

20,000 TPY Ethylene Plant for Sale

Capacity

20,000 tons per year

Process Technology

Original process from Lurgi
Revamped process from Linde

Raw Materials

Naptha, Propane, LPG

Products

Main product: 99.9% ethylene
By products: residual gas, tetralin, light and heavy hydrocarbons

Major Equipment

Naptha / propane furnace
Primary cut column
Oil stripping column
Distillation column
Quench tower
Process water stripping column
Cracking gas compressor
Stripping column
Caustic soda washing column
Condensate stripping column
Dryer
Methanation column
Hydrogen purification cold box
Demethanizer
Methane turbo expander
De-ethanizer
Depropanizer
Propylene conversion column



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BRIEF PLANT DESCRIPTION

The process converts naphtha, propane or LPG into ethylene, propylene, and C4 olefins. The process comprises: pyrolysis (cracking), gas separation, drying, cooling and liquefaction, demethanation, depropanization and fractionation. Raw gases feed three screw compressors in which the necessary pressure is obtained to have circulation of gases through the plant. Caustic soda solution is used to eliminate sour gases contained in the naphtha or propane feed. The plant shut down recently due to overcapacity in local market. The plant underwent mothball procedure and all its equipment is maintained well.