



## Refrigeration Calculation

In order to perform a refrigeration calculation for a Brazed Plate Heat Exchanger, we need the following information.

Compressor Brand: \_\_\_\_\_ Model: \_\_\_\_\_

Compressor displacement: \_\_\_\_\_ m<sup>3</sup>/h

### Evaporator

Brine: \_\_\_\_\_ Temp in: \_\_\_\_\_ °C Temp out: \_\_\_\_\_ °C

Brine Concentration: \_\_\_\_\_ %

Refrigerant: \_\_\_\_\_ Evaporation temperature: \_\_\_\_\_ °C

Flow rate (water/brine): \_\_\_\_\_ m<sup>3</sup>/h

Pressure drop (max. permitted): Brine side: \_\_\_\_\_ kPa

Capacity: \_\_\_\_\_ kW

### Condensor

Fluid: \_\_\_\_\_ Temp in: \_\_\_\_\_ °C Temp out: \_\_\_\_\_ °C

Fluid concentration: \_\_\_\_\_ %

Refrigerant: \_\_\_\_\_ Condensing temperature: \_\_\_\_\_ °C

Flow rate (water/brine): \_\_\_\_\_ m<sup>3</sup>/h

Pressure drop (max. permitted): Water side: \_\_\_\_\_ kPa

Capacity: \_\_\_\_\_ kW