



Shell & Tube Heat Exchangers

PRE-ENGINEERED SERIES: B300S

B300S

DETAILS

- 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.



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

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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