

# Design questionnaire

## FRANK WET water heat exchanger

### Project information

Date: \_\_\_\_\_

Company: \_\_\_\_\_

Contact data/person: \_\_\_\_\_

Project name/place: \_\_\_\_\_

### Information for design

Required source power in kW (heating): \_\_\_\_\_

Required source power in kW (cooling): \_\_\_\_\_

Heat pump manufacturer/model: \_\_\_\_\_

Heat output heat pump in kW: \_\_\_\_\_ COP: \_\_\_\_\_

Volume flow (brine side) in l/s: \_\_\_\_\_

Planned heat transfer medium temperature in °C (heating): Forward: \_\_\_\_\_ Return: \_\_\_\_\_

Planned. Heat transfer medium temperature in °C (cooling): Forward: \_\_\_\_\_ Return: \_\_\_\_\_

Heat transfer medium and concentration: \_\_\_\_\_

Information on the water body:  standing  fluently \_\_\_\_\_ m/s

Min. water depth in m: \_\_\_\_\_

Min. water temperature in °C: \_\_\_\_\_

Max. water temperature in °C: \_\_\_\_\_

Distance FRANK WET to chamber manifold in m: \_\_\_\_\_

Distance chamber manifold to heat pump in m: \_\_\_\_\_

Planned diameter of connecting pipe (da) in mm: \_\_\_\_\_

### Important notes:

Include appropriate system design information if more than one heat pump is to be used.

If possible, please add literature on heat pump equipment(s) as well as design information and project plans and/or photographs.