

## Distill Plant

It is designed and built for distillery usage. which can achieve about 96% A.B.V. to produce neutral spirit and Vodka easily. Also the still is equipped with copper helmet, gin basket. That can also use it to produce low degree A.B.V., such as gin, whiskey, brandy, rum etc.

### - Still Pot -

jacketed tank which can be heated by steam or electrical. Also can be equipped with agitator as optional and with the necessary accessory fittings.

### - Helmet/goose Neck -

It is an expansion chamber sitting on the top of the still pot. Vapor gas goes through a comparatively narrow channel, then goes into a big space of helmet. This process causes a sudden reduction of pressure, can make the high boiling temperature compound back to still pot, but the essential will be vapor out. This is very important for making alcohol with excellent taste.

### - Reflux Column -

Reflux column: the bubble cap plates trays are used

for reflux continuous distilling in order to get higher concentration of alcohol.

### - Dephlegmator -

The dephlegmator is the key to the whole still, without the deflegmator, it' s very difficult to create reflux. This unit allows the cool water to condense your alcohol vapor as it passes through the multiple internal cooling tubes, allowing it to fall back to your column. Then the bubble cap plates can do their job which allows you to purify your ethanol to very high purity. It has inlet and outlet of cooling water.

### - Gin Basket -

The gin basket is for loading the spicy that produce flavor spirit that people like.

### - Condenser -

The vapor passing through the cooling tubes gets in touch with the cold water and exchange heat with each other. Then the vapor is condensed to liquid spirit.

