

Nitric Acid Concentration Plant for Sale

Capacity

Approximately 70 tons per day

Product

Nitric acid up to 99.4%

Feedstock

Nitric acid 55% - 69%

Major Equipment

Absorption Column
Nitric Acid Pre-condenser
Nitric Acid Condenser
Quench Cooler
Separator Surge Tank
Bleacher
Nitric Acid Absorber
Waste Sulfuric Acid Tank
Distillate Receiver
Sulfuric Acid Concentrator
Sulfuric Acid Flash Chamber
Separator Storage Tank
NOx Separator
Absorber Compressor
Product Cooler



BRIEF PLANT DESCRIPTION

The plant contains two process sections: nitric acid concentration and sulfuric acid concentration. The NAC takes fresh nitric acid and recycled acid mixtures to generate concentrated nitric acid up to 99.4% purity. The NA column is an extractive distillation using SA as the extractant. Two streams, fresh nitric acid and sulfuric acid, come to the NA column. Concentrated nitric acid flows from the top of the column, and waste sulfuric acid from the bottom and then concentrated in the SAC section and returned to the NA column.

CONTACT US FOR MORE DETAILS

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

Jesse Spector
plants@phxequip.com

Edward Zhang
Plant Sales Director
plants@phxequip.com