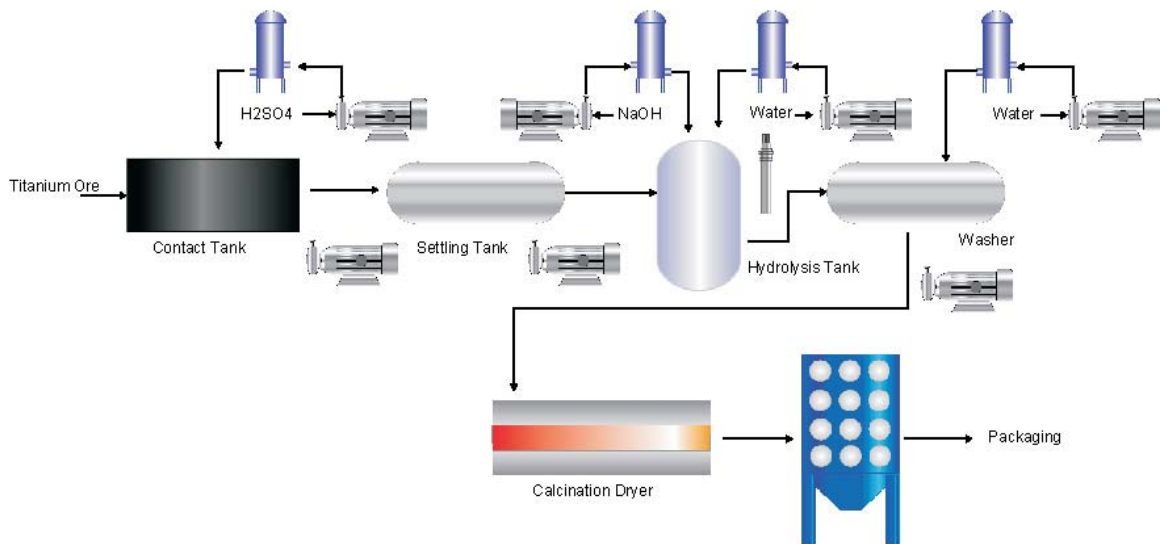


CLASSIC

FILTER & EQUIPMENT LTD

TITANIUM DIOXIDE SULFATE PROCESS



PRODUCTS



Filter Vessel



Centrifugal pump



Dust Collector



Sensor

PROCESS DESCRIPTION

Ore is soaked in sulfuric acid to extract titanium. In a settling tank, impurities are removed leaving titanium sulfate. Through hydrolysis at elevated temperature in alkali, hydrated titanium dioxide is produced. The precipitate is filtered and washed to remove any trace impurities that can affect the brightness of the pigment produced. The hydrate paste undergoes a high temperature calcination stage that yields the solid white product. From there the product is packaged.



Filters are used throughout the manufacturing process. Sulfuric Acid, Caustic and water should be filtered before addition to the various stages of production. This will eliminate any impurities that could adversely impact reaction processes and, thereby, affect final product quality. Classic Filter and Equipment offers a wide range of filtration products that can provide a solution for these applications.



Pumps are used throughout the manufacturing process to move raw materials and finished product from one stage of the process to the next. At Classic Filter and Equipment, we offer centrifugal and AODD style pumps to meet your pumping needs.



Dust Collectors are used in the packaging area to remove product dust and other airborne particulate from the air. This helps protect plant personnel in these areas and, also, keeps these contaminants from contaminating work areas and other equipment. Classic Filter and Equipment can provide either cartridge or bag style dust collectors to remove these contaminants.



Sensors are used in the manufacturing process to monitor and control pH of the various chemicals in the process. Classic Filter and Equipment offers pH sensors that are well suited for the rigorous requirements of this application. We can, also, provide sensor housings that will help protect the sensors.

CLASSIC FILTER AND EQUIPMENT, LTD.

P.O. Box 16486, Fort Worth, TX 76162-0486

Phone: 817-886-0008 Fax: 817-230-4198

www.classicfilterandequipment.com