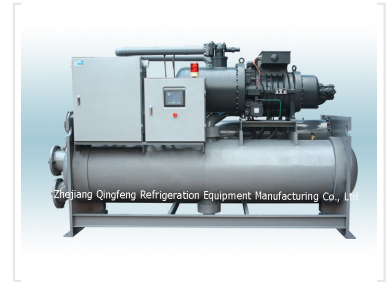


Shell and Tube Dry Style Chiller for Surface Treatment

This industrial chiller is designed with a shell and tube heat exchanger for efficient heat transfer. It is suitable for cooling processes in chemical and industrial settings.



Overview

Industrial Shell and Tube Dry Style Chiller

This advanced dry style chiller is engineered specifically for surface treatment applications, utilizing high-efficiency flooded anti-corrosion evaporators. By employing a direct cooling method, the system eliminates the need for external plate heat exchangers and water pumps, resulting in operational energy savings of at least 37%. The unit ensures consistent process quality through specialized thermal management, keeping oxidized frozen liquid at an average temperature with high precision.

Performance

Efficiency Metrics

6.4

Coefficient of Performance (COP)

37 %

Energy Savings

Operating Conditions

- Energy consumption zero at ambient temperatures below 12°C
- Free hot water supply up to 55°C
- Temperature control precision within 2°C
- Direct cooling cycle

Technical Features

System Components

Shell and Tube Heat Exchanger, Anti-corrosion Evaporator, Water Cooling Condenser, Touch Screen Control, Computerized Automation