Shell & Tube
Heat Exchanger

We manufacture Shell & Tube type Heat Exchanger in a wide variety of sizes & materials. Rapid Cool is a complete facility to design (Thermal and Mechanical) and manufacture complete range of Shell and Tube Heat Exchanger for cooling, condensing and heating application.

The Shell & Tube Type Heat Exchanger from Rapid Cool is designed to provide high-efficiency heat transfer for various industrial applications. Built with durable materials and precision engineering, it ensures optimal performance in cooling and heating processes. With a robust design and superior thermal efficiency, it is the ideal choice for industries requiring reliable heat exchange solutions.

Working Principle

The heat exchanger consists of a series of tubes enclosed within a cylindrical shell. One fluid flows through the tubes, while the other circulates around them within the shell, enabling efficient heat transfer between the two. This design ensures effective temperature regulation, making it suitable for demanding operational conditions.

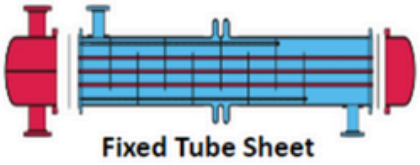
Key Features

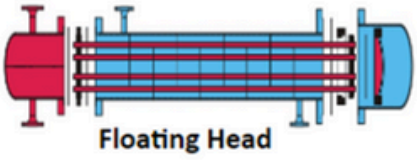
High Thermal Efficiency – Optimized design for maximum heat exchange
Durable Construction – Built with corrosion-resistant materials for extended service life
Customizable Configurations – Available in various sizes, materials, and tube arrangements
Easy Maintenance & Cleaning – Designed for easy access and servicing
Pressure & Temperature Resilience – Capable of handling high-pressure and high-temperature applications
Leak-Proof Design – Ensures safety and operational reliability

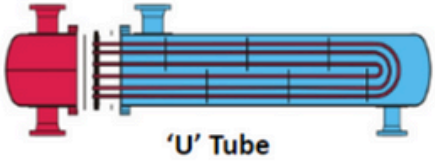
Technical Specifications

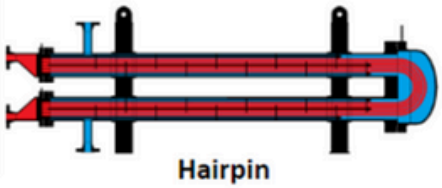
- **Tube Material:** Copper, SS304, SS316, Titanium (as per requirement)
- **Shell Material:** Carbon Steel, Stainless Steel
- **Tube Diameter:** 6mm – 50mm (customizable)
- **Tube Arrangement:** Straight, U-tube, Fixed, Floating head
- **Pressure Rating:** Up to 25 bar (depending on design)
- **Temperature Range:** -40°C to 400°C
- **Cooling Medium:** Water, Oil, Air, Refrigerants, Steam
- NON IBR

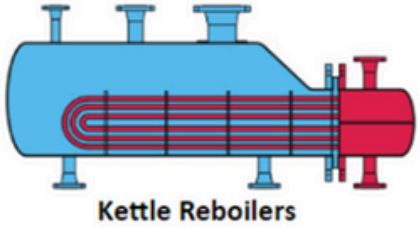
rapid cool

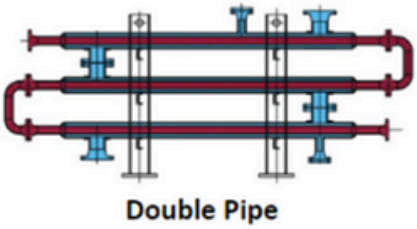












Applications

HVAC & Refrigeration Systems
Power Plants
Oil & Gas Industry
Chemical & Petrochemical Processing
Food & Beverage Processing
Marine & Automotive Industries

Advantages

- **High-Quality Engineering:** Manufactured using advanced technology for superior performance
- **Cost-Effective Solutions:** Designed for long-term operational efficiency and reduced energy consumption
- **Industry-Specific Customization:** Tailored solutions to meet specific industrial needs
- **Reliable Performance:** Tested for pressure, leakage, and thermal efficiency before dispatch

Web :- rapidcool.co.in

Address :- B-151, Block B, Mayapuri Industrial Area Phase I, Mayapuri, New Delhi, 110064
E-Mail ID :- info@rapidcool.co.in, sales@rapidcool.co.in
Phone No. :- +91-9971998827, +91-9971998830, +91-9278366455