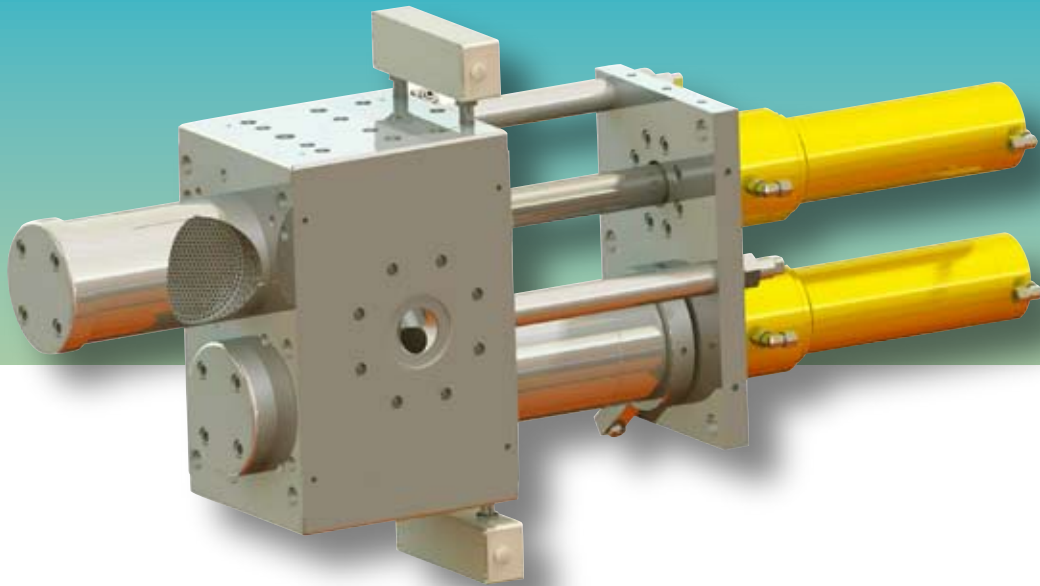


CSC



A range of typical applications:

- Flat films
- Foam films
- Blown films
- Plates (Sheet)
- Pipes
- Profiles
- Blow mouldings
- Fibres
- Granulation
- Recycling
- Compounding

Continuous and process-constant

CSC screen changers from Maag Pump Systems are based on the proven double-piston design that operates without any additional seals. Their sturdy construction available in all sizes and designs guarantees reliable and leak-free filtration of polymer melts for many years.

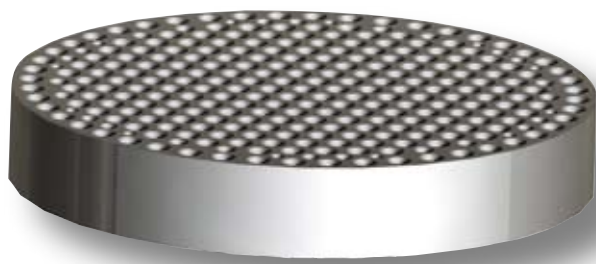
On the inlet side, rheologically optimised flow channels divide the melt stream to flow into the screen cavities at equal parts. The breaker plates are equipped with screen mesh suitable for the required filtration rate. Downstream of the screens, the two cleaned partial melt streams converge again and flow out of the filter housing as one single stream.

To change the screen, each piston is moved out of the housing consecutively by means of a hydraulic cylinder. Once the screens are exchanged, the piston returns to its production position in the same way. A simple, effective screen venting process prevents air from entering the melt flow. During the quick screen change procedure, the melt continues to flow through the other piston, thus ensuring that the system works in a process-constant manner.

- 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

Size	Throughput* [kg/h]	Screen diameter [mm]	Filtration area [cm ²]
030	45	2x30.0	2x7
046	110	2x46.3	2x17
058	170	2x58.3	2x27
076	300	2x76.3	2x45
096	470	2x96.3	2x72
116	680	2x116.3	2x106
125	800	2x125.0	2x123
140	1,000	2x140.3	2x155
148	1,100	2x148.3	2x173
176	1,600	2x176.3	2x244
200	2,000	2x200.0	2x314
230	2,700	2x230.3	2x416
250	4,500	2x250.0	2x491
270	6,500	2x270.0	2x572
300	8,000	2x300.0	2x707
340	18,000	2x340.0	2x908
400	30,000	2x400.0	2x1,256
508	50,000	2x508.0	2x2,026

*depending on viscosity, filtration size and degree of contamination



Application limits:

Temperature: to 330 °C

Operating pressure: 500 bar

Pressure differential: to 100 bar

Technical specifications:

Screen diameter: 30 to 508 mm

Filtration area: 14 to 4,052 cm²

Mounting: compact mounting dimensions,
all positions possible

Technology: proven sealless double-piston
design

Accessories:

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

Options:

- Oil, liquid or steam-heated
- High-pressure version up to 1,000 bar
- High-temperature version up to 450 °C
- Chromed, nickel-plated or specially-coated flow channels
- Stainless steel design
- High-pressure breaker plate, max. pressure differential 300 bar

Additional CSC designs with:

- Backflush option
- Candle filters
- Double cavities
- Diverter Valve

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