

Formaldehyde Plants for Sale

Capacity

Plant A: 32,500 TPY
Plant B: 25,000 TPY
Plant C: 25,000 TPY
Plant D: 35,000 TPY

Products

37% formaldehyde
Maximum concentration: 48%
Urea-Formaldehyde (UFC)

Equipment

Tubular reactors
Evaporator
Air/methanol mixer
Air blower
Degasser
Separator
Absorption column
Methanol Vaporizer
Hot Oil Heater
Feed Effluent Exchanger
Formalin Cooler
Steam Generator
Air Preheater
Hot Oil Drum
Recycle Gas Separator
Methanol Separator
Methanol Feed Pump
Formalin Pump

Available Technical Services

Engineering re-design
Process upgrade
Process Integration
Installation Guidance
Training
Commissioning Supervision
Performance Guarantee

For more information contact -
Edward Zhang, Plant Sales

To discuss plants you are selling -
Jesse Spector

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BRIEF PLANT DESCRIPTION

Phoenix Equipment offers formaldehyde production plants immediately available for purchase. Four (4) plants have capacities of 25,000 TPY, 25,000 TPY, 32,000 TPY and 35,000 TPY, respectively. All these plants use Iron-Mo catalyst and molten salt cooling system. The production process is based on the catalytic oxidation of methanol in presence of an excess of air. The methanol-air mixture is safely kept outside of the explosion limits, diluting it with a partial recycle of the nitrogen rich exhaust gas. In the tubes of the reactor, which are filled with pellets of iron-molybdenum oxide catalyst, the exothermal oxidation reaction takes place, so that the outgoing gas contains almost no methanol. The temperature of the catalyst tubes is maintained constant by the recirculation of molten salts in the shell side of the reactor. The excess heat of the molten salts bath is removed producing steam in boiling water coils. All these plants have capability of producing Urea-Formaldehyde Precondensate (UFC). These plants can be operated independently, or combined together for production at a larger capacity. Also available is full engineering and relocation services including re-design, installation supervision, commissioning guidance and technical training. Process guarantee may be offered.