material min. _____ °F _____ °C

Material throughput per hour max. _____ lbs./hr.

Target temperature _____ °F _____ °C

Inlet temperature of heating medium min. _____ °F _____ °C

II. Cooling

Target temperature _____°F _____°C

Cooling medium _____water _____other _____

Inlet temperature of cooling medium max. _____°F _____°C

Rectifier output 100% capacity utilization

Voltage: _____ V

Power: _____ A

Maximum rating you require _____ %

If these data are not known, please give the following indications:

Exothermic Heat

By how many degrees does the temperature rise per hour during the process if no cooling is carried out. _____°F _____°C

Target temperature _____°F _____°C

Bath volume _____qts. _____ l

Inlet temperature of cooling medium max. _____°F _____°C

III. Customer's information

___ Plant Construction

___ Resale

___ Galvanic

___ Other

Remarks: _____

Drawings:

Company: _____

Contact: _____

Street/POB: _____

Town: _____

Phone: _____

Fax: _____

E-mail: _____