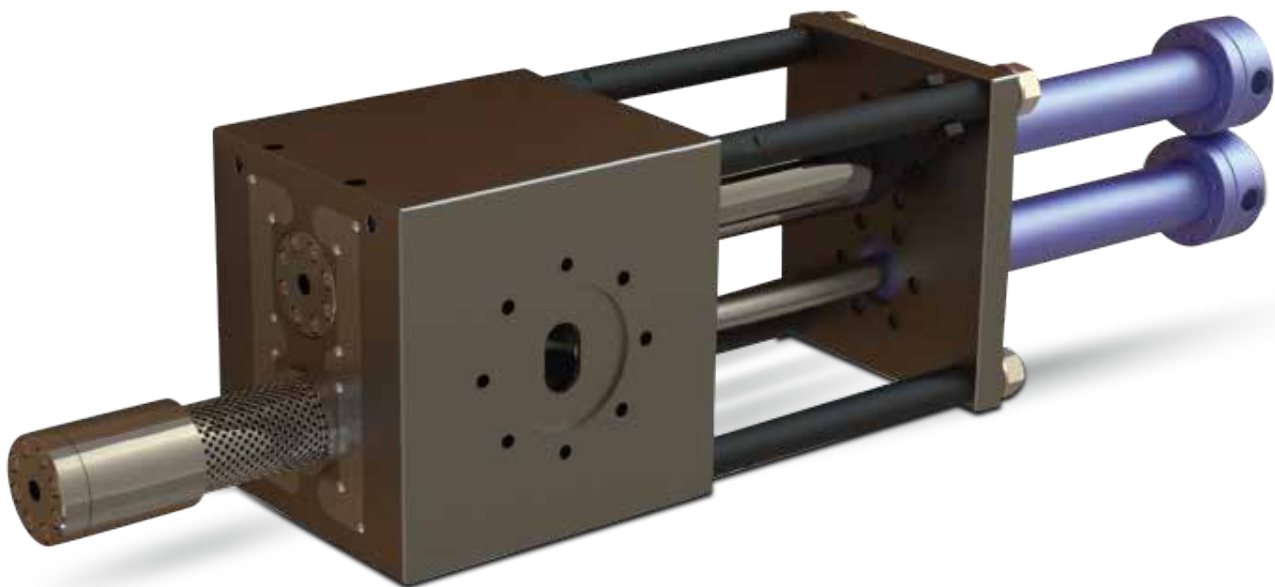


# CFL

Extra Large Filtering Area, Continuous Filter



CFL- Series Filters having extra-large filtering area provides very long run without changing the screen mesh. Comparing the CF series or similar filters with flat screens, it has 4 times larger filtering area with a similar compact body. Due to its proven double Piston type design, it doesn't need any additional sealing, runs without leakage and reduces pressure loss by optimized flow channels and enlarged screen area.

## WHY "CFL" FILTER?

- More than 4 times bigger filtration area
- Effective solution for high contaminated material
- Long operation time without changing filter.
- Long life leakage free operation
- Lower back pressure
- Compact design for High capacity application
- Less energy consumption due to smaller hydraulic and heating system
- Functional covering with full safety.
- Variety of options (Diverter valves, pressure sensor, PLC automation etc.)

## CFL

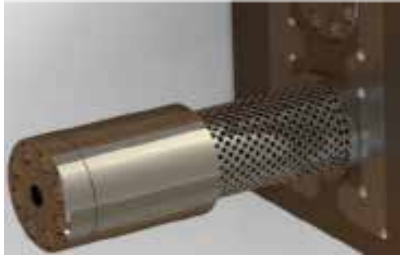
Extra Large Filtering Area, Continuous Filter

### Application Area

- Recycling
- Sheet
- Pipe
- Foam
- Profile
- Blow Molding
- Fiber application
- Granulation
- Compounding
- Cable extrusion

### Limit Conditions

**Temperature:** 350 °C  
**Operating Pressure:** 300 bar  
**Differential Pressure:** 100 bar



### Technical Data

**Filter Size:** 75 - 225 mm  
**Screen Area:** 376 - 3444 cm<sup>2</sup>  
**Usage:** Can be installed each position with compact size  
**Technology:** Perfect sealing with double piston robust design

### Operation

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	Piston Size (Ø mm)	Filtering Area (cm <sup>2</sup> )	Filtering Capacity (Kg/s)
CFL 75	80	2x188	180 - 450
CFL 100	100	2x314	330 - 780
CFL 125	125	2x511	600 - 990
CFL 150	150	2x697	990 - 1800
CFL 175	175	2x979	1230 - 2460
CFL 200	200	2x1335	1830-3750
CFL 225	225	2x1714	2550-6500

### Spare & Optional Parts

- Connection Adaptors
- Support Base (Chassis)
- Filter Screens
- Safety Guides

### Other Former Filter Types

- BF- Plate type basic filter
- CF- Double Piston  
Continuous Filter

### Options

- PLC Control Unit
- Higher pressure durability
- Higher temperature durability
- Extra corrosion resistance
- Stronger breaker plate