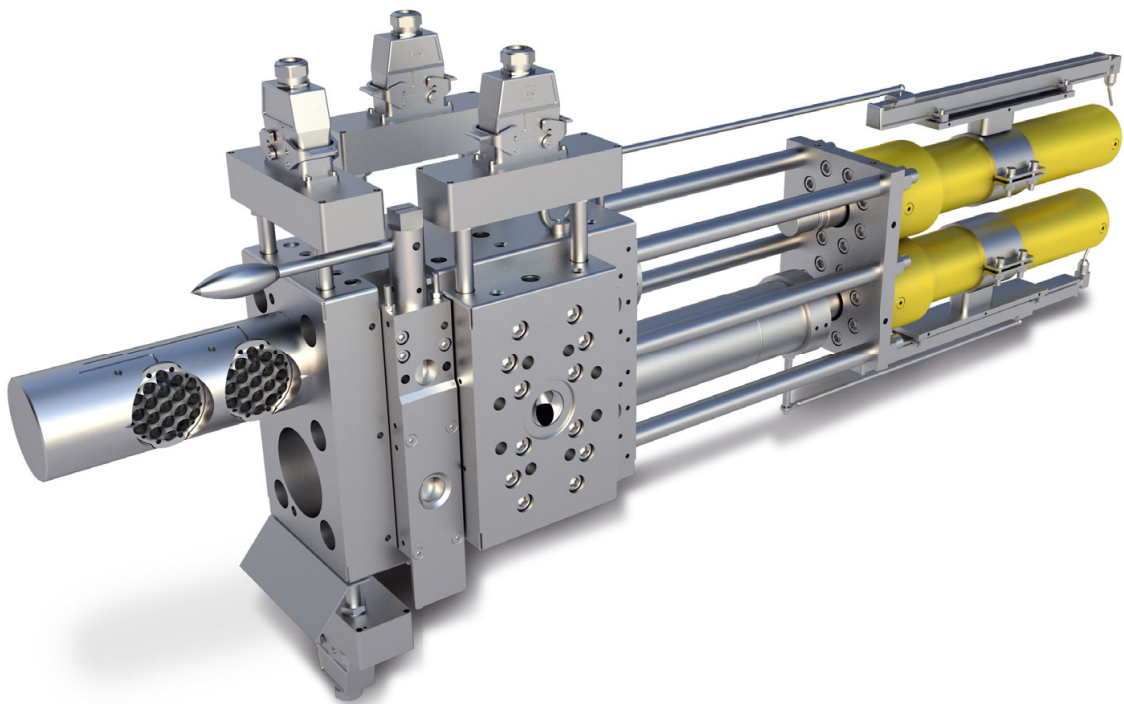




CSC / BF-4F

Backflush screen changer for maximum screen service life



maag pump systems 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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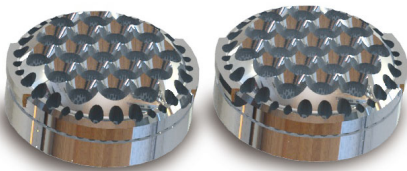
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A range of typical applications