



PRESSURE FILTERS WITH FILTER BAG TYPES EF & EFG



- WIDE RANGE OF APPLICATION
- NO RINSE WATER CONSUMPTION
- REUSABLE FILTER BAGS
- EASY TO INSTALL AND MAINTAIN
- SPACE-SAVING INSTALLATION
- HIGH FLOW RATES
- FOR COLD AND HOT LIQUIDS
- FOR ACID AND ALKALINE LIQUIDS
- FRAME-MOUNTED DUPLEX PLANTS

APPLICATION

EUROWATER pressure filters with filter bag are ideal for filtration processes with high requirements to flow rate and space saving installation. The filter has a wide range of application. It is applicable for filtration of boiler and cooling water, district heating water, rinse water, degreasing and phosphatizing baths in the galvanic and printing industries and many other special tasks.

DESIGN

The pressure filter module consists of a filter house with cover and a support screen for the exchangeable filter bag. Pressure filter and support screen are chosen according to the filtration task. The modules are available as frame-mounted duplex plants also.

FILTER BAGS

The filter bags for mechanical filtration are available with pore densities down to 1 micron. Clogged bags can be exchanged within a few minutes. The bags are emptied and can normally be reused after cleaning. The pressure filters with filter bags are consequently an economic alternative to the traditional cartridge filter systems.

FILTRATION PROGRAM

EUROWATER continuously develops new pressure filters and filter bags applicable as water-saving measures in industries. The wide filtration program has a wide range of application even for liquids with extreme pH-values and temperatures.

EF MODULES FOR COLD WATER

The EF modules applies for cold water below 35°C. The filter house is made of either PVC or steel which is coated with corrosion-resistant, high-density polypropylene. The support screen is normally of PVC. The EF 5 module has several types of materials for special applications.

EFG MODULES FOR HOT WATER

The EFG modules are suited for filtration of water up to 100°C. The filter house is made of steel. The modules can be supplied painted outside and untreated inside. They are also available in hot-galvanized steel and stainless steel. The filter can be supplied with a built-in magnet.

FILTRATION OF DISTRICT HEATING WATER

The circulation water in district heating plants should not contain sludge and mechanical impurities which cause corrosion and clogging of the measuring and regulating equipment.

A EUROWATER filter for hot water is suitable for partial stream filtration in such a system. The module 2-EFG5-F is designed specially for district heating plants.

FILTRATION OF PROCESS BATHS

In the pre-processing and galvanic industries process baths can be circulated through a pressure filter with filter bag, thus achieving continuous cleaning of process baths which prolongs the tool life. Special filter bags for use with degreasing and phosphatizing baths prolong the life of the bath, thereby reducing the quantity of waste water and the risk of clogging the nozzles and the valves in the system.

Filter bags for filtration of degreasing and phosphatizing baths can normally not be reused.

SPECIFICATIONS

Type	Flow Rate 1)	Operating Pressure	Temperature	Space required 2)		
Single filter	m ³ /hour	Maximum bar	Maximum °C	Height mm	Width mm	Length mm
EF2, PVC	12	6.0	35	600	250	250
EF5, PVC support screen	16	6.0	35	975	350	350
EF5, SS support screen	22	6.0	35	975	350	350
EF5, AC support screen	10	6.0	35	975	350	350
EFG5, painted	22	6.0	100	975	350	350
EFG5, painted with magnet	15	6.0	100	975	350	350
EFG5, galvanized	22	6.0	80	975	350	350
EF6, PVC	17	4.0	35	925	450	450
EFG7, painted	22	16.0	100	950	450	450
EFG7, galvanized	22	16.0	80	950	450	450
EFG8, stainless steel	22	6.0	100	875	350	350
Duplex filter 3)						
2-EF2-F, PVC	20	6.0	35	725	1100	350
2-EF5-F, PVC support screen	30	6.0	35	1125	1000	650
2-EF5-F, SS support screen	40	6.0	35	1125	1000	650
2-EFG5-F, painted	40	6.0	100	1150	1300	650
2-EFG5-F, galvanized	40	6.0	80	1150	1300	650
2-EF6-F, PVC	30	4.0	35	1125	1000	650
2-EFG7-F, painted	40	16.0	100	1150	1300	650
2-EFG7-F, galvanized	40	16.0	80	1150	1300	650

1) Flow rates are stated at a pressure loss of 0.5 bar. The maximum differential pressure is 1.5 bar.

2) Ask for dimensioned sketch stating connections and exact installation dimensions.

3) Duplex filter modules are supplied frame-mounted.