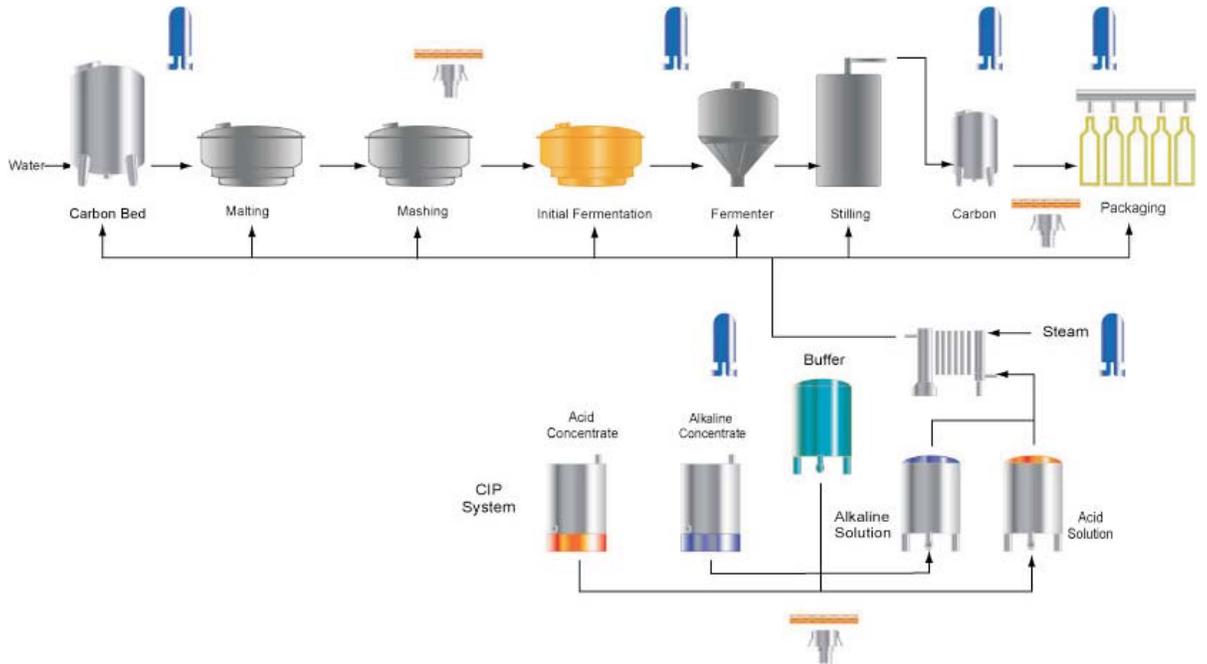


# CLASSIC

FILTER & EQUIPMENT LTD

## DISTILLED LIQUOR



### PRODUCT KEY



Sterile Filter



Flexible Hose



Fitting

### APPLICATION

Distilled spirits are created by cooking various types of grains in water to convert grain starches to sugars. This sugar is then mixed with yeast and converted to alcohol in a fermenter. The fermented liquid is then distilled to purify the liquid and concentrate the alcohol to an acceptable level. This distilled product is then redistilled to add flavorings. The final distilled product is mixed with water to obtain the proper alcohol content for bottling.



Carbon beds are prone to bleeding carbon fines into intermediate product. Classic Filter and Equipment recommends placement of carbon “trap” filters with pleated polypropylene filter elements in the  $0.5\mu$  to  $2\mu$  range.



Fermentation tanks should be properly vented to maintain clean and sterile air. Classic recommends  $0.2\mu$  PTFE membrane filters for this application.



All final product should be filtered before packaging and bottling to insure biological stability. Classic Filter and Equipment recommends a  $1\mu$  pleated pre-filter followed by a  $0.45\mu$  membrane final filter.



All CIP agents should be purified to remove any contaminants that might compromise the maintenance of a sanitary system. Classic recommends a  $1\mu$  pre-filter followed by a  $0.45\mu$  micron membrane to keep this system within sanitary specifications.



Any steam utilized as heat exchange medium should be cleaned and purified to remove any liquid or particulate contaminants. This will prevent these contaminants from building up on exchange surfaces and will properly maintain the efficiency of heat exchange surfaces.



There are a myriad of applications for flexible hose and fittings within the Distilled Liquor application. Classic offers a complete line of hose and fitting products for the most demanding sanitary applications.

**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](http://www.classicfilterandequipment.com)