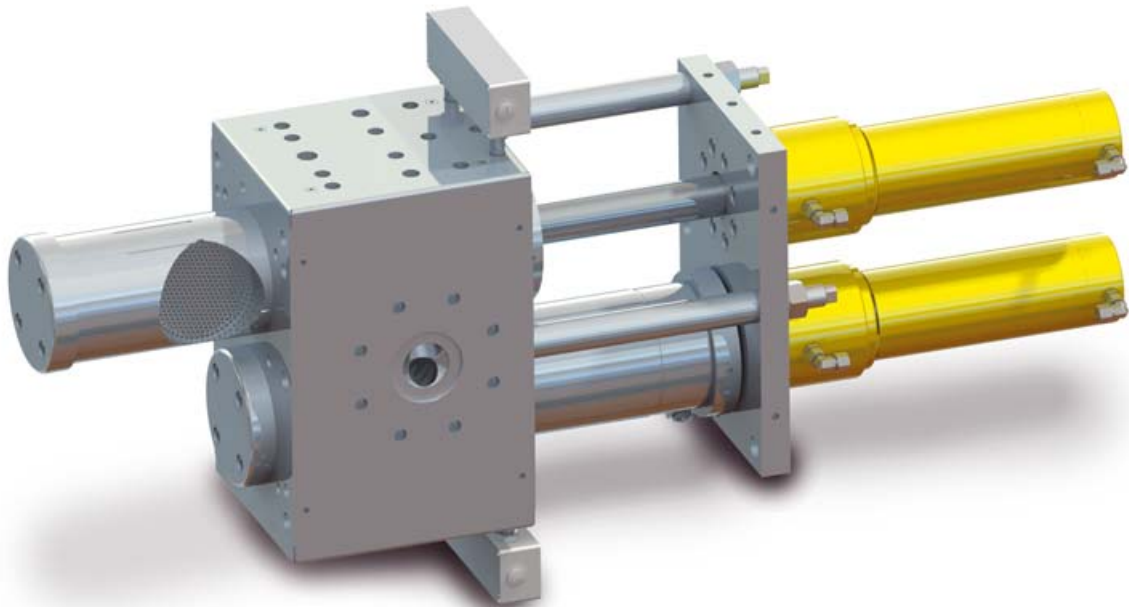


CSC

Continuous double piston screen changer



Continuous CSC screen changers from Maag with their robust and leak-free operation meet highest quality standards with respect to melt filtration. Due to their constantly improved functionality continuous screen changers from Maag increase product quality significantly. CSC screen changers are based on the proven double-piston design that operates without any additional seals. Their sturdy construction available in all sizes and designs guarantees a reliable and leak-free filtration of polymer melts for many years.

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

CSC

Continuous double piston screen changer

A range of typical applications

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

Options

- Electric, liquid or steam-heated
- High-pressure version
- High-temperature version
- Coated flow channels
- Stainless steel design
- High-pressure breaker plate



Accessories

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

Additional CSC designs with

- Backflush option
- Arched screen
- Oval screen
- Disc filter
- Basket filter
- Diverter valve
- Candle filters

Technical specifications:

Screen diameter:	30 mm to 400 mm
Filtration area:	14 cm ² to 2,512 cm ²
Mounting:	Compact mounting dimensions, all positions possible
Technology:	Proven sealless double-piston design

On the inlet side, rheologically optimized 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 screens, each piston is moved out of the housing separately by means of a hydraulic cylinder. Once the screen changer is 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 continuous filtration.

Application limits:

Temperature:	To 350 °C
Operating pressure:	350 bar
Pressure differential:	To 100 bar

Size	Throughput* [kg/h]	Screen diameter [mm]	Filter area [cm ²]
030	80	2 x 30.0	2 x 7
046	190	2 x 46.3	2 x 17
058	300	2 x 58.3	2 x 27
076	500	2 x 76.3	2 x 45
096	800	2 x 96.3	2 x 72
116	1,200	2 x 116.3	2 x 106
125	1,400	2 x 125.0	2 x 123
148	1,900	2 x 148.3	2 x 173
176	2,700	2 x 176.3	2 x 244
200	3,500	2 x 200.0	2 x 314
230	4,600	2 x 230.3	2 x 416
250	5,400	2 x 250.0	2 x 491
270	6,300	2 x 270.0	2 x 572
300	7,800	2 x 300.0	2 x 707
340	10,000	2 x 340.0	2 x 908
400	14,000	2 x 400.0	2 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.