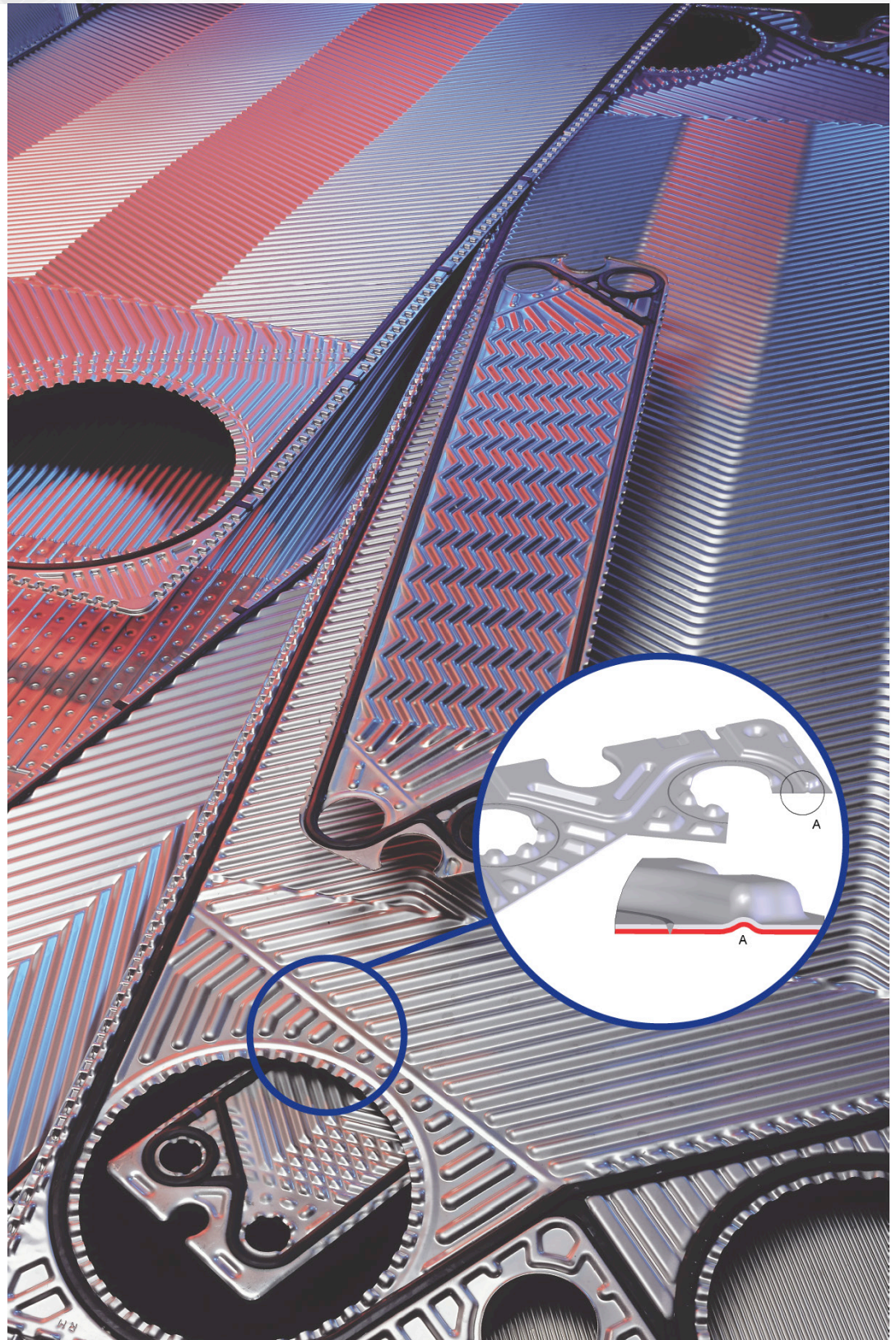


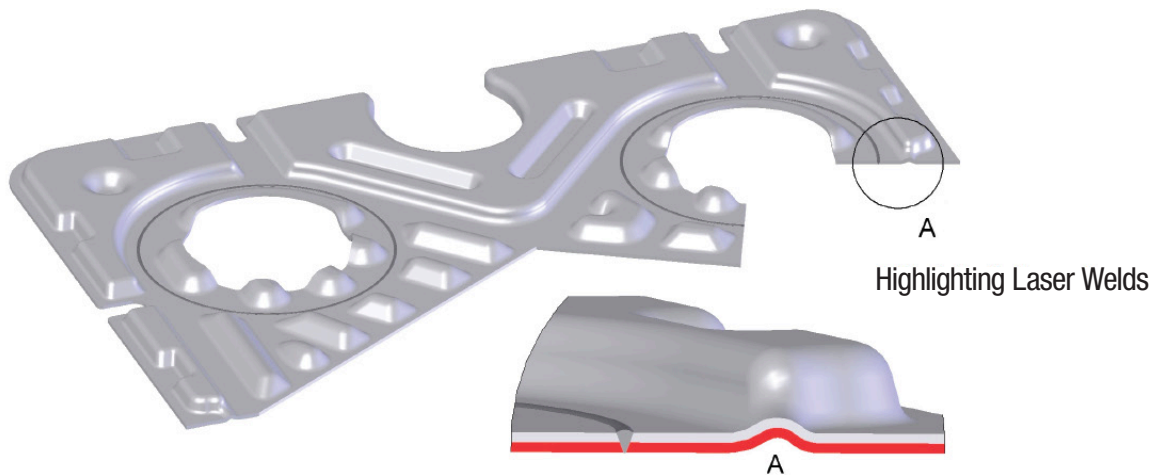
Schmidt

AN API HEAT TRANSFER COMPANY



SIGMATWIN Double-Wall Plate Heat Exchanger

SIGMATWIN Double-Wall Plate Heat Exchanger



Construction and Functional Concept

- The SIGMATWIN Double-Wall Plate is designed to provide enhanced security from cross contamination.
- Instead of a single SIGMA plate, we apply a SIGMATWIN Double-Wall Plate, which has been laser welded together.
- Laser welding seals the gap only in the section of the four port holes.
- In case of plate crack, the leakage first escapes into the gap between the two plates and then to the outsides thus ensuring that contamination between the two fluids is avoided.
- SIGMA Plate Heat Exchangers equipped with SIGMATWIN double-wall plates can be opened like standard plate heat exchangers for inspection or maintenance purposes.

Typical Applications

- Chemical industry (secondary circuits, safety systems, reactor coolant systems).
- Pharmaceutical industry (buffer tanks, infusion and injection solutions).
- Oil cooling (compressors, hydraulic systems, turbine cooling).
- Ultrapure water applications (the semiconductor industry).
- Food and beverage industry (edible oil, mineral water, dairy, potable water).

Technical Specifications

- Available in various SIGMA models.
- Capable of flow rates up to 1,410 GPM (320 m³/hr).
- SIGMATWIN double-wall plates come in thicknesses of either 2 x 0.3 mm or 2 x 0.4 mm.
- Plate materials include 316L stainless and others.
- Elastomer gaskets include NBR, EPDM, Viton and Teflon.

MANUFACTURING FACILITY | 2777 Walden Avenue | Buffalo, NY 14225 USA | +1.716.684.6700 | sales@apiheattransfer.com
| Langenmorgen 4 | 75015 Bretten, Germany
| 156 Qingqiu Street | Suzhou Industrial Park | Suzhou, Jiangsu 215126, China

GLOBAL MANUFACTURING LOCATIONS: **USA:** New York: Buffalo; Wisconsin: Franklin, Iron Ridge and Racine
Germany: Bretten and Dortmund | **China:** Shanghai and Suzhou

