

# **SELF CLEANING FILTER**

## **Disc Type**



### **ADVANTAGES**

- Auto-clean online operation & purging time adjustable
- Highest flow rates with compact design
- No labour involved
- No replacement of filter media
- Very low pressure drop as filter media is always clean
- No loss of expensive product caused by frequent changing of bags/media
- When installed before solid bowl centrifuges gives clean oil to centrifuges and hence down time is reduced hence more production



Sharplex has recently introduced Self Cleaning Filter – Disc Type in the market which has very wide applications in a Paint, Varnish, Printing Ink, Coating, Adhesive, Viscose liquid and also in Edible Oil Industries as well.



## OPERATION

The SFC series auto-clean liquid filters are designed to remove suspended solids of 10 microns and larger from all types of viscose liquids like Oils, resins, paints, coatings, adhesives, pigments, crude vegetable oils.

The SFC filter system incorporates a stainless steel/carbon steel housing which contains tubular wedge wire filter element screen in stainless steel construction. The screen used is 50 to 80 microns.

Unfiltered liquid enters through inlet of housing and down to filter element suspended particles are deposited on the inside surface of filter screen. Clean fluid comes out from the outlet of filter housing. The solids retained on the filter screen are removed by circular cleaning disc. The disc is moved up & down along with screen, parallel to the slot openings of screen. The disc is operated by pneumatic cylinder. The solids deposited on screen are brought down in concentrated form and settles in cone of housing and periodically purged out through a purge valve manually or automatically. The compressed air pressure required to operate pneumatic cylinder is 4 to 6 bar g.

## MODELS

SFC-400	Capacity upto - 7 M3/Hr.
SFC-800	Capacity upto - 14 M3/Hr.
SFC-1600	Capacity upto - 25 M3/Hr.

For higher capacity multiple units can be used. These models are available with contact parts in SS 304, SS 316L or Carbon Steel. The wedge wire elements is SS 304 or SS 316L.

## APPLICATIONS

- Paint, Varnish, Resins, Printing Inks, Adhesives and all viscous liquids
- Vegetable oil refineries for filtration of crude oil
- Filtration of used cooking oils (Fast Food Joints, Hotels)
- Polymer filtration
- Pharmaceutical
- Surface treatment chemicals
- Lubricating oils/coolant filtration
- Starch plants
- Ethanol plants, bio-diesel



**SHARPLEX FILTERS (INDIA) PVT. LTD.**

AN ISO 9001:2008 COMPANY

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