Heat Exchanger

Double Wall or Single Wall Tube Bundles

Features

- Optimized design for best heat transfer performance in steam, water and HTW exchanger type heaters
- Wide variety of models to suit your specific need:
  - Single wall or double wall tube bundle
  - 150, 250, 300, or 400 psig working pressure design
  - Copper, cupro-nickel (90/10), or stainless steel tubing
  - Coil sizes from 5" up to 18" on selected models
  - Carbon steel or stainless steel tubesheet and cap

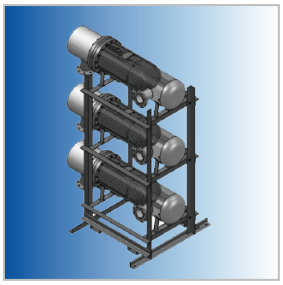
Standard Equipment

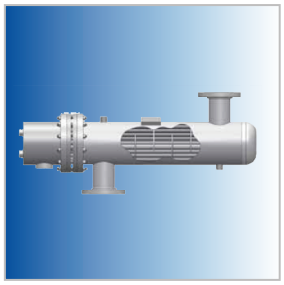
Shell

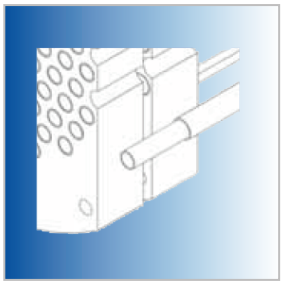
- ASME Section VIII Div I vessel
- National Board registered
- 150 psig design working pressure
- Horizontal, carbon steel construction

Tube Bundle

- 150 psig design working pressure
- SB-75 seamless copper U-tube
- Single wall tubing
- Steel cap and tubesheet







- ***Double wall leak detection***
- ***U-Tube removable bundle***
- ***Water or steam application***

The Ace Series double-wall is the most positive form of double tube wall construction available, with no sacrifi ce in water heater effi ciency or performance over a single tube wall heater. Ace heat exchangers perform dependably and quietly, offering a variety of water heating solutions. Quality U-tube bundles provide uniform heat transfer, resulting in high thermal efficiency and long exchanger life. Available in single and double wall construction. Bundles available in copper, cupro-nickel 90/10, and stainless steel.

Heat Exchanger and Tube Bundles

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Ace Heat Exchanger and Tube Bundles

Standard Equipment

Shell

- ASME Section VIII Div I vessel
- National Board registered
- 150 psig design working pressure
- Horizontal, carbon steel construction

Tube Bundle

- 150 psig design working pressure
- SB-75 seamless copper U-tube
- Single wall tubing
- Steel cap and tubesheet

Optional Equipment

Shell

- 250 psig working pressure design
- 304 or 316 stainless steel shell

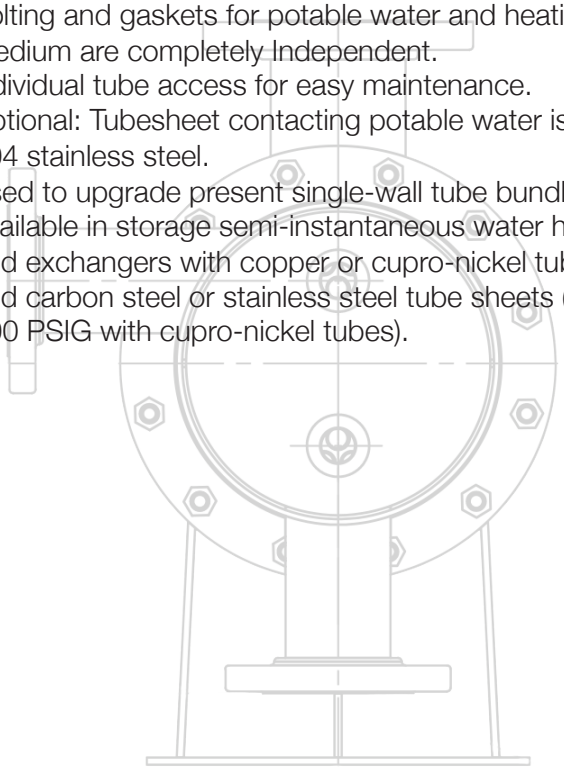
Tube Bundle

- 250, 300 or 400 psig working pressure design
- HTW applications
- 0.049" wall copper, cupro-nickel (90/10), 304, or 316L tubes
- Double wall tubing
- 304 stainless steel tube sheet and cap flange

Double Wall Tube Bundle

Meets Uniform Plumbing Code requirements for heating potable water. Prevents cross-contamination.

- Easy Inspections and low maintenance.
- Fully visible, 360° vented leak detection between tubesheets.
- Bolting and gaskets for potable water and heating medium are completely Independent.
- Individual tube access for easy maintenance.
- Optional: Tubesheet contacting potable water is solid 304 stainless steel.
- Used to upgrade present single-wall tube bundles.
- Available in storage semi-instantaneous water heaters and exchangers with copper or cupro-nickel tubes and carbon steel or stainless steel tube sheets (Up to 400 PSIG with cupro-nickel tubes).



Applications

Heat exchangers can be used in a wide variety of applications. Some of the most common applications are as follows:

1. To heat domestic water for washing, cooking, etc.
2. As boosters to heat water to higher temperatures for special uses such as sanitizing wash water, boiler feed water heaters, etc.
3. To heat process water for anodizing, filing processing, and a wide variety of commercial, industrial and petro-chemical applications where hot water or steam is required.
4. Waste heat recovery units can extract heat from hot waste, was or process water before it is dumped.
5. Cool condensate water; recover and use the heat to preheat boiler makeup water or domestic water.
6. Heating glycol for snow melting applications or to protect water tanks from freezing conditions.
7. To heat water for hydronic and radiation heating applications.