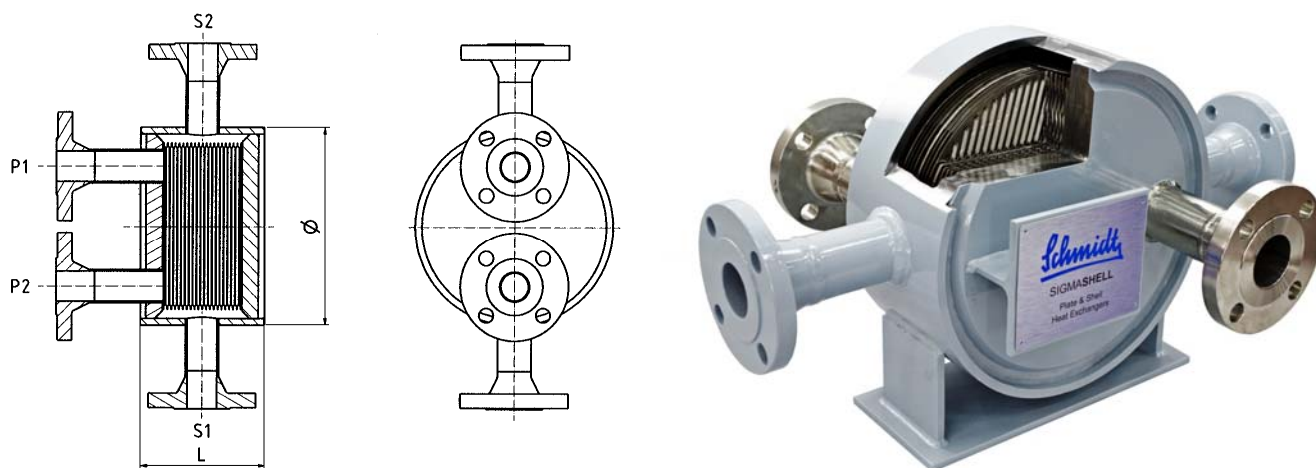


Schmidt



SIGMA**SHELL**
ALL-WELDED
PLATE HEAT
EXCHANGER

API Heat Transfer
PERFORMANCE IS EVERYTHING



| SIGMASHELL | SP 3 | SP 5 | SP 7 | SP 9 | SP 12 |
|--------------|-------------------------------------------------------------|-------------|-------------|-------------|-------------|
| S1, S2 | DN 20 – 100 | DN 25 - 250 | DN 50 - 350 | DN 50 - 450 | DN 50 – 600 |
| P1, P2 | DN 50 | DN 100 | DN 150 | DN 200 | DN 300 |
| Ø [mm] | 360 | 610 | 890 | 1.100 | 1.400 |
| L [mm] | from 150 (dependent on number of plates and pressure range) | | | | up to 2.400 |
| Surface [m²] | 1,5 to 30 | up to 100 | up to 320 | up to 500 | up to 700 |

- Laser-welded plate heat exchanger for thermal treatment of liquids, vapour and gas.
- Heat transfer surface up to 700 m² per unit.
- Applicable in all industrial sectors like chemical & petrochemical industry, pharmaceutical industry, renewable energies, bio energy, power generation, pulp & paper, steel mills and coking plants.
- Limitation of use:
 - Operating pressure from vakuum up to 150 barg
 - Operating temperature from -200°C up to 550°C
 - Viscosities up to 8.000 mPas
- Available in all current plate materials.
- Shell construction: all welded or accessible to one or two sides.
- Multi-pass possible for shell and plate side.
- Calculation can be done for counter-current flow, co-current flow and cross flow.
- Fishbone corrugation pattern for high and low heat transfer characteristics.

10/2013