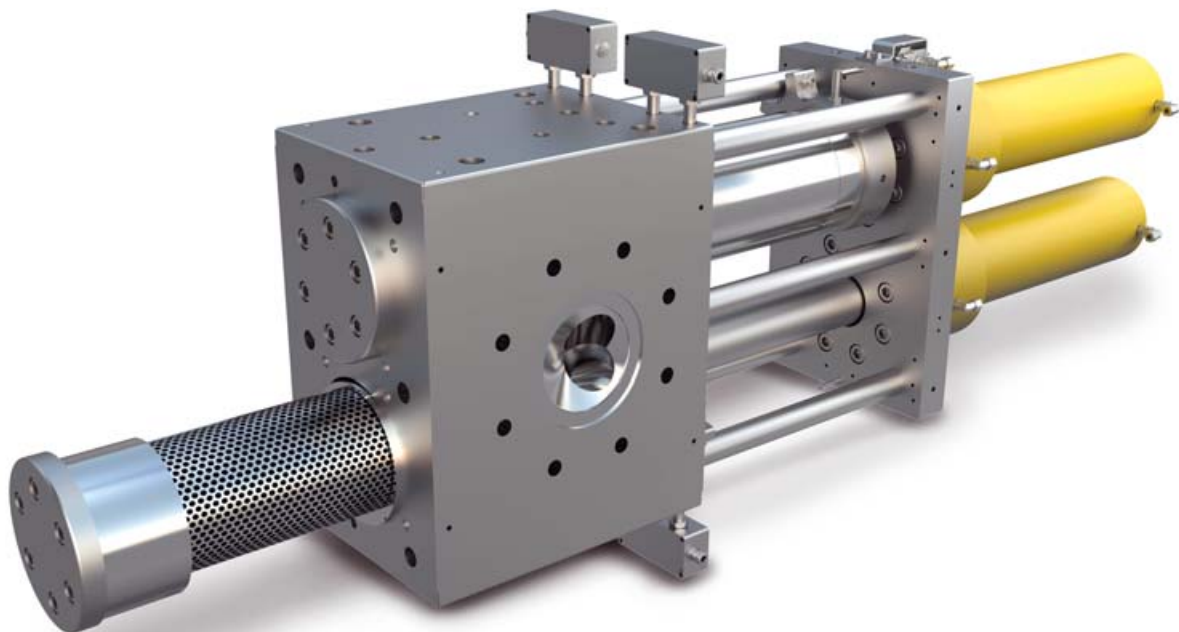


CSC-R

Screen area-optimized continuous screen changer for extrusion



Large-area screen changers from Maag 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

- Up to 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

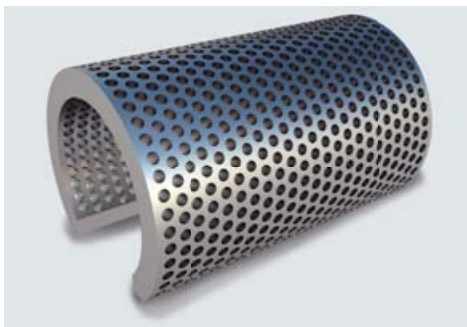
- Flat film
- Foam film
- Blown film
- Sheet
- Pipes
- Profiles
- Blow molding
- Fibers
- Pelletization
- Recycling
- Compounding

Application limits:

Temperature: Up to 350 °C

Operating pressure: 350 bar

Differential pressure: Up to 100 bar



Other CSC variants

- Diverter Valve
- Candle filters
- Arched screens
- Oval screens
- Disk filters
- Basket filters
- Backflush

Accessories

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

Technical data:

Screen length:	96 mm to 560 mm
Screen area	2 x 172 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	CSC-R	
	Screen area [cm ²]	Throughput* (kg/h)
096	2 x 287	3,200
116	2 x 415	4,600
125	2 x 488	5,400
148	2 x 689	7,600
176	2 x 982	10,800
200	2 x 1.280	14,000
230	2 x 1.715	18,900
250	2 x 2.058	22,600
270	2 x 2.438	26,800
300	2 x 3.058	33,600
340	2 x 3.979	43,800
400	2 x 4.747	52,200

*at melt viscosity 1,000 Pas and flux rate 5,5 Kg/h·cm², dependent on filtration grade and degree of soiling.

Options

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