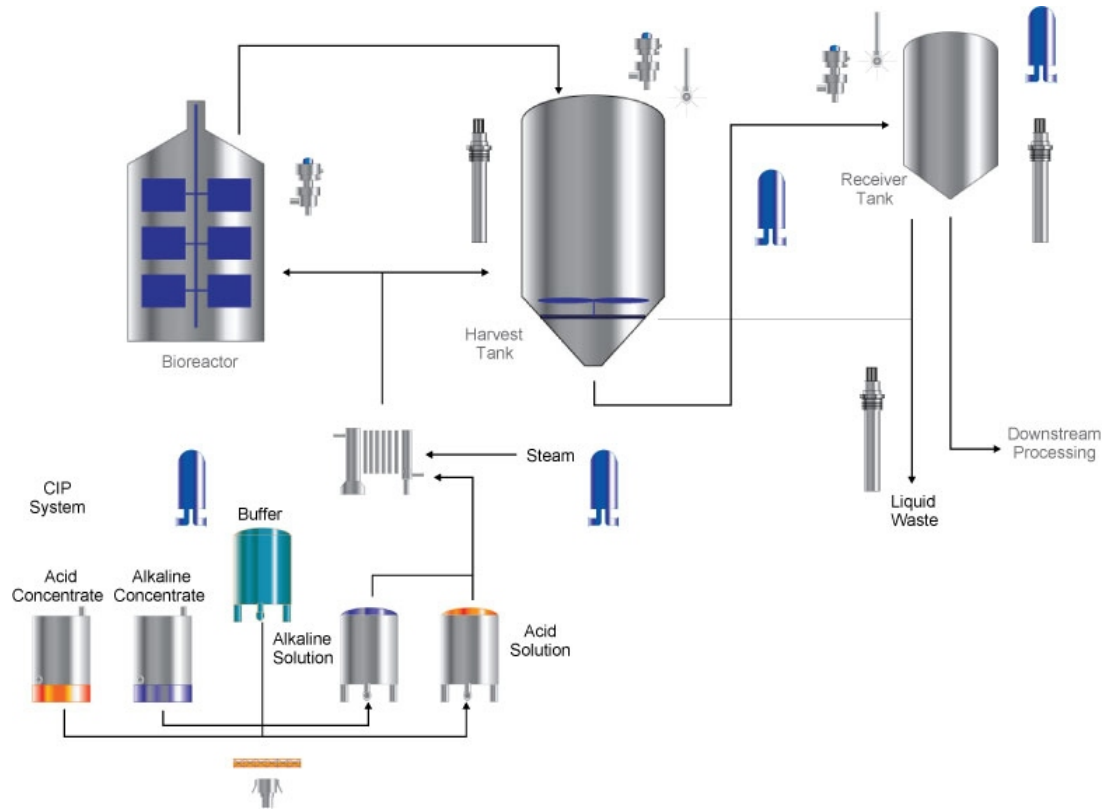


# CLASSIC

FILTER & EQUIPMENT LTD

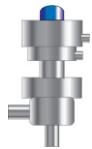
## PRODUCT HARVEST



### PRODUCT KEY



Sterile Filters



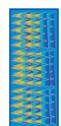
Sterile Valves



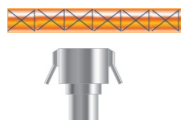
pH Sensors  
DO Sensors



Spray  
Cleaning  
Systems



HEPA  
Filters



Hose and  
Fittings

### APPLICATION

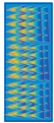
The raw product from the Bioreactor is transferred to the Harvest Tank. In this area the raw product is staged and then filtered prior to moving to the packaging area.



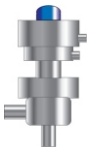
Filters are used in the Bioreactor phase to purify liquids and gases. You will Find them in Tank Ventilation, Product Transfer and CIP systems. Classic Filter and Equipment can provide all of your filtration needs.



Sensors are used in Harvesting Phase to measure the quality of the finished product. Conductivity and pH Sensors are used in CIP to maintain the proper ranges for the CIP liquids.



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 Reactor Phase 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.

**CLASSIC FILTER AND EQUIPMENT, LTD.**

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