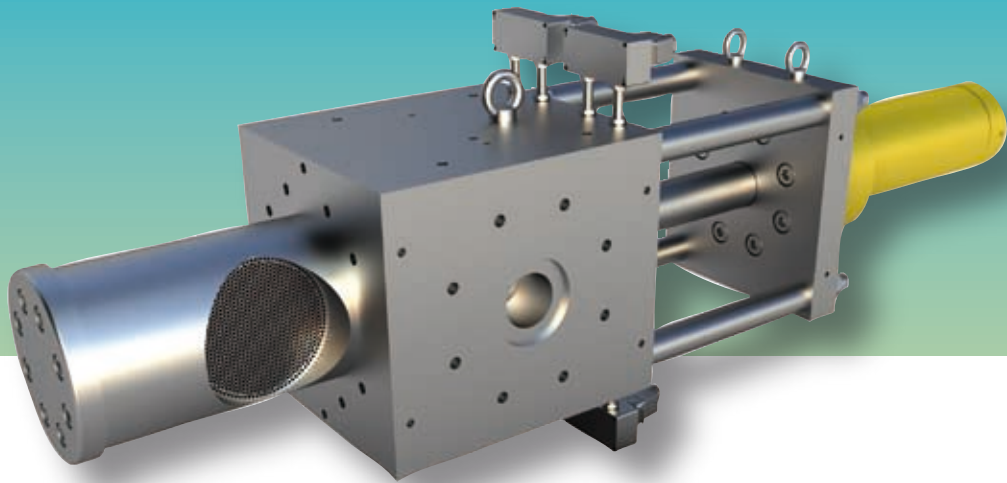


# DSC



## A range of typical applications:

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

## Discontinuous and process-constant

Maag Pump Systems DSC Screen Changers are based on the proven double-piston design that goes 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.

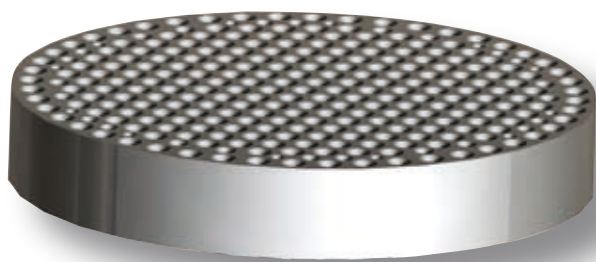
On the inlet side, the rheologically optimised flow channel directs the melt flow into the screen cavity. The breaker plate is fitted with screen mesh suitable for the required filtration size. The cleaned melt flow leaves the filter housing.

To change the screen, the screen bearing piston is moved out of the housing by means of a hydraulic cylinder and then returned to the production position with a clean screen. During the short screen change procedure, the melt flow is interrupted, i.e. the mode of operation is discontinuous.

- 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]	Filter area [cm <sup>2</sup> ]
030	30	1x30.0	1x7
046	80	1x46.3	1x17
058	125	1x58.3	1x27
076	220	1x76.3	1x45
096	350	1x96.3	1x72
116	510	1x116.3	1x106
125	600	1x125.0	1x123
148	820	1x148.3	1x173
176	1,200	1x176.3	1x244
200	1,500	1x200.0	1x314
230	2,020	1x230.3	1x416
250	3,370	1x250.0	1x491
270	4,870	1x270.0	1x572
300	6,000	1x300.0	1x707
340	13,500	1x340.0	1x908
400	22,500	1x400.0	1x1256

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



#### Application limits:

**Temperature:** up to 330 °C

**Operating pressure:** up to 500 bar

**Pressure differential:** up to 100 bar

#### Technical specifications:

**Screen diameter:** 30 to 400 mm

**Screen area:** 7 to 1,256 cm<sup>2</sup>

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

**Technology:** proven single piston design, which goes without additional seals

#### 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

#### Additional DSC designs including:

- Candle filters

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