



CSC / BF-4F

Backflush screen changer
for maximum screen service life



MAAG Backflush screen changers are based on the proven double-piston design which operates without any mechanical seals and is equipped with four screen cavities. This design is used mainly in recycling applications. Due to its fully automatic backflush function screen service life is maximized and the level of automation of the entire system is increased. Reduced operating costs and an enormous system availability are the main characteristics of this series.

The sturdy construction guarantees reliable and leak-free filtration and backflush performance of polymer melts for many years.

Your benefits

- Multiple screen usage
- Simple operation and uncomplicated control
- High operational reliability
- Short material residence time
- Leak-free mode of operation
- Low pressure consumption
- Flow channel geometry without any dead spots

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A range of typical applications

- Granulation
- Recycling
- Compounding

Options

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



Accessories

- Connection adapters
- Support carriages
- Breaker plates
- Protective devices
- maax® BF control system

Technical specifications:

Screen diameter:	58 mm to 300 mm
Filtration area:	108 cm ² to 2,800 cm ²
Mounting:	Compact mounting dimensions, all positions possible
Technology:	Proven sealless double-piston design

On the inlet side, rheologically-optimized flow channels divide the melt stream to flow into the screen cavities. In the automatic cleaning cycle, contamination is removed from one screen cavity at a time by back-flushing the screen with polymer. During this process, the other three screen cavities remain in the production position providing continuous operation. Screen retainer plates of a special design keep the screens in their position during the backflush process.

Application limits:

Temperature:	up to 350 °C
Operating pressure:	350 bar
Pressure differential:	up to 100 bar (200 bar optional)

Size	Throughput* [kg/h]	Screen diameter [mm]	Filter area [cm ²]
076	325 - 500	4 x 76.3	4 x 45
096	520 - 800	4 x 96.3	4 x 72
116	780 - 1,200	4 x 116.3	4 x 106
125	900 - 1,400	4 x 125.0	4 x 123
148	1,200 - 1,900	4 x 148.3	4 x 173
176	1,750 - 2,700	4 x 176.3	4 x 244
200	2,200 - 3,500	4 x 200.0	4 x 314

* at melt viscosity 1,000 Pas and flux rate 2,75 Kg/h-cm², dependent on filtration grade and degree of soiling.