



Pharmaceutical Grade Shell and Tube Heat Exchangers

When Schedule Counts

For over 40 years, Enerquip has been providing both standard and custom high purity shell & tube heat exchangers to our customers. Our reputation for high quality and fast lead-times have earned the trust of many top companies in the pharmaceutical, nutraceutical, fine chemical, biotech, animal health and personal care industries.



Why Choose Enerquip High Purity Exchangers?

- Our qualified engineers assist you with sizing and selecting exchangers for your specific requirements
- High quality construction and sanitary finish
- Perfect choice for cleanability
- 100% drainable design
- Double tube-sheets to protect product from cross- contamination
- Optional electropolishing to minimize corrosion and increase sanitary performance
- Sanitary connections on the process side
- USP Class VI compliant O-rings selected to be compatible with process fluids
- Detailed Documentation Package for your commissioning requirements

Sizes: From 2" to 48" diameters and lengths up to 65 feet

Styles: U-Tube, straight tube, double tube sheet and multi-pass options available

Materials: 304ss, 316Lss, Duplex, AL6XN, Hastelloy, Monel, Inconel, Titanium and others

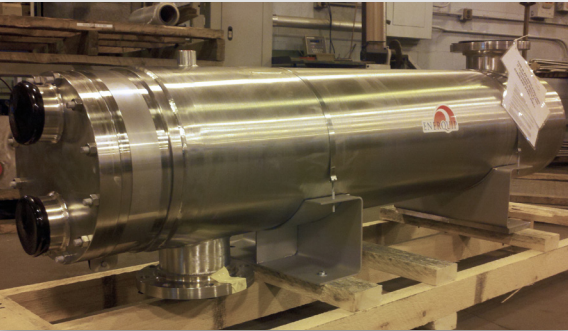
Types: TEMA B, C, & R type exchangers that are ASME code stamped

Lead-times: Our delivery time is typically half that of many competitors

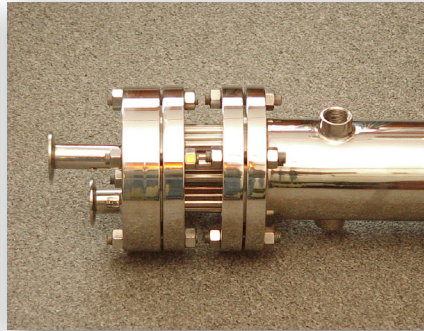


Need something less sanitary? Enerquip has a full line of industrial exchangers for non-product contact & utility applications.

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Insulated and Jacketed Exchanger



Electropolished Exchanger



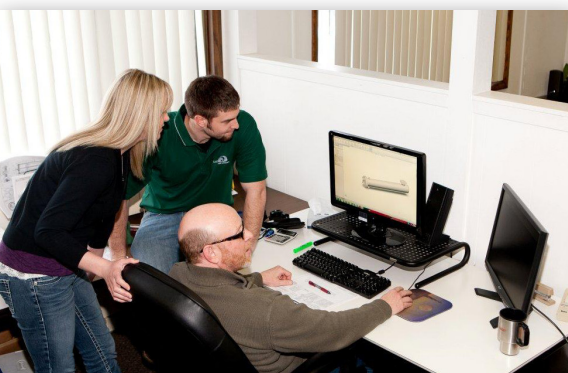
Hastelloy C-22 Exchanger

Customers Who Use Enerquip Exchangers:

- Amgen
- Siemens Healthcare Diagnostics
- Baxter Healthcare
- Colgate Palmolive
- CSL Behring
- 3M Pharmaceuticals
- Eli Lilly & Company
- Bristol-Myers Squibb
- Merck
- Sigma Aldrich Corporation
- Pfizer
- Wyeth Pharmaceutical Inc.
- Procter and Gamble
- Johnson Matthey Pharma Services
- Unilever
- UDPT Laboratories LTD

Typical Processes Using Enerquip Pharmaceutical Exchangers:

- WFI, USP, DI, RO and CIP heating/cooling
- Pure steam generation & condensing
- Blood, plasma, or growth media
- API or formulated pharmaceuticals
- Biokill & waste neutralization
- Point of use cooling/heating



2D and 3D CAD Design



Experienced Engineers



Detailed Documentation Package