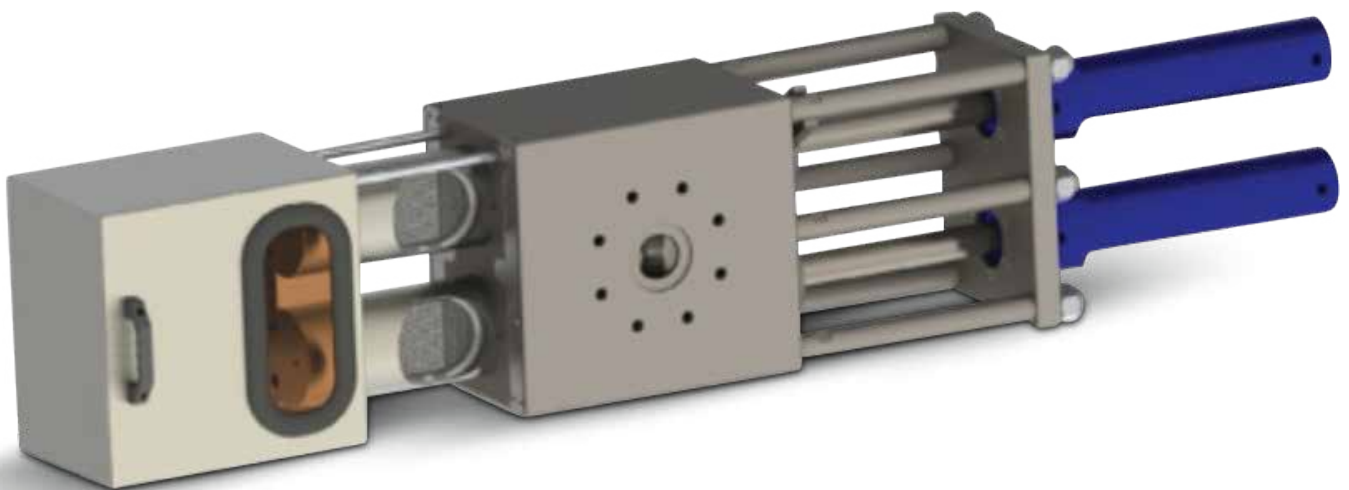


CF

Continuous Flow Extrusion Filter System



In extrusion systems, plate type classical extrusion filters, cuts the flow for a short time while changing the filter. The cut melt flow, disrupts working stability for some applications, regaining the stability makes a big loss. CF type filters provide continuous flow even during the filter change with the proven 2 way flow channel design. Thus filter can be changed without any loss.

WHY "CF" FILTER?

- Continuous flow even during the filter change
- Guaranteed long time seal free operation with proven piston design
- Optimum transition efficiency for high and low viscosity melts
- Optimized flow channels, minimum residence time and dead points
- Compact design, simple and safe filtering operation
- Maximum safety with covers
- High quality materials and finish
- Optional temperature and pressure sensors and interconnection Adaptors

CF

Continuous Flow Extrusion Filter System

Application Area

- Sheet
- Foam
- Blown film
- Pipe
- Profile
- Blow Moulding
- Fiber
- Granulation
- Compound
- Cable

Limit Conditions

Temperature:	350 °C
Operating pressure:	300 bar
Pressure difference:	100 bar



Technical Data

Filter Size:	75 - 225 mm
Screen Area:	124 - 972 cm ²
Installation:	Suitable for all type of machinery
Technology:	Piston Type, two way flow channel

Operation

Melt flow is divided in two way after the inlet and reaches the two screens. During the run, both of the screens are active. When the set pressure is reached, system gives the alarm. In order to change the screen, hydraulic moves the piston out, and dirty filter mesh is removed, while the other piston is still active and machine in production position. Sealing is safe and no leakage because of sturdy circular piston design. New filter mesh is placed by the help of fixing channel. While the piston moves back, venting is made to avoid air entrapment to the melt stream. During this short changing time, the other screen ensures the continuous running of extruder.

Model	Filter Size	Filtering Area (cm ²)	Filtering capacity (Kg/s)
CF 75	75x106	2x62	110-270
CF 100	100x134	2x96	170-430
CF 125	125x164	2x150	270-670
CF 150	150x200	2x216	390-970
CF 175	175x229	2x294	530-1320
CF 200	200x265	2x384	700-1720
CF 225	225x300	2x486	880-2180

NOTE: The capacity values in the table vary according to the viscosity of the material, the size of the filter mesh and the dirt rate.

Spare parts

- Connection adapter
- Support Base (Chassis)
- Control system
- Breaker plate
- Extra Protection covers

Other Filter Types

- BF- Plate type filter
- CFL- Extra-large filtering area, continuous filter

Options

- High compressive strength
- High temperature version
- Coated bearings
- Stainless steel design