

## **REACTOR SYSTEM**

Molecular Level contact is essential in a Reaction. This is achieved by Mass Transfer and Mixing. When we intensify these operation the residence time in the reactor can be substantially reduced.

The reactions are, however, highly Exothermic. The efficient heat transfer is therefore required. The Heat Exchanger is therefore kept in a loop with a high recirculation rate.

Mamko has taken up and resolved many such reaction situations. A typical example on Sulphonation Reaction System is depicted in the picture below.

