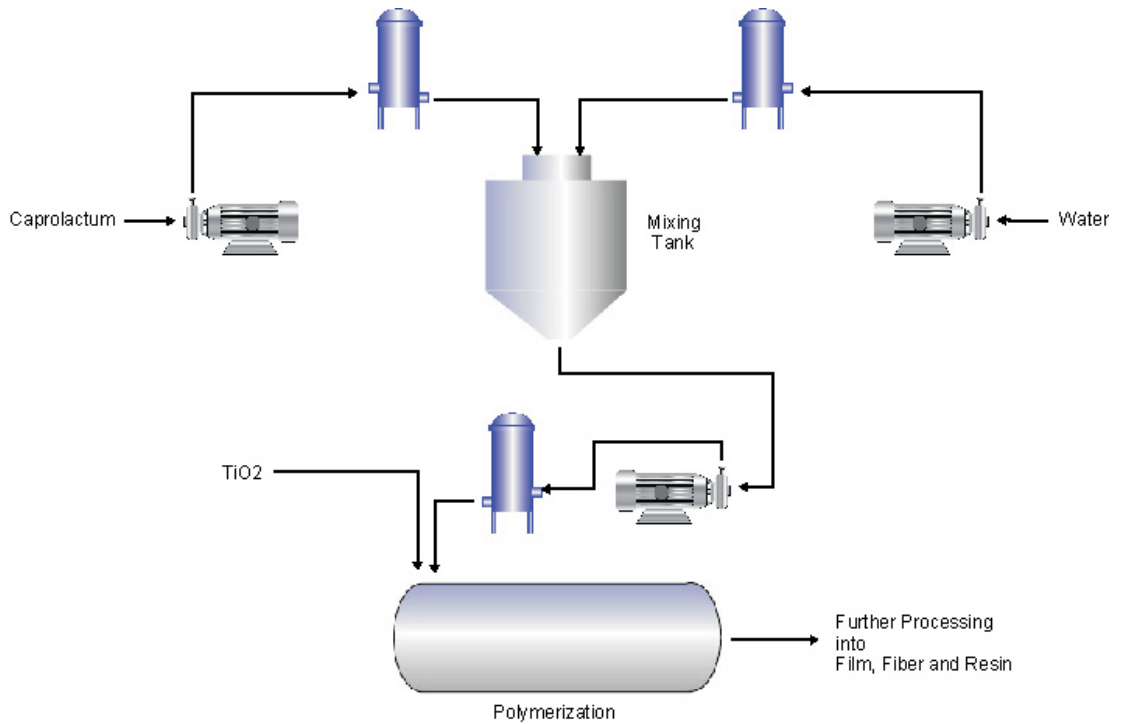





CLASSIC

FILTER & EQUIPMENT LTD

NYLON 6 (H2O)



PRODUCTS

-  Filter Vessel
-  Centrifugal pump
-  Sensor

PROCESS DESCRIPTION

Producing Nylon 6 from Caprolactum and water is a chain-growth or polyaddition process. The two are mixed together in a mixing tank. In this process the presence of water initiates a sequence that allows Caprolactum to polymerize in a separate polymerization tank. It then goes on for further processing into film, fiber or resin.



Caprolactum and water feed stocks should be filtered prior to mixing to remove contaminants. Clean raw materials allow for a more efficient and complete reaction prior to the polymerization phase. Classic Filter and Equipment can provide the right filter to make this process as efficient as possible.



After the mixing process and prior to the Polymerization, the solution takes the form of salts. These salts have a tendency to agglomerate and form large crystals. Classic Filter and Equipment can recommend a filter to remove these large agglomerations to insure a better reaction and condensation of the material



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.



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.

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