



Shell & Tube Heat Exchangers

PRE-ENGINEERED SERIES: SSCF

Standard **X**change
a xylem brand

DETAILS

- Compact design with shell diameters 2" to 8", standard tube lengths 8" to 72" with custom tube lengths to 144".
- Available in 1, 2 & 4 tube side pass configurations.
- Same day, three-day, or five-day Quick Ship Program available.
- ASME Code options available.
- Flanged connection options available.

EXCHANGER TYPE:

Straight Tube
Fixed Tubesheet

ADVANTAGES:

Less costly than removable bundle exchangers.

Provides maximum heat transfer surface area per given shell and tube size.

Easily interchangeable with designs of various manufacturers.

Flanged lip baffles ensure close tolerance, high efficiency and additional tube support.

Enlarged bundle entrance area of hub/tubesheet design lowers entrance velocity and pressure loss.

Tube side can be steam or mechanically cleaned.

Only tube side fluids exposed to gaskets.

No packed joints.

LIMITATIONS:

No provision for differential expansion of tubes and shell.

Shell side may not be mechanically cleaned.

SSCF



MATERIALS

SHELL	Stainless Steel 316
TUBES	Stainless Steel 316 with option for Copper, 90/10 or 70/30 CuNi Tube Diameter Options: 1/4", 3/8", and 5/8"
HUBS	Cast Stainless Steel 316
BONNETS	Cast Stainless Steel 316 with Cast Iron and Cast Bronze options
FEET & BOLTING	Carbon Steel with Stainless option

SSCF/SSCF-C STANDARD DESIGN CAPABILITIES

	DESIGN PRESSURE	DESIGN TEMPERATURE
Tube Side	150 psi 10.5 kg/cm ²	450°F 232°C
Shell Side	225 psi 15.8 kg/cm ²	450°F 232°C