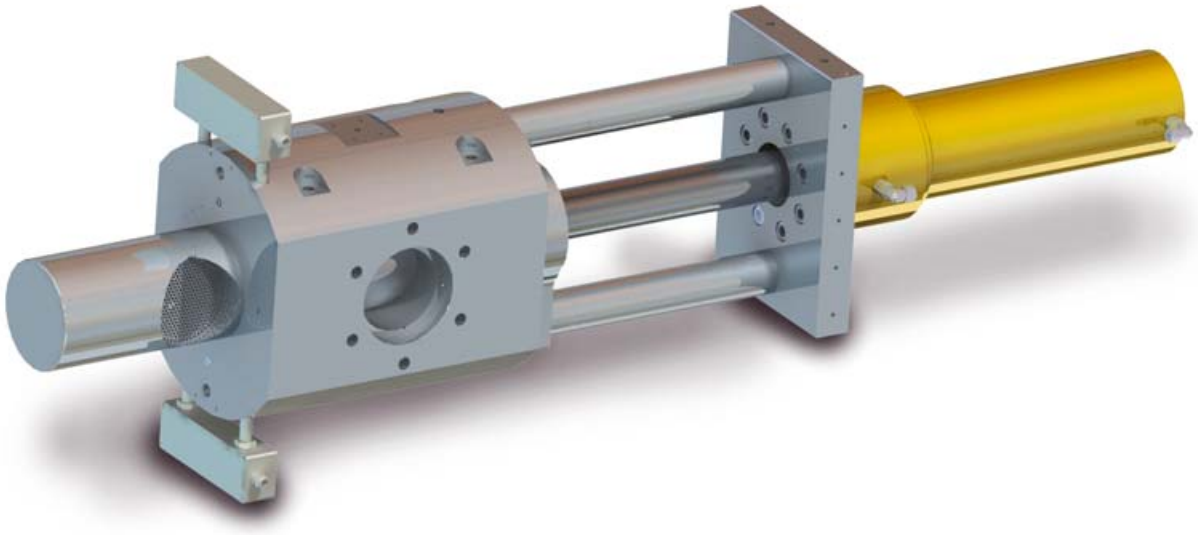
maag
a DOVER company

maag
pump & filtration
systems

C-SSC

Continuous screen changer for extrusion and compounding



The continuous single-piston screen changer from Maag is based on the proven piston design with two screen cavities that operates without any mechanical seals. It sturdy construction, available in all sizes and designs, guarantees reliable and leak-free filtration of polymer melts for many years. An uninterrupted melt stream and an efficient degassing of the screen cavities allow continuous operation without any production interruptions. This screen changer is characterized by highest filtration quality with maximum system availability.

Your benefits

- Continuous plant operation during screen change
- 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

C-SSC

Continuous screen changer for extrusion and compounding

A range of typical applications

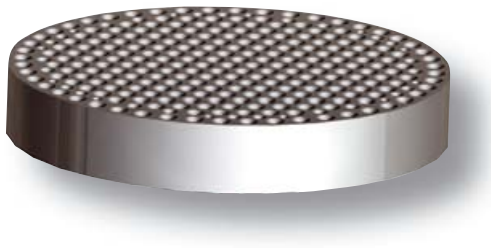
- Flat films
- Foam films
- Blown films
- Plates
- Pipes
- Profiles
- Blow mouldings
- Fibres
- Granulation
- Recycling
- Compounding

Technical specifications:	
Screen diameter:	58 mm to 270 mm
Filtration area:	27 cm^2 to 572 cm^2
Mounting:	Compact mounting dimensions, all positions possible
Technology:	Proven sealless double-piston design

Between inlet and outlet side the melt flows through the screen cavity on the shortest way without any distribution, while the second screen cavity with clean screen mesh is on stand-by outside the material stream.

To change the screen, the stand-by cavity is moved to the production position by means of a hydraulic cylinder and the used screen is positioned outside the housing for cleaning. A simple, effective screen venting process prevents air from being trapped in the melt flow.

Application limits:	
Temperature:	Up to 350 °C
Operating pressure:	350 bar
Pressure differential:	Up to 100 bar



Size	Throughput* [kg/h]	Screen diameter [mm]	Filter area [cm^2]
058	150	1 x 58.3	1 x 27
076	250	1 x 76.3	1 x 45
096	400	1 x 96.3	1 x 72
116	600	1 x 116.3	1 x 106
125	700	1 x 125.0	1 x 123
148	1,000	1 x 148.3	1 x 173
176	1,300	1 x 176.3	1 x 244
200	1,700	1 x 200.0	1 x 314

* at melt viscosity 1,000 Pas and flux rate 5,5 Kg/h·cm^2, dependent on filtration grade and degree of soiling.

Accessories

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

Options

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

Additional C-SSC designs with

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

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Global contacts, see **www.maag.com**
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