

BTEX Eliminator

A BTEX condenser unit (also known as a BTEX eliminator) removes BTEX fractions from the Dehy still column overhead stream. BTEX is an acronym for benzene, toluene, ethylbenzene, and xylenes. These compounds are some of the most volatile organic compounds found in petroleum derivatives such as petrol. The removal of toluene, ethylbenzene, and xylenes is vital as these compounds are carcinogens and have harmful effects on the environment.

A BTEX condenser unit consists of a still overhead condenser, a liquids tank, and pneumatic or electric pumps to transfer the condensed liquids to storage tanks. Depending on the nature of the still overhead stream the non-condensable vapors may be sent back to the reboiler to be ignited in the stack. If the non-condensable vapors are too rich to burn in the firetube, they may be burned in a flare or incinerator.

Forum offers standard air-cooled BTEX condenser units such as natural draft (A-frame) and forced draft condensers. We also offer shell and tube exchanger units, which use glycol as a cooling medium for cold climate applications. The BTEX units can also be built with enclosures, adding another layer of protection in cold climates



Features

- Engineered and Designed in accordance with ASME Section VIII Div. I & ASME B31.3
- 100% of the products supplied by Forum are manufactured, inspected, tested, and assembled in the USA Compact unit
- User-friendly design with field-crew safety in mind
- Available with pneumatic or electric pumps
- Onsite startup & commissioning are available
- Available with a cold-weather package