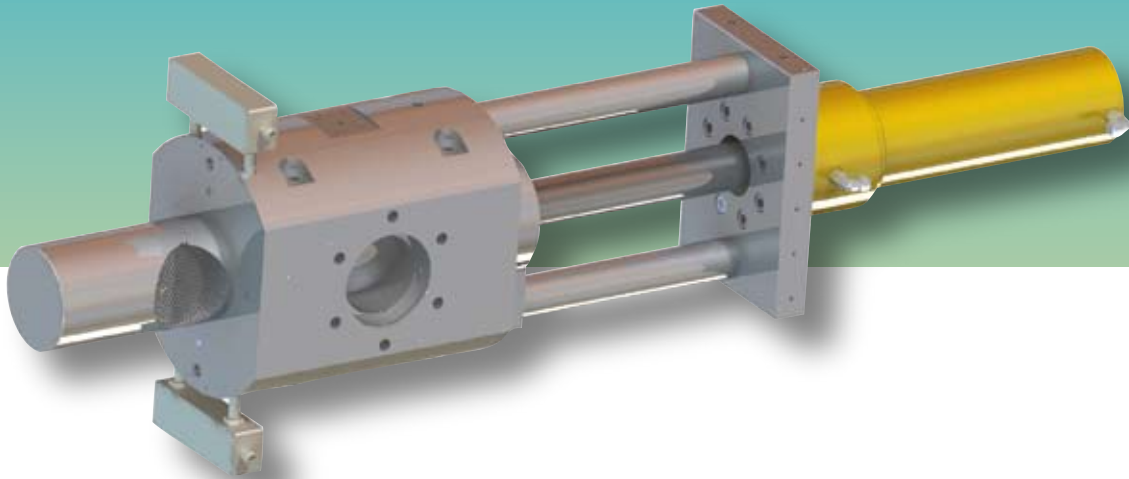


# C-SSC



## A range of typical applications:

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

## Continuous and process-constant

C-SSC screen changers from Maag Pump Systems are based on the proven single-piston design with two screen cavities 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.

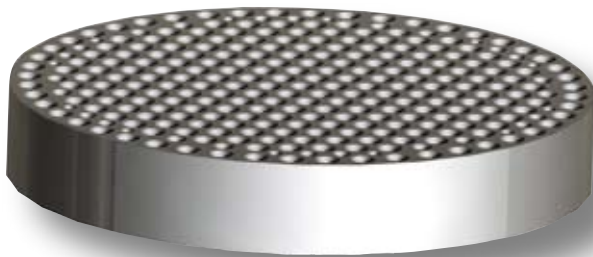
On the inlet side, the rheologically optimised flow channel directs the melt flow into the screen cavity which is in operating position. The breaker plates are fitted with screen mesh suitable for the required filtration rate. The cleaned melt flow leaves the filter housing.

To change the screen, the piston is moved out of the housing by means of a hydraulic cylinder and then returned to the production position with a clean screen. A simple, effective screen venting process prevents air from being trapped in the melt flow. During the quick screen change procedure, the melt continues to flow through the second screen cavity, 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 <sup>2</sup> ]
058	170	1x58.3	1x27
076	300	1x76.3	1x45
096	470	1x96.3	1x72
116	680	1x116.3	1x106
125	800	1x125.0	1x123
140	1,000	1x140.3	1x155
148	1,100	1x148.3	1x173
176	1,600	1x176.3	1x244
200	2,000	1x200.0	1x314
270	4,700	1x270.0	1x572

\*depending on viscosity, filtration size and degree of contamination



#### Application limits:

**Temperature:** to 350 °C

**Operating pressure:** 350 bar

**Pressure differentia:** to 100 bar

#### Technical specifications:

**Screen diameter:** 58 to 270 mm

**Filtration area:** 27 to 572 cm<sup>2</sup>

**Mounting:** compact mounting dimensions,  
all positions possible

**Technology:** proven sealless single-piston  
design

#### Accessories:

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

#### Options:

- Oil, liquid or steam-heated
- 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 C-SSC designs with:

- Candle filters

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