



## SAP Tubular Centrifuge

### High Speed Separation and Clarification Function:

It is centrifugal machine fixed with tubular separator (Vertical Tube-like Bowl) in vertical position. The body is fabricated out of carbon steel or stainless steel as per the application demands.

The drive for the bowl is through flat pulley transmission with motor mounted on the body. The driven pulley is connected to the centrifugal bowl by a spindle. At the bottom of the machine, there is drag body assembly having an arrangement to absorb the shock arising out of high speed rotation of bowl which is suspended from top.

- **Continues Separation of two immiscible liquids**
- **Clarifications of small quantities of impurities from liquids**



# Tubular Centrifuge

**Operation :** The Tubular Centrifuge comprised of bowl, specially designed slow acceleration motor and starter. The bowl rotates at 15000 r.p.m generating a centrifugal force of 16000 times the gravitational force.

The liquid mixture to be separated enters the nozzle of the centrifuge placed at bottom base. The centrifugal force acts on the liquids entering to their specific gravities. The lighter liquid forms the inside layer and heavier liquids form the outside (toward wall to bowl) layer. Since the mixture is entering continuously in the bowl, two phases are discharged continuously from two separate holes provided on the loop portion of the bowl. During clarification of the job, one discharge hole of the bowl is closed and continuous discharge of clarified liquid is possible. Solid accumulated inside bowl can be removed manually after stopping the machine.

**Bowl Assembly :** Bowl which is rotating at 15000 r.p.m is made of centrifugal castings and consists of top cover, bottom cover three wing assembly and main motor.

## Mechanical Specifications :

Model	AS12	AS16	AS26
Bowl speed	15000r.p.m.	15000 r.p.m.	15000 r.p.m.
Max Centrifugal Force	13200 g	13200 g	15600 g
Total Bowl Capacity	3 Litres	6 Litres	9 Litres
Bowl Dirt Holding Capacity	1.75 Litres	3.5 Litres	5.25 Litres
Bowl	14 Kg	18 Kg	25 Kg

## Application :

- Pharmaceutical Industries
- Chemical & Food Industries
- Edible Oil Industries
- Printing Ink Industries
- Paint Industries
- Fuel Oil Purification
- Gum Clarification
- Blood Fractionation

## Pilot Plant :

Pilot Plant is available

## Spare Parts :

All major spare parts are available ex-stock

## Our Other Products :

Vertical & Horizontal Pressure Leaf Filter, Bag Filter, Candle Filter Etc.



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