



# Sondex „SEMI-WELDED” plate heat exchanger

## Advantages and applications:

Usefull for high temperature and high pressure applications as well as for chemical applications for which the product is too aggressive for using plate heat exchangers with rubber gaskets or brazed plate heat exchangers.

- The plate pack is built up in »plate cassettes« (2 plates welded together) and can easily be disassembled and cleaned on the secondary side, which is equipped with rubber gaskets.
- The welding of the »plate cassettes« takes place outside the gasket groove. This practically eliminates the risc of corrosion attack beneath the gasket in the plate groove.
- The plate cassettes are designed for optimum gasket sealing. Higher pressure improves the sealing of gaskets.
- Ultimate use of the available plate area in heat transmission. By welding outside the gasket grooves an increasing part of the plate area will be available for optimum effective heat transmission.
- The »plate cassettes« comply fully with US 3A sanitary standard on the product side (gasket side). The plates can extensively be usefull in a lot of food applications.



**Technical data:**

**Frame: design:**

Mild steel blue industrial painted.

Effective area per plate: 0,40 m<sup>2</sup>.

**Nozzles:**

Rubber lined (not for PN 25)

Carbon steel

Metal lined: Stainless steel

Titanium

**Plate material:**

0,5 - 0,6 - 0,7 mm AISI 316/titanium/SMO/Hasteloy C

**Working pressure:**

IS: PN16/25

IG: PN 6/10

**Gaskets:**

NITRILE - EPDM - VITON - NEOPREN - HYPALON

**Connections:**

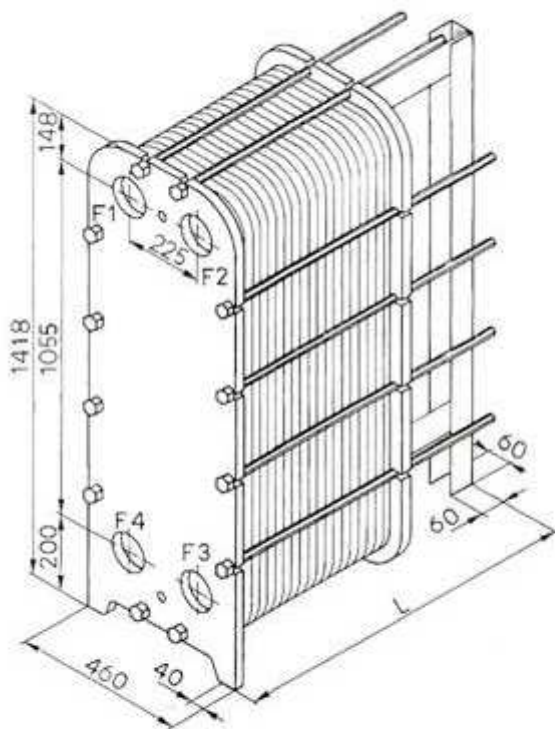
IG - DIN 2501 - PN 6/10 - Size 100 mm

IS - DIN 2501 - PN 16/25 - Size 100 mm

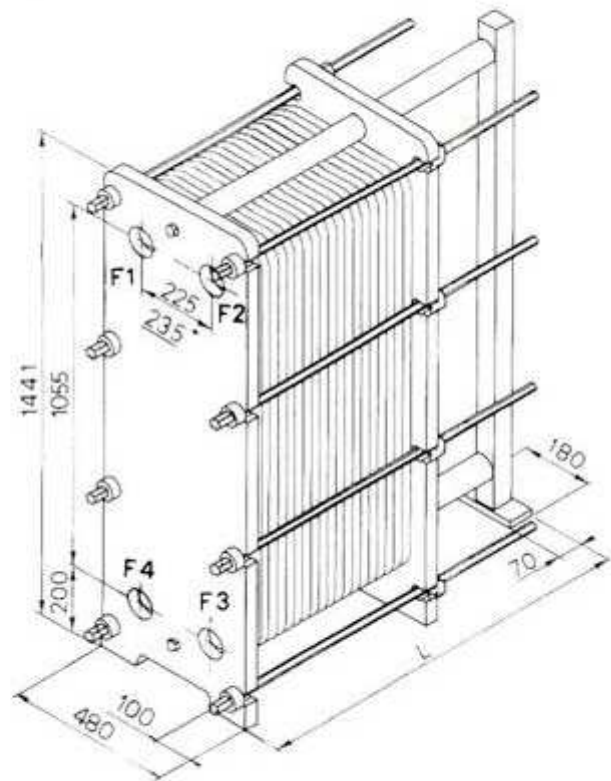
**Flow rate:**

Max. 55 kg/s

Max. heat transfer surface: 200 m<sup>2</sup>



**SW 40-IG**



**SW 40-IS**

\* Only PN 25



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