xylem
Let's Solve Water

Shell & Tube Heat Exchangers

PRE-ENGINEERED SERIES: BCF/HCF/HFF

Southgate Process Equipment, Inc.

Standard Xchange
a xylem brand

Southgate Process Equipment, Inc.
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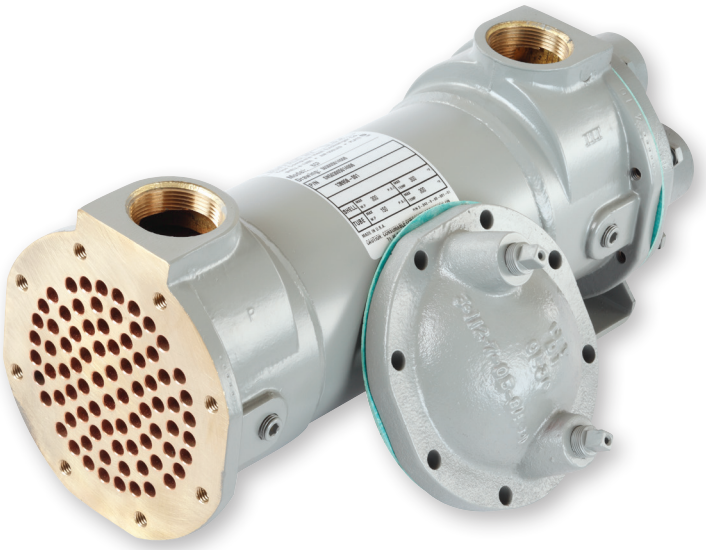
BCF/HCF/HFF



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.
- Expediting options are available please contact us for more information (770) 345-0010.

MATERIALS

SHELL	Brass
TUBES	Copper with option for 90/10 or 70/30 CuNi Tube Diameter Options: 1/4", 3/8", and 5/8"
HUBS	Brass with optional SAE four bolts connections
BONNETS	Cast Iron with option for Cast Bronze
FEET & BOLTING	Carbon Steel

BCF/HCF/HFF STANDARD DESIGN CAPABILITIES

	DESIGN PRESSURE	DESIGN TEMPERATURE
Tube Side	150 psi 10.5 kg/cm^2	300°F 148.9°C
Shell Side	300 psi 21.1 kg/cm^2	300°F 148.9°C

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.

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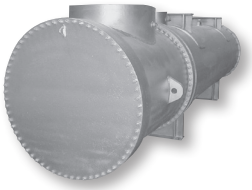
Models of Efficiency



CENTURY SERIES®

Engineered/ customized heat exchangers for process and other heating/cooling applications.

BRAZEPAK®

Brazed plate heat exchanger.

PLATEFLOW®

Gasketed plate & frame heat exchanger.

AIREX® AND FANEX®

Air/oil, air/air, or air/water heat exchangers.

PRE-ENGINEERED SERIES

BCF®/SSCF®/ SX2000®/B300® Pre-engineered shell and tube heat exchanger.

Xylem |ˈzīləm|

1) The tissue in plants that brings water upward from the roots;
2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

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