The Ace Series double-wall is the most positive form of double tube wall construction available, with no sacrifice in water heater efficiency 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.
Ace Heat Exchanger and Tube Bundles

**Optional Equipment**

**Shell**
- 250, 300 or 400 psig working pressure design
- 304 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. **Tested and certified by the City of Los Angeles Testing Laboratory.**

- 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.