

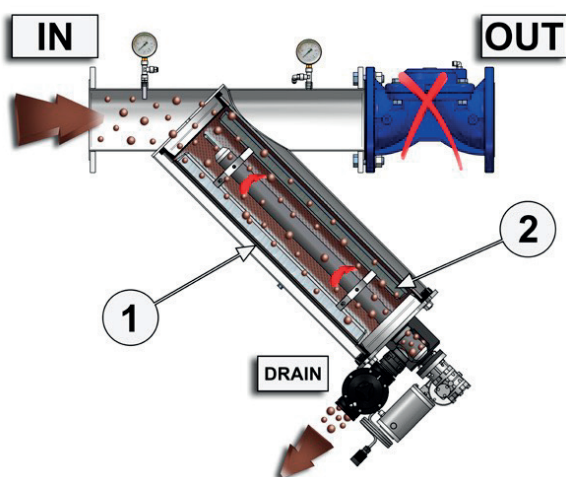
AUTOMATIC STAINLESS STEEL BRUSH FILTERS – FABA

FABA filters are self-cleaning mesh filters with a stainless steel body. 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.

FAB filters are suitable for treating water from wells, rivers, canals and process water containing suspended solids. Washing the filter element is quick and easy via the cleaning brushes operated by an automatic cleaning unit. The filters are supplied ready for use with valves, pressure gauges and electronic controller.

SPECIFICATIONS

- Construction in Stainless Steel AISI 304 (M1) or 316 (M2)
- Filtration from 25 to 2000 µm
- Automatic 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: 3.0 bar
- Salinity and Acidity: <2000 µS, pH 3-9
- Connections: ISO PN16/10 – BSP
ANSI 150 -NPT

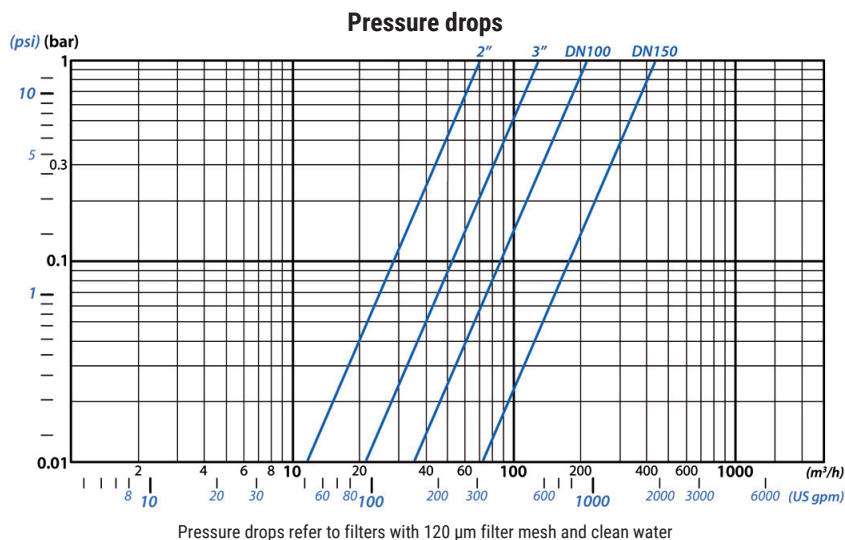
Filtration

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).

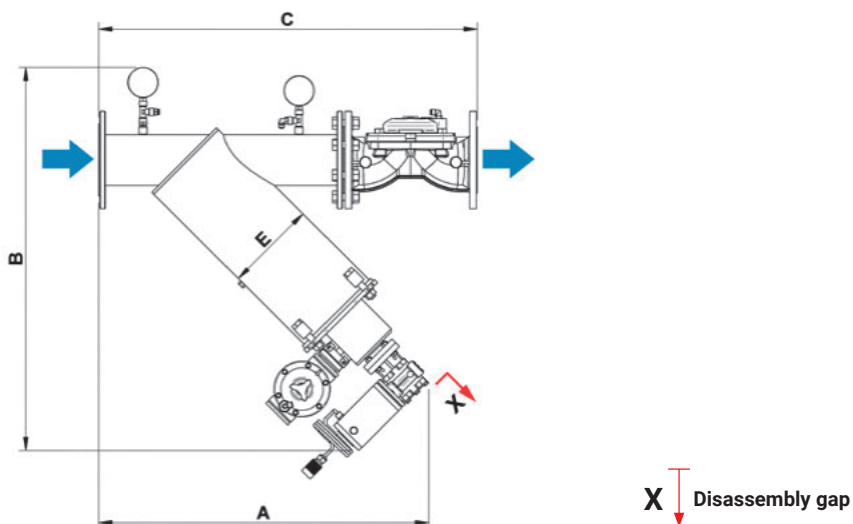
Cleaning

Cleaning of the filter element can be carried out at predetermined time intervals or when the gradual build-up of suspended solids causes an excessive pressure difference (0.8 bar) between filter inlet and outlet. During this stage, the drain valve (DRAIN) is opened, the master valve at the outlet (OUT) is closed and the cleaning brushes (2) rotate simultaneously.

The brushes sweep over the inner surface of the filter cartridge to remove deposited impurities, which are then expelled externally via the discharge (DRAIN).



“Y” CONFIGURATION



Model	Filtering Surface Area	Max. flow rate*	Connections		Dimensions (mm)					Weight
	cm ²		In/Out	Drain	A	B	C	E	X	
FABA Y 2"/2	1500	40	2"	1"	565	730	550	206	500	26
FABA Y 3"/2	1500	80	3"	1"	590	740	660	206	500	31
FABA Y 100/3	2200	130	DN100	1" 1/2	745	865	850	206	650	54
FABA Y 100/4	3300	140	DN100	1" 1/2	745	865	900	273	650	60
FABA Y 150/4	3300	250	DN150	1" 1/2	815	895	1100	273	650	94
FABA Y 150/5	5400	300	DN150	1" 1/2	1030	1110	1100	273	1000	102

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