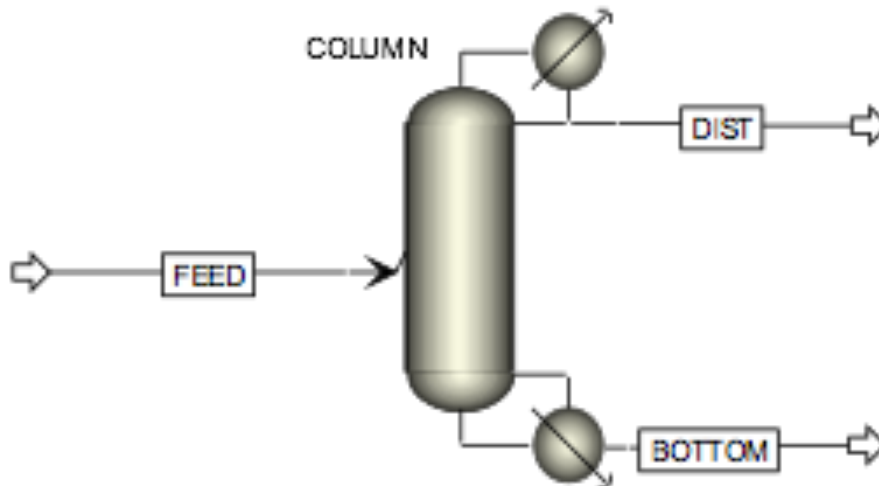


**Description -  
Methanol-Isopropyl Alcohol (IPA)-Water Separation System  
Process Flow Diagram**



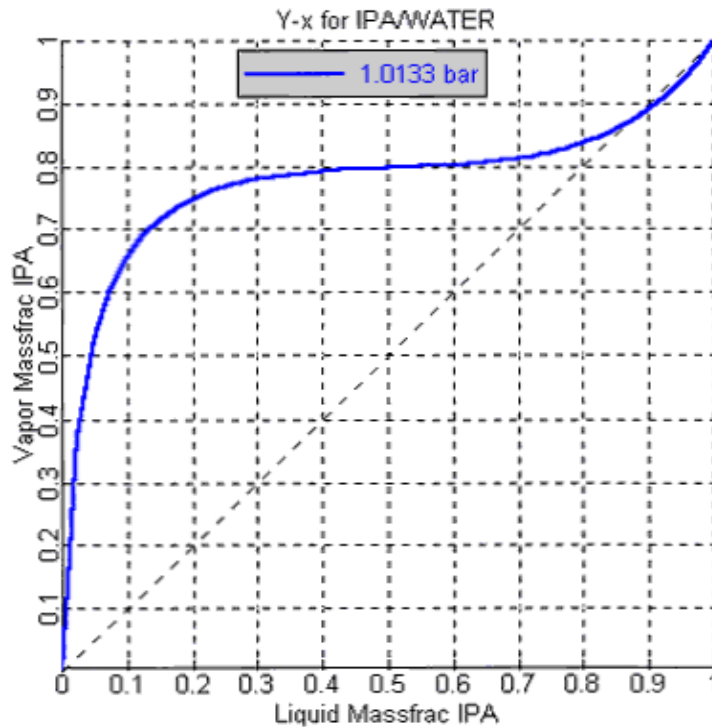
**Process Description**

Isopropyl Alcohol (IPA), water and methanol mixture is fed to the first column and methanol with 99.5 % (wt.) purity is removed in this column. IPA-water azeotrope is drawn as the bottom product.

The typical feed composition is as follows

<b>IPA</b>	<b>70-55 % (wt.)</b>
<b>Water</b>	<b>10-15 % (wt.)</b>
<b>Methanol</b>	<b>15-20% (wt.)</b>

**Design basis**                      **90-95 % Recovery of methanol**



### Operating Conditions

Operating Pressure      Column is operating under atmospheric pressure  
Column Internals        Structured packing for the column is (Type 5.0L)

### Experience

**Finepac® Structures has supplied a number of separating systems involving azeotropic distillation. IPA-water-ethanol is a typical system involving IPA-water azeotrope. The design involves prediction of azeotrope of IPA-water.**