



**SONDEX®**

## ▶ SL222 Copper Brazed Plate Heat Exchangers

### Recommended Applications

The compact "brazed" plate heat exchanger is designed with focus on the refrigeration area, air conditioning, the HVAC area, solar heating, oil units, heat recovery, engine cooling and other industrial tasks.

### Design Principle

The Sondex type SL222 "brazed" heat exchanger contains a plate pack and will cover many duties up to 120 m<sup>3</sup>/h (528 gpm) in a single pass solution where all 4 connections are on the front side. This means easy pipe and service work.

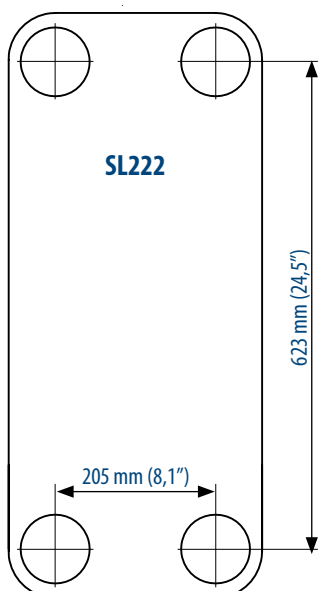
Sondex brazed plate heat exchanger consists of a number of thin, acid-resistant plates, precision stamped and assembled as a unit, each alternate plate being rotated 180°.

The plate pack, assembled with two end plates and connections, is vacuum brazed at extremely high temperatures providing a permanently sealed heat exchanger. The final result is a strong and compact plate heat exchanger with extremely high heat transmissions. The high heat transmission comes from the main pattern which is designed to create a turbulent flow.

### Data Required for Correct Quotation:

- Duty
- Type of media
- Pressure loss
- Flow rate
- Working pressure
- Thermodynamic properties
- Temperature
- Working Temperature
- Product concentration by inlet and outlet

Above data determines the choice of heat exchanger.



### Technical Information

#### Standard Materials:

- Flow plates and connections: AISI 316
- End plates: AISI 304, AISI 316
- Brazing material: pure copper

#### Design Pressure:

- Design pressure: 25 Bar (362 PSI)

#### Design Temperature:

- Design temperature: +100 to 185°C  
(+148 to 365°F)

#### Construction Standard:

According to pressure equipment PED 2014/68/EU.

#### Connections:

- Flanges DN80, PN16/PN25 Bar
- AISI 316, for parts in contact with the liquid

#### Additional Equipment:

- Insulation jacket
- Floor mounting feet
- Counter flanges in carbon steel or stainless steel