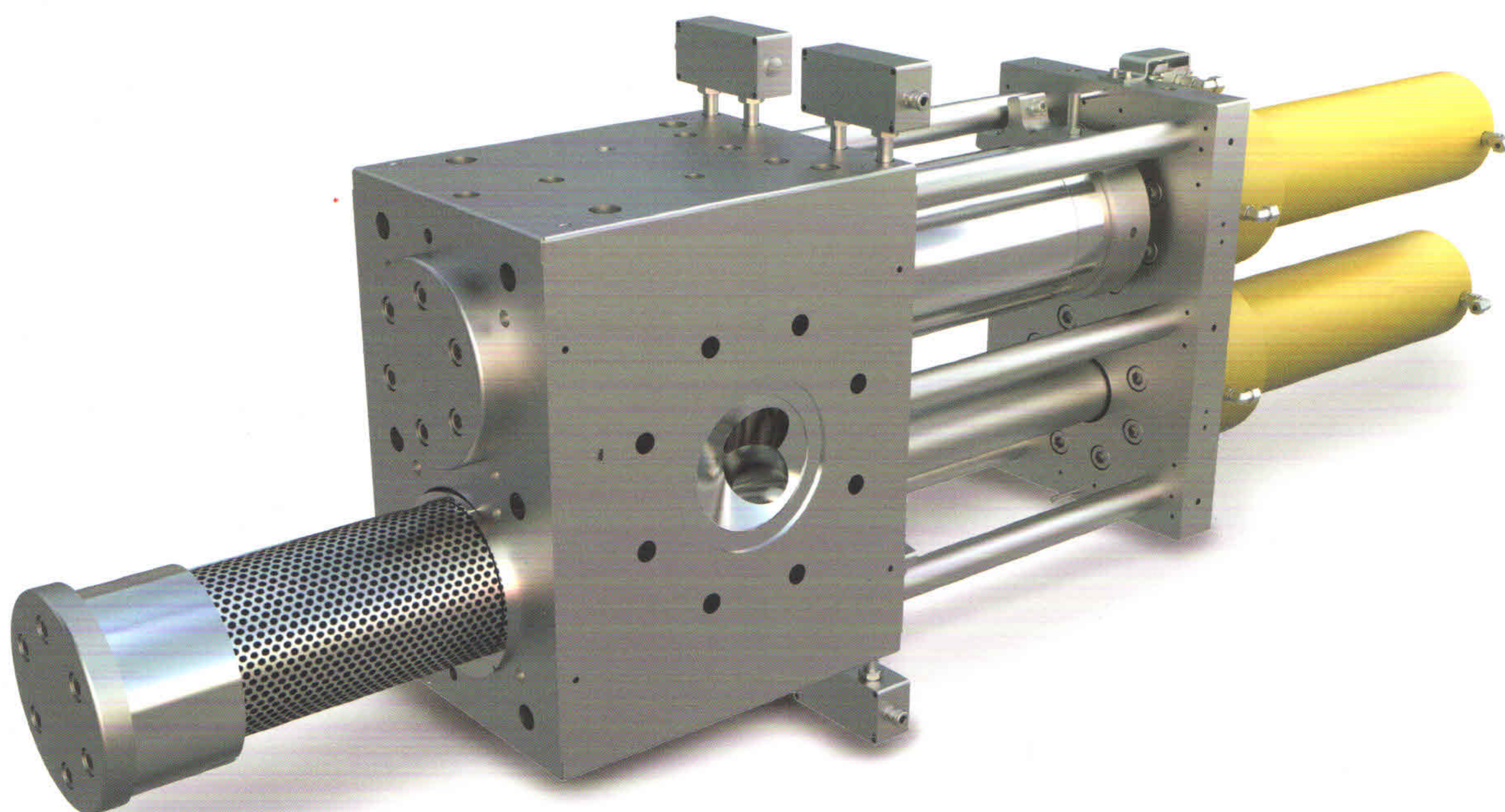




CSC-R

Continuous large-area filter for extrusion



Large-area screen changers from maag filtration systems are based on the sturdy and proven double-piston design. The patent-registered curved screen plate provides four times more active screen area than a conventional screen changer with circular screen cavities. The highly compact size permits higher throughput rates and filtration grades, as well as reducing pressure loss and multiplies the screen life time. The simple and robust design, with no additional sealing elements, ensures a reliable and leakage-free continuous operation.

Your benefits

- 4x more filter area than circular screen cavities
- Higher throughput
- Multiplied screen life time
- Lower melt pressure
- Higher filtration fineness
- Reduced flux rate Kg/h/cm²
- Ultra-compact design
- Less heating capacity
- Smaller hydraulic unit

