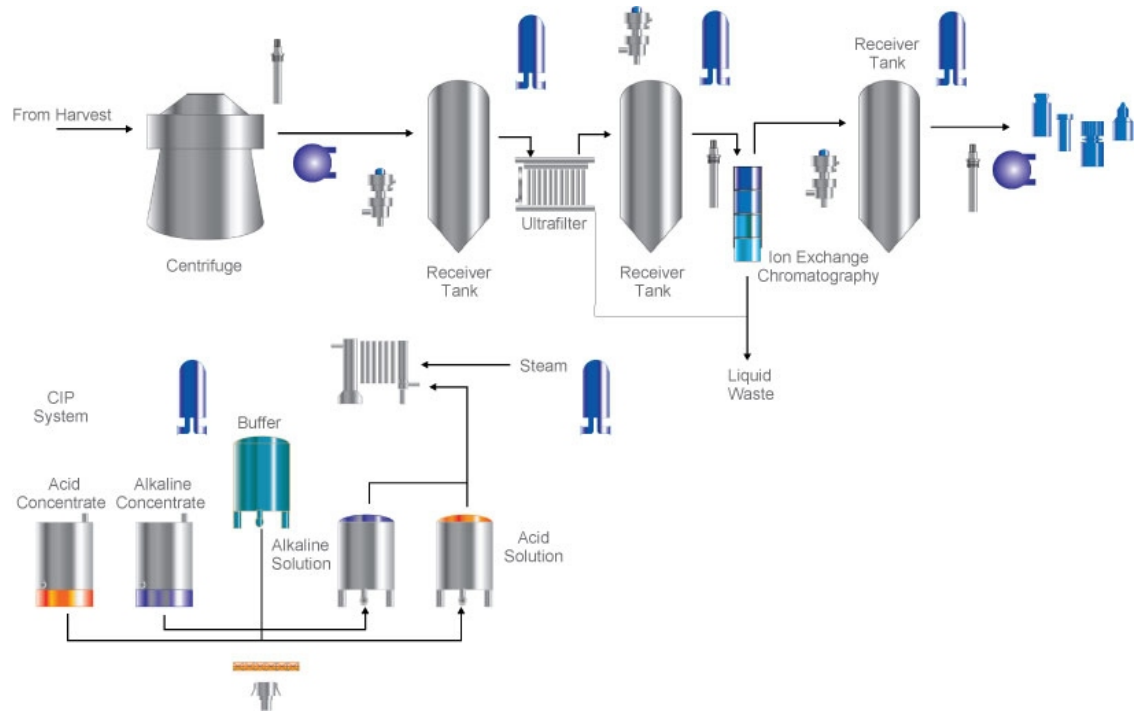


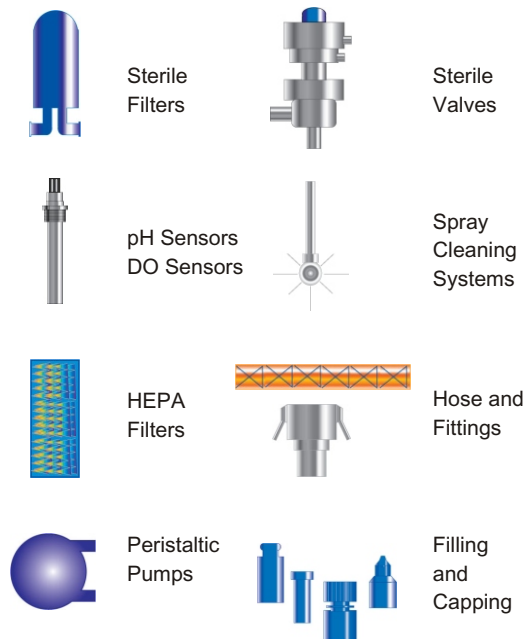
# CLASSIC

FILTER & EQUIPMENT LTD

## DOWNSTREAM PROCESS



### PRODUCT KEY



### APPLICATION

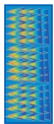
In the downstream phase of the production process all contaminants are removed prior to packaging the final product for market.



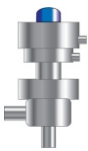
Filters are used in the Downstream Processes to purify liquids and gases. You will Find them in Tank Ventilation, Ultrafiltration and CIP systems. Classic Filter and Equipment can provide all of your filtration needs.



Sensors are used in several areas in the Downstream Process. In the centrifuge, they are used to monitor Dissolved Oxygen for degassing control. Conductivity Sensors are used at the Ion Exchange Chromatography step for quality and phase control. At the same area, pH sensors are used for quality control. Final product quality is measured with a pH sensor.



HEPA filters are used in labs, fill suites, and manufacturing areas to remove airborne contaminants. Classic Filter and Equipment offers Flanders Corporation HEPA style filters for all of these applications.



Tuchenhagen Vesta Sterile Valves are used throughout the media preparation to regulate the movement of fluids through the process piping and tanks. Vesta valves offer many advantages compared to diaphragm style valves including longer on-stream life and ease-of-maintenance.



Spray cleaning systems are used in process tanks for CIP. Tuchenhagen offers a wide range of spray devices to fit most tank cleaning applications. Let Classic Filter and Equipment review your application to recommend the best spray cleaning solution for your process.



Hose and tubing are used throughout the manufacturing process. Common uses are for CIP and product transfer. Classic Filter and Equipment offers the highest quality hose and tubing products for these applications. We, also, offer many great hose identification and tracking solutions to help in the audit process.



Peristaltic pumps to move product from one stage to the next in Downstream process. Peristaltic pumps are ideal for this application because they are gentle on the product, do not contact the product, and exhibit versatility in pumping speeds. Classic Filter and Equipment offers Watson-Marlow Peristaltic pumps.



Flexicon is well known throughout the Bio-pharmaceutical Industry for high quality and highly flexible filling and capping equipment for small to intermediate applications. Let Classic Filter and Equipment show you how Flexicon can help you to meet your production requirements.

**CLASSIC FILTER AND EQUIPMENT, LTD.**

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