

## 425,000 TPY Aromatics Plants for Sale

### Capacity:

Benzene: 425 000 t/year  
 HDT 100 unit: 42 t/h  
 HDT 1100 unit: 30 t/h  
 DISTAPEX unit: 33 t/h or 23 t/h  
 (benzene)  
 HDTA unit: 22 t/h

### Product:

Benzene, C5, C6 raffinate, aromatic hydrocarbons C8 - C11, flushing oil C11 - C14

### Raw Materials:

- Gasoline (raw, heavy, light)
- C6 / TX cut

**Year Built:** 1974

### Major Equipment:

- Hydro stabilisation reactors
- Depentanizer
- TX separative distillation column
- Dopes separative distillation column
- Furnace
- Dehexanizer
- Hydrodesulfuration reactors
- Stabilisation column
- Extractive distillation columns
- Compressor
- Hydrodealkylation reactor
- Benzene column
- Toluene column
- Absorption benzene column



### BRIEF PLANT DESCRIPTION

The purpose of this aromatics plant is to produce and clean the benzene from gasoline supplied by the steam cracker and the unit of resins, and to produce C5 cut, C6 raffinate, dopes (mixture of aromatic hydrocarbons from C8 to C11) and flushing oil (mixture of aromatic hydrocarbons from C11 to C14). Raw materials are gasoline (raw, heavy, light, aromatic) and C6/TX cut. The plant includes several process units: (A) Raw gasoline hydrostabilisation and separation by distillation of several components (HDT 100 and HDT 1100 units); (B) Transformation of the toluene and the xylene contained in the TX cut in benzene by hydrodesulfuration and hydrodealkylation (HDTA unit); (C) Extraction of the benzene contained in the C6 cut (DISTAPEX unit); (D) Unit of compression of the hydrogen. The unit is controlled through a "digital system of control command". The digital regulation is configured and programmed for the specific applications.

### For more information contact -

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