



Shell & Tube Heat Exchangers

PRE-ENGINEERED SERIES: B300 / SX2000U

Southgate
Process Equipment, Inc.

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Standard **X**change
a xylem brand

DETAILS

- SX2000U utilizes compact 3/8" OD tubes for compact selections. Pre-engineered units 4" thru 12" shell diameters.
- B300 utilizes larger 3/4" OD tubes to handle wide range of fluids. Shell diameters from 4" to 30" OD.
- Available in 2, 4 or 6 pass arrangements to optimize performance requirements.
- ASME Section VIII Div. 1 "U" Stamp as standard.

EXCHANGER TYPE:

U-Tube

Removable Floating Bundle

ADVANTAGES:

Allows for differential thermal expansion between shell and tubes as well as between individual tubes.

Capable of withstanding thermal shock.

All welded rugged carbon steel shell side construction provides maximum durability.

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

Easily interchangeable with designs of various manufacturers.

LIMITATIONS:

Individual tube replacement not always possible.

Cannot be made single-pass on tube side, so true counter current flow not possible.

Tube side can be cleaned by chemical means only.

SX2000U/B300



MATERIALS

SHELL	Fabricated Carbon Steel with Stainless options
TUBES SHEETS	Fabricated Carbon Steel with Stainless, 90/10 CuNi and Brass options
TUBES	Copper with option for Stainless Steel, 90/10 or 70/30 CuNi
BONNETS	Cast Iron with Cast Stainless Steel 316 and Cast Bronze options
FEET & BOLTING	Carbon Steel

SX2000U/B300

STANDARD DESIGN CAPABILITIES

	DESIGN PRESSURE	DESIGN TEMPERATURE
Tube Side	4" thru 8" Dia.-150 10" Dia. and up-150 psi (10.5 kg/cm ²)	375°F 190.6°C
Shell Side	150 psi 10.5 kg/cm ²	375°F 190.6°C

Models of Efficiency



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Pre-engineered
shell and tube
heat exchanger.

Xylem |'zīləm|

- 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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