

# DISC THICKNER

## PARASON DISC THICKNER, WASHER, FILTER

- ◆ Thickening, Washing and Filtration without vacuum.
- ◆ Compact, sturdy and operational friendly.
- ◆ Thickening of Pulp Stock, Sludge and other suspensions.
- ◆ Washing of Pulp stock.
- ◆ Filtration (Separation of Solids ) from effluent and process water.

**LOW** Space  
Cost  
Power  
Maintenance



# APPLICATIONS



## As Thickener For :

- ◆ Recycle Fibre, Chemical and Mechanical Pulp
- ◆ Effluent Sludge
- ◆ Broke
- ◆ Chemical Industry

## As Washer for :

- ◆ Deinked Pulp
- ◆ Removal of Fillers and Fines from Recycled Fibre Pulp

## As Filter For :

- ◆ White Water system
- ◆ Fibre recovery system
- ◆ Effluent water
- ◆ Chemical Industry

# WORKING PRINCIPLE

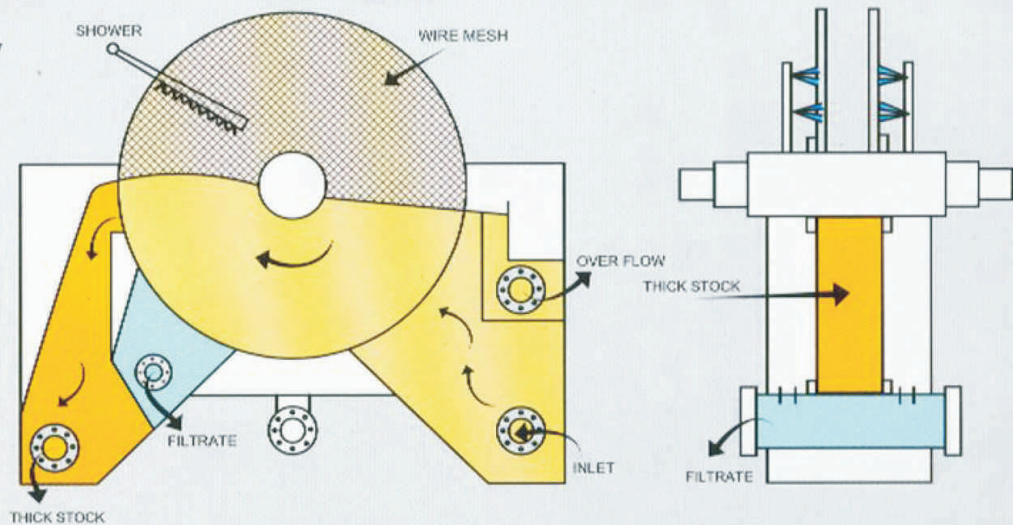
Parason Disc Thickener works as a gravity filter and does not require any barometric legs for creating vacuum. It can be installed at lower elevation.

Stock enters into the inlet chamber and directed in between two mesh covered discs. The level difference between feeding and filtrate chambers provides the necessary hydraulic pressure difference for a water / solids separation. Water drains through the mesh.

The rotation of disc has dual action. First, thickened stock is conveyed into the discharge chamber. Secondly, it creates "rolling effect" of the stock lump on the discs surface, producing a cleaning action. The mesh of the discs is cleaned by spray nozzles pipes.

## DESIGN AND SIZES

PDT-1600	Disc diameter 1600 mm with 1-10 pairs of discs
PDT- 3000	Disc diameter 3000 mm with 3-10 pairs of discs



Functional view of PARASON DISC THICKENER



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\* Due to constant R & D specifications are subject to change.  
\*\* Capacity depends upon operating conditions.