

Polish Filters

Polish Filters provide simple surface filtration for filtering suspended fine solids from liquids, and economically removing trace contaminants:



- Filter Bags are the primary filtering elements, supported by a Perforated Basket in a sealed Filter Housing
- Filter Housing and Support Baskets are constructed to provide a positive seal between the suspension and the filtrate, while enabling tool-less access and removal of the Bags for regular cleaning / replacement
- Filters Bags can be provided in various pore sizes from 5 to 50 microns, based on the filtration requirement
- Filter Housings can be manufactured in various sizes, with single or multiple bags, as per customer requirements
- Filters can be provided in a twin assembly with changeover valves to ensure continuous filtration from one filter while the other is being cleaned or maintained
- Small pore sizes ensure complete removal of all solids and a clean final filtrate
- Polish Filters have a simple filtration process and are easy to operate and maintain
- Filter Bags can be easily and inexpensively exchanged
- Same filter housings can be used for different purposes by replacing the Filter Bags

Material Of Construction

- Needle Felt or Woven Filter Bags can be manufactured in Polyester, Polypropylene, Viscose, Nylon, or other special materials depending on the process conditions
- Support Baskets are manufactured in SS316/ SS304 as per customer specification, and can be provided in a fine mesh construction to act as a secondary strainer
- Filter Housings can be manufactured from Carbon Steel, SS304, or Carbon Steel with SS304 lining

Applications

- Polish Filters can be used in Vegetable Oil refineries, Pharmaceuticals manufacturing, and in Chemical industries
- Primary use in Vegetable Oil refineries is for the final polishing of refined oil after de-odorization and before packaging
- Polish filters can also be used to filter bleached oil after the Pressure Leaf Filter, in order to remove trace contaminants before de-odorization

Standard Sizes and Designs

Model No	MOC of Body	Body Size (mm)	MOC of Bag	Pore Size	Bag Size (mm)	Area (m ²)
SWN/SSPF/200/25	SS304	200Ø x 350 Long	Non-woven Polyester	5µ	160Øx 250 Long	0.125
SWN/SSPF/250/50	SS304	250Ø x 540 Long	Non-woven Polyester	5µ	185Øx 440 Long	0.250
SWN/SSPF/300/100	SS304	300Ø x 790 Long	Non-woven Polyester	5µ	235Øx 690 Long	0.500
SWN/CSPF/200/25	Carbon Steel	200Ø x 350 Long	Woven Polypropylene	15-20µ	160Øx 250 Long	0.125
SWN/CSPF/250/50	Carbon Steel	250Ø x 540 Long	Woven Polypropylene	15-20µ	185Øx 440 Long	0.250
SWN/CSPF/300/100	Carbon Steel	300Ø x 790 Long	Woven Polypropylene	15-20µ	235Øx 690 Long	0.500