

45,000 TPY Ethylene Oxide Plant for Sale

Capacity: 45,000 TPY
 Upgraded: 1988
 Technology: Shell
 Catalysts: Silver containing (CRI Catalysts)
 Feedstock: Ethylene, Oxygen

Major Equipment (includes):

- EO TUBULAR REACTORS
- ETHYLENE TOWER
- EO ABSORBER
- EO STRIPPER TOWER
- EO PURIFICATION TOWER
- ETHYLENE ABSORBER COLUMN
- DEPROPANIZER TOWER
- BENZENE REMOVAL TOWER
- PROPYLENE RECOVERY TOWER
- DEMETHANIZER COLUMN
- DE-ETHANIZER
- CO2 ABSORBER TOWER
- CO2 STRIPPER TOWER
- ACETALEHYDE COLUMN
- RESIDUAL GAS ABSORBER
- COOLANT SEPARATOR COLUMN



The EO production plant primarily consists of two tubular reactors loaded with a silver-containing catalyst and fractionation equipment for the removal of carbon dioxide and the purification of ethylene oxide. The EO Unit was installed under license from the Shell Development Company for the direct oxidation process. CRI Catalysts supplied the current S-862+ catalyst load, a subsidiary of the Shell Development Company. The ethylene oxide reactors are fed with oxygen from the on-site O₂ Plant, ethylene and recycle gas. EO Unit personnel operate the O₂ Plant.

The EO Plant's major sections include:

- Ethylene Oxide Reactor Section
- Recycle Gas Section
- CO₂ Removal Section
- Ethylene Oxide Purification Section
- Glycol Recovery Section

CONTACT US FOR MORE DETAILS

Phoenix Equipment Corporation
www.phxequip.com
 +1 732 442 6990

Jesse Spector
 Vice President
jesses@phxequip.com

Ed Zhang
 Plant Sales Manager
edz@phxequip.com