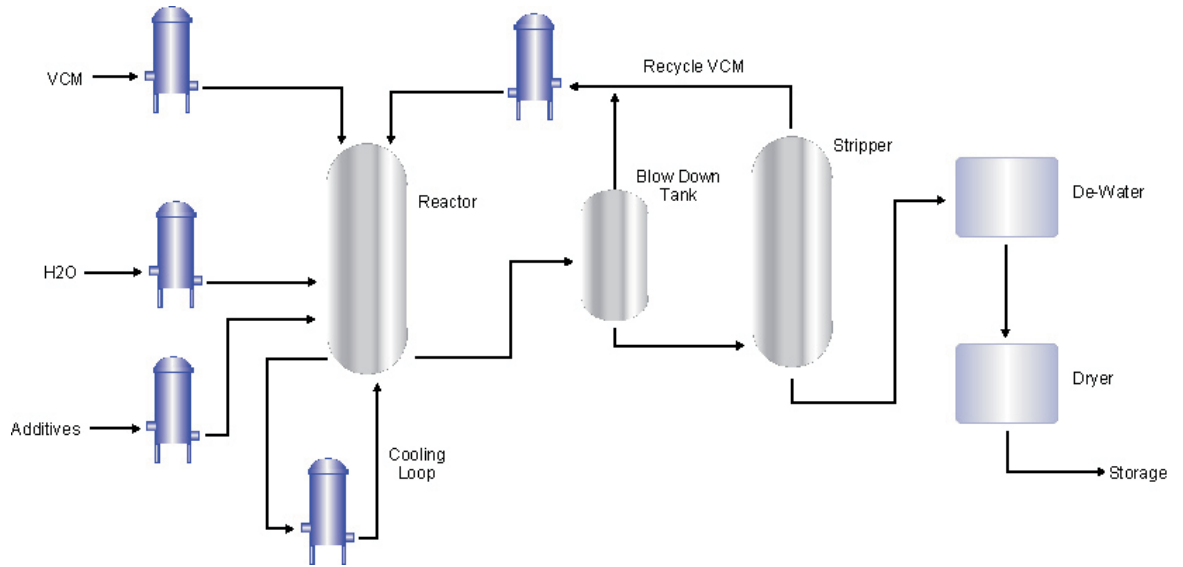





# CLASSIC

FILTER & EQUIPMENT LTD

## PVC (SUSPENSION)



### PRODUCTS

-  Filter Vessel
-  Centrifugal pump
-  Sensor

### PROCESS DESCRIPTION

PVC is produced in batch polymerization by combining VCM, water and additives in a heated reactor. Once the reaction is completed, the PVC and water suspension is sent to the Blow-Down unit where un-reacted VCM is removed. This un-reacted VCM is captured in the recycle loop back to the polymerization reactor. After Blow-Down, the slurry is further stripped to remove residual VCM. From the stripper, the slurry is de-watered, dried and sent to storage.



VCM, Recycle VCM, Water and Additives should be filtered prior to introduction into the reaction process. Poor quality VCM will lead to poor reaction kinetics and poor quality PVC Slurry. Classic Filter recommends depth style filters for the VCM. Water and Additives can be filtered with depth or pleated style filters. Let us show you the proper filter for each application.



The polymerization reaction produces a great deal of heat. This temperature must be controlled in order to maintain process performance at a high level. Classic Filter and Equipment can recommend the right filter for your application.



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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