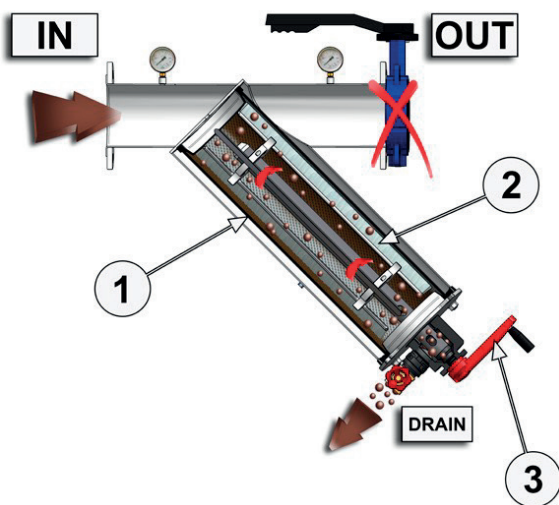


SEMI-AUTOMATIC BRUSH FILTERS – FAB

FAB filters are semi-automatically cleaning mesh filters with a stainless steel body available in the Y configuration. The inner cartridge is available with filter fabric in polyester (PES) fitted inside an AISI 316 stainless steel mesh support or completely in AISI 316 stainless steel in the REPS double layer version. These solutions provide a very wide range of filtration from 2000 to 25 µm. FABs are suitable for treating water from wells, rivers, canals and process water containing suspended solids. They are easily disassembled to allow internal inspection, and washing of the filter element is quick and easy via the semi-automatic cleaning unit. The filters are supplied ready for use with valves and pressure gauges.

SPECIFICATIONS

- Construction in Stainless Steel AISI 304 (M1) or 316 (M2)
- Filtration from 25 to 2000 µm
- Manual cleaning system with interruption of flow
- Polyester/AISI 316 filter elements
- Threaded connections (B) 2" to 3"
- Flanged couplings (F) ISO PN16 DN100 to DN150
- Compliant with PED Directive 2014/68/EU (Pressure Equipment)
- Compliant with Directive 2006/37/EC (applicable to installation if filter is connected to a PLC system)



Technical data

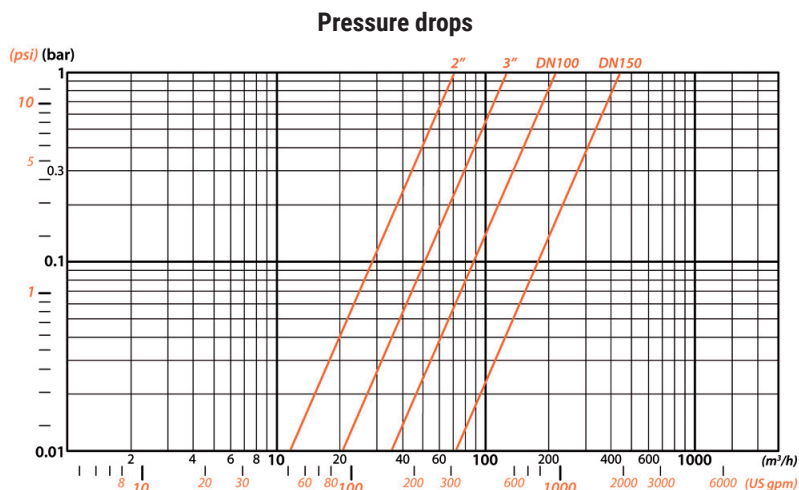
- Max. operating pressure: 10 bar
- Max. temperature: 60°C
- Minimum cleaning pressure: 1.0 bar
- Salinity and Acidity: <10000 ppm TDS, pH 3-9
- Connections: ISO PN16/10 – BSP
ANSI 150 -NPT

Filtration

The water to be treated feeds the filter via the connection (IN), flows through the filter element (1) which retains the suspended solids internally and flows filtered out of the outlet (OUT).

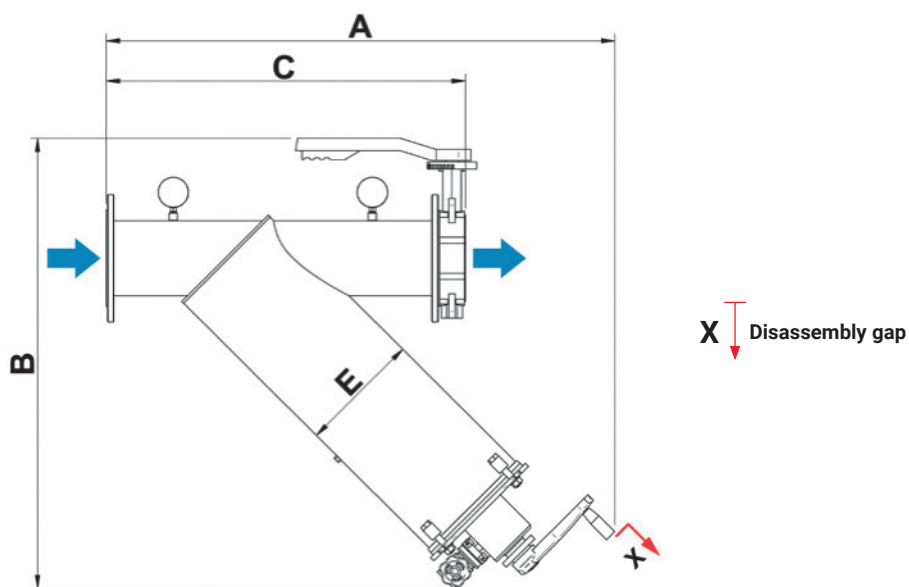
Cleaning

The filter element must be cleaned when the gradual build-up of suspended solids causes an excessive pressure difference (0.8 - 1 bar for pressure applications, ≤ 0.3 bar for suction applications) between filter inlet and outlet. During this stage, the drain valve (DRAIN) must be opened, the manual valve, located at the outlet (OUT), closed and rotation of the brushes (2) activated by means of the crank on the lid (3). The brushes sweep over the inner surface of the filter cartridge to remove deposited impurities, which are then expelled externally via the discharge (DRAIN).



Pressure drops refer to filters with 120 µm filter mesh and clean water

"Y" CONFIGURATION



Model	Filtering Surface Area	Max. flow rate*	Connections		Dimensions (mm)					Weight
	cm ²		In/Out	Drain	A	B	C	E	X	
FAB Y 2"/2	1500	40	2"	1" 1/2	650	540	455	206	500	22
FAB Y 3"/2	1500	80	3"	1" 1/2	670	590	510	206	500	24
FAB Y 3"/3	2200	80	3"	1" 1/2	780	690	510	206	650	30
FAB Y 100/3	2200	130	DN100	1" 1/2	820	760	605	206	650	33
FAB Y 100/4	3300	140	DN100	1" 1/2	820	760	650	273	650	42
FAB Y 150/4	3300	250	DN150	1" 1/2	890	770	800	273	650	48
FAB Y 150/5	5400	300	DN150	1" 1/2	1140	990	800	273	1000	57

*Flow rates refer to filters with 120 µm filter mesh and water at 20 °C with NTU < 1.