

60,000 TPY Butadiene Plant for Sale

Capacity: 60,000 TPY

Raw Materials: C₄,
Dimethylformamide

End Product: 1, 3-Butadiene

Downstream Products:
Styrene, Acrylonitrile, ABS, Adiponitrile

Process Information

This process is comprised of two distillation sections and one rectification section

Major Equipment

- 2 Extractive Distillation Columns
- 2 Stripping Columns
- 2 Fractionator Columns
- Reflux Tanks
- Condensate Tanks
- Heat Exchangers
- Reboilers
- Condensers
- De-gasers
- Compressors & Blowers

Applications

- Synthetic rubbers
- Automobile tires
- Nylons



BRIEF PLANT DESCRIPTION

The plant processes the C₄ fraction through an initial extractive distillation using dimethylformamide (DMF), by separating the butylenes and butanes from the butadiene and acetylenics. With a second extractive distillation it separates the vinyl acetylene, and finally, through a rectification process, it separates the methyl acetylene and the heavy hydrocarbons from the 1,3-butadiene (butadiene).

These three main sections are combined with others using vessels to purify the solvent and to additivate the processing of various chemicals from a condensation water circuit, from a tower water circuit and from a flare and draining header.

The produced butadiene has a minimum title of 99.6%. A recovery of 98% in weight is expected in the project conditions compared to the inflowing butadiene with C₄ fraction.

For more information contact -
Edward Zhang, Plant Sales
plants@phxequip.com
+1 732.520.2187 (Direct Dial)
+1 845.242.3378 (Mobile)

To discuss plants you are selling -
Jesse Spector
plants@phxequip.com
+1 732.709.7157 (Direct Dial)
+1 908.902.8854 (Mobile)