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Areas of application

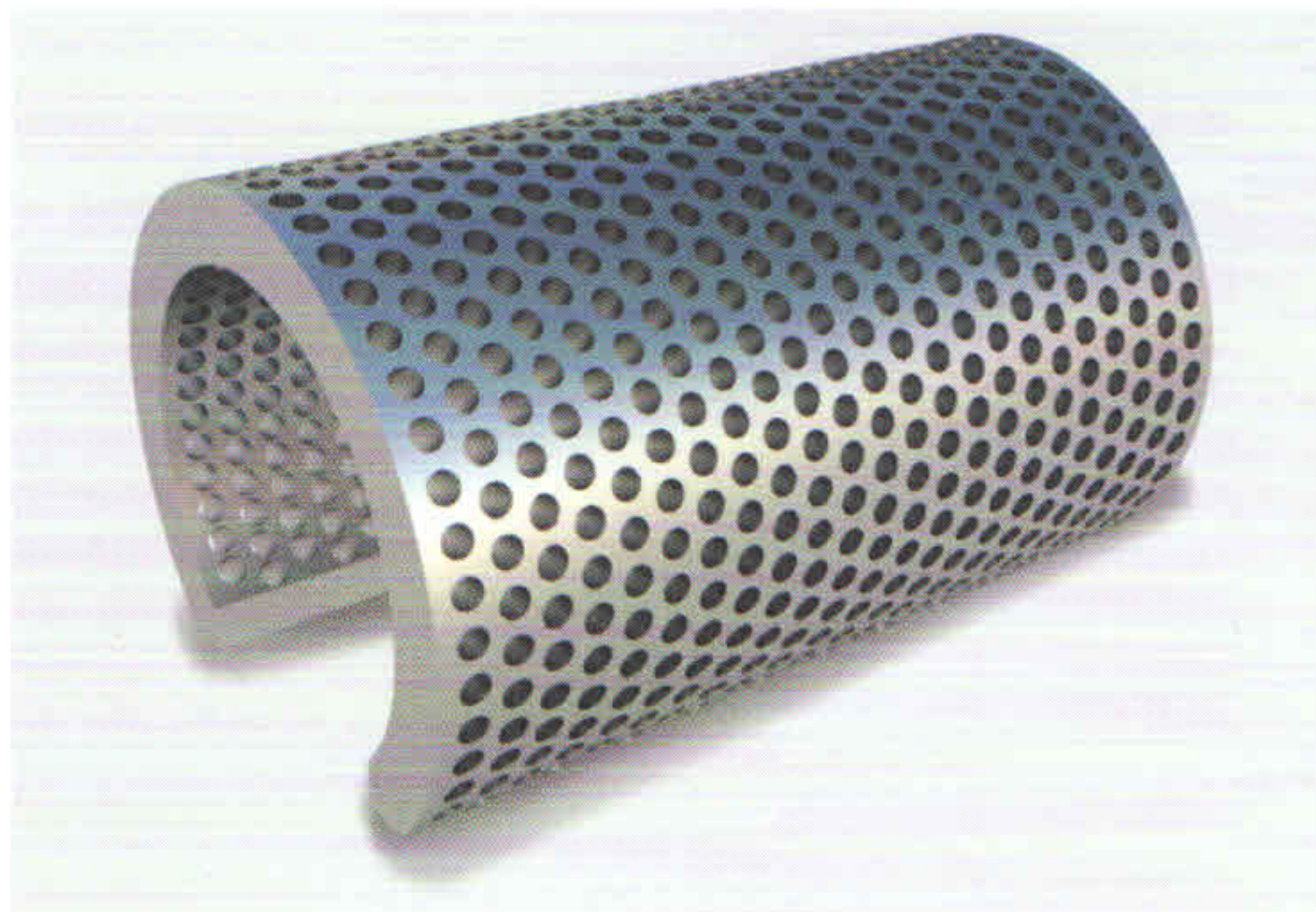
- Flat film
- Foam film
- Blown film
- Sheet
- Pipes
- Profiles
- Blow molding
- Fibers
- Pelletization
- Recycling
- Compounding

Application limits:

Temperature: Up to 350 °C

Operating pressure: 350 bar

Differential pressure: Up to 100 bar



Other CSC variants

- Back-flush
- Candle filter elements
- Diverter valve

Accessories

- Filter screens
- Adapters
- Support frames
- Controls
- Breaker plates
- Safety guards

Technical data:

Screen length:	160 mm to 560 mm
Screen area	2 x 287 cm ² to 2 x 4747 cm ²
Installation:	Compact size, any installation position possible
Technology:	Sturdy and proven double-piston configuration requiring no additional seals

To change the screen, a screen changer piston is moved hydraulically out of the filter housing and the soiled mesh screens are removed, while the other screen changer piston remains in production position. Then new rectangular-cut flat screens are fixed in an arc in clamping grooves and form-fit onto the curved screen plate. The bypass sealing is effected in the same way as with conventional circular CSC screens. When the piston is moved back into the filter housing the screen cavity is preflooded at predetermined positions and vented so that no air penetrates into the melt stream. During the short-time screen change process the melts flows via the remaining screen changer piston, ensuring continuous extrusion.

Size	Throughput* (kg/h) at flux rate approx. 2 kg/h/cm ²	Screen area [cm ²]	Increased screen surface compared to circular CSC screens
096	1148	2 x 287	Ø 96 x 4.0
116	1,660	2 x 415	Ø 116 x 3.9
125	1952	2 x 488	Ø 125 x 4.0
148	2756	2 x 689	Ø 148 x 4.0
176	3928	2 x 982	Ø 176 x 4.0
200	5120	2 x 1280	Ø 200 x 4.1
230	6860	2 x 1715	Ø 230 x 4.1
250	8232	2 x 2058	Ø 250 x 4.2
270	9752	2 x 2438	Ø 270 x 4.3
300	12232	2 x 3058	Ø 300 x 4.3
340	15916	2 x 3979	Ø 340 x 4.4
400	18988	2 x 4747	Ø 400 x 3.8

* Depending on viscosity, filtration grade and degree of soiling.

Options

- Oil, liquid or steam heated
- High-pressure version up to 1000 bar
- High-temperature version up to 450 °C
- Flow channels chromed or nickel plated or with special coating
- Stainless steel execution
- High-pressure breaker plate max. differential pressure 300 bar

maag

filtration systems

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