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Plate and Shell Heat Exchanger

- WCR Plate and shell heat exchangers are designed for cost effective heat transfer performance and lowest life cycle costs.
- The unique bolted version allows quick disassembly of the shell for easy access for cleaning , maintenance, repair or replacement.
- The Plate joint design and welding are rugged and are tested for numerous cyclical conditions. Plate material, absence of gaskets and mechanical/structural design permits its use in many aggressive applications.
- WCR Plate and shell can be configured to meet the needs of almost any process requirement in terms of transfer units, pressure drop, design pressures and temperatures as well as piping requirements.
- The WCR Plate and shell heat exchanger is compact, with low weight providing an extremely small foot print.



APPLICATIONS

- **Oil and Gas Industry**
- TEG interchangers, aminee interchangers, crude/sales oil coolers, overhead condensers
- **Refinery Applications**
- interchangers, condensers, produced water interchangers
- **Pharmaceutical Industry**
- overhead condensers, heaters, coolers
- **Chemical/Petrochemical Industry**
- heaters/coolers, interchangers, condensers
- **Vegetable Oil Deodorization**
- coolers, heaters and interchangers
- **Hot Oil/Thermal Oil Systems**
- **Ammonia and other refrigerant Systems**



SPECIFICATIONS

- Plate Diameters from 7.5" to 39.30"
- Plate side connections from 3/4" to 8"
- Shell side connections from 3/4" to 16"
- Design pressures up to 800 psig
- Design temperatures up to 600° F
- Maximum area up to 2,900 sqft
- Approach temperatures of 2° F
- Available 316L, Titanium, Hastelloy, Avesta 254 SMO, Incoloy 825, Nickel 200, Monel
- Mechanical cleanability on shell side
- Compact design requires little floor space

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