



**SONDEX®**

## ▶ SAW7 All-Welded Plate Heat Exchangers

### Recommended Applications:

The compact welded plate heat exchanger is designed with the focus on the refrigeration area, chemical industries, oil units, heat recovery, engine cooling and other industrial tasks.

### Design Principle

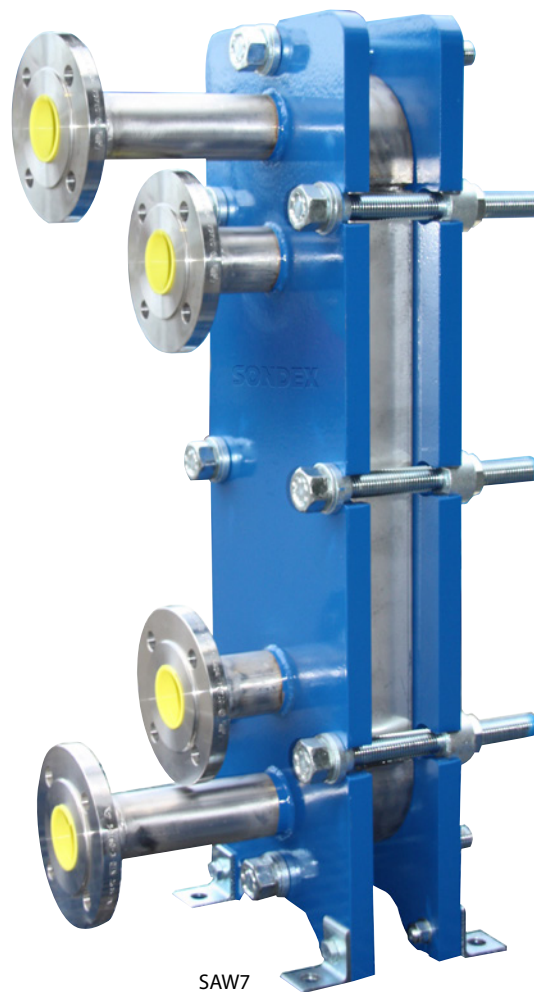
The Sondex type SAW7 all-welded heat exchanger contains a plate pack and will cover many duties up to 50 m<sup>3</sup>/h (220 gpm) in a single pass solution where all 4 connections are on the front side. This means easy pipe- and service work.

The welded plate heat exchanger is assembled with a welded plate pack between two standard flanges. The final result is a strong and compact heat exchanger with high heat transmission.

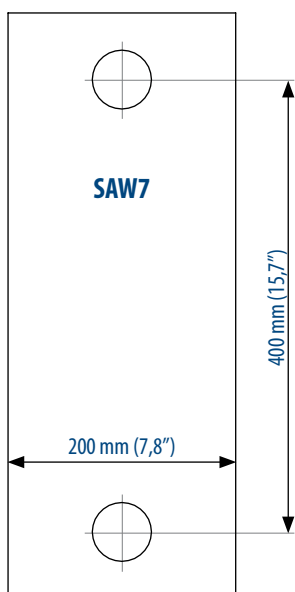
### Data Required for Correct Quotation:

- Duty
- Type of media
- Pressure loss
- Flow rate
- Working pressure
- Thermodynamic properties
- Temperature
- Working Temperature

Above data determines the choice of heat exchanger.



SAW7



### Technical Information

#### Frame:

- Painted frame, colour RAL 5010 from  $\pm 10^{\circ}\text{C}$  to  $120^{\circ}\text{C}$  ( $\pm 14$  to  $240^{\circ}\text{F}$ ) (available in other colours).
  - Painted frame, colour TEKNOHEAT 1180 (Silicone paint) from  $180^{\circ}\text{C}$  ( $356^{\circ}\text{F}$ ) and up.
- The frame comes with clamping bolts placed around the frame edge.

#### Standard Materials:

- Flow plates and connections in stainless steel

#### Design pressure:

The unit is designed for max.: 10, 16 and 25 Bar. (145, 232 and 362,5 PSI)

#### Design temperature:

The unit is designed for max.:  $\pm 10$  to  $400^{\circ}\text{C}$  ( $\pm 14$  to  $752^{\circ}\text{F}$ )

#### Construction Standard:

- EN13445 (PED 2014/68/EU)

#### Connections:

- 1 1/4" thread ISO7 BSP/NPT
  - DN40 flange in stainless steel
- According to all known standards.

#### Plate Material:

AISI 316 and SMO. Other materials available on request.

#### Extra Equipment:

- Insulating jacket
- Foundation feet for frame

For exact dimensions of the PHE please refer to the dimension drawing