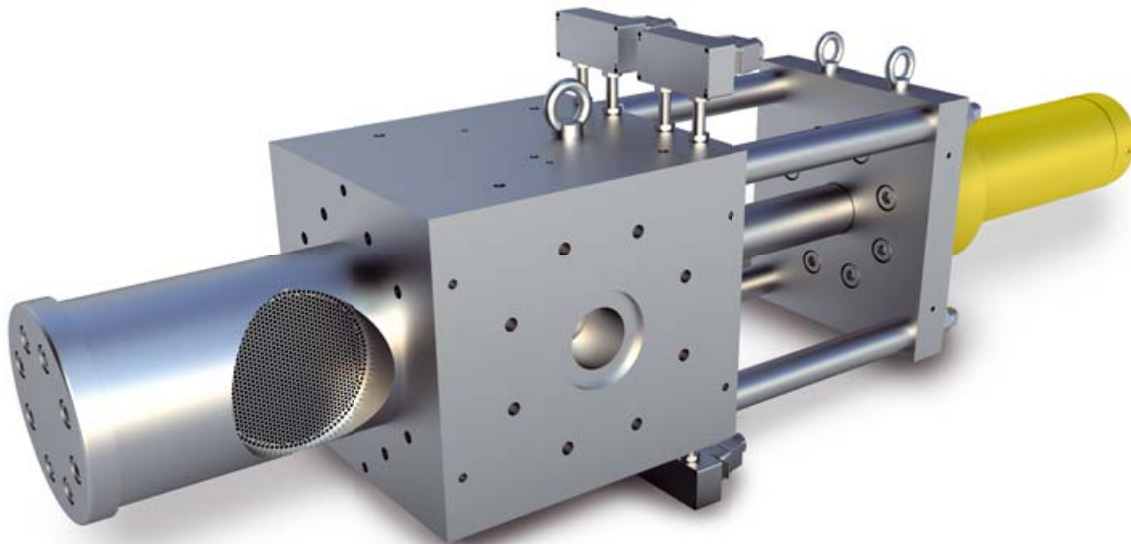


DSC

Screen changer for demanding extrusion processes



The discontinuously operating screen changer, equipped with a screen cavity, offers a robust and economic alternative for extrusion and compounding applications which permit a brief interruption in the melt flow when changing the screen. Thus, it is also ideal for batch applications during which an application-related shut-down of the unit permits a screen change after a batch is complete.

Your benefits

- Simple operation and uncomplicated screen changing
- High operational reliability
- Short material residence time
- Leak-free mode of operation
- Low pressure consumption
- Flow channel geometry without any dead spots

DSC

Screen changer for demanding extrusion processes

A range of typical applications

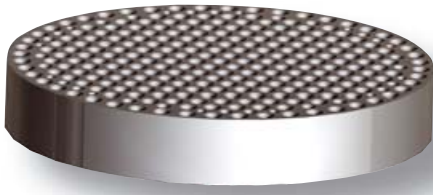
- Flat films
- Foam films
- Blown films
- Plates
- Pipes
- Profiles
- Blown mouldings
- Fibres
- Granulation
- Compounding

Application limits:

Temperature: Up to 350 °C

Operating pressure: Up to 700 bar

Pressure differential: Up to 100 bar



Accessoires

- Connection adapter
- Support carriages
- Control systems
- Breaker Plates
- Protective devices

Additional DSC designs including

- Candle filters
- Arched screens
- Oval screens
- Disk filters
- Basket filters

Technical data:

Screen diameter: 30 to 400 mm

Screen area: 7 to 1,256 cm²

Mounting: Compact mounting dimensions, all positions possible

Technology: Proven single-piston design, which goes without additional seals

On the inlet side, the rheologically optimised flow channel directs the melt flow into the screen cavity. The breaker plate is fitted with screen mesh suitable for the required filtration size. The cleaned melt flow leaves the filter housing for the next processing step.

To change the screen during a shut-down, the screen bearing piston is moved out of the housing, where the screen cavity is accessible for a screen change by means of a hydraulic cylinder. After the screen change has been completed, the screen bearing piston is moved back into the production position. Any trapped air will escape in the subsequent processing unit.

Size	Throughput* [kg/h]	Screen diameter [mm]	Filtration area [cm ²]
030	40	1 x 30.0	1 x 7
046	100	1 x 46.3	1 x 17
058	150	1 x 58.3	1 x 27
076	250	1 x 76.3	1 x 45
096	400	1 x 96.3	1 x 72
116	600	1 x 116.3	1 x 106
125	700	1 x 125.0	1 x 123
148	1,000	1 x 148.3	1 x 173
176	1,300	1 x 176.3	1 x 244
200	1,700	1 x 200.0	1 x 314
230	2,300	1 x 230.3	1 x 416
250	2,700	1 x 250.0	1 x 491
270	3,100	1 x 270.0	1 x 572
300	3,900	1 x 300.0	1 x 707
340	5,000	1 x 340.0	1 x 908
400	6,900	1 x 400.0	1 x 1,256

* at melt viscosity 1,000 Pas and flux rate 5,5 Kg/h·cm², dependent on filtration grade and degree of soiling.

Options

- Oil, liquid, or steam-heated
- High pressure breaker plate
- High-temperature version
- Coated flow channels
- Stainless steel design
- With venting function