

CUSTOM SOLUTIONS

Enerquip can design and build the perfect stainless steel condenser for your application. Our engineers have the expertise, ASME Code & TEMA knowledge, and industry experience to design condensers for even the most challenging application. We can meet your process requirements while working within your size limitations.



SOLVENT RECOVERY CONDENSERS

Whether trying to control emissions or recover valuable solvents, Enerquip can provide a vertical or inclined horizontal condenser to achieve your objectives under vacuum or pressure conditions.

REFLUX CONDENSERS

Reflux condensers are designed to mount directly on a tank or reactor vent flange. Coolant on the shell side cools the tube walls, which causes condensation of the vapor. Vapors rise through the tubes while the condensate drips back down into the tank. Reflux condensers can also be designed as stand-alone condensers mounted vertically or horizontally.



KNOCK-BACK / COLD TRAP CONDENSERS

This condenser style is typically designed with a removable U-tube bundle hanging into the shell. Vapors enter the shell, make contact with the bundle, and condense out at the bottom. These can be designed with an extended shell section to collect the condensate away from the tube bundle.



PHARMACEUTICAL CONDENSERS

Available in single and double tube sheet designs, Enerquip sanitary condensers have polished product contact surfaces and sanitary tri-clamp connections. They are designed to ASME-BPE standards to ensure the purity of the product stream.



TERPENE & OIL CONDENSERS

Enerquip has become a leading provider of condensers to the essential oils and CBD processing industries. Our sanitary design experience and ASME certifications ensure product quality while also certifying that safety requirements are met under the extreme temperature and pressure conditions found in these applications.

OUR SPECIALTIES

- Sizes: Up to 48" diameters (or larger depending on weight)
- Styles: U-tube, straight tube, double tubesheet and multi-pass options available, horizontal or vertical
- Materials: Carbon steel, 304L SS, 316L SS, Duplex, AL6XN, Hastelloy, and more (sanitary SS equipment is manufactured in our carbon-free facility in Medford, WI)
- Types: ASME, TEMA (Class B, C, or R), PED, CRN

OPTIONS AVAILABLE

- Electro-polished tube side surfaces
- Passivation of tube side surfaces
- Sight glasses
- Level gauge ports
- CIP spray ball assemblies
- Condensate collection sumps/chambers



Want more? Enerquip also designs and builds bayonet heaters, process coolers, and more. Learn for yourself why Enerquip's quality and service is unmatched in the industry. Call us, today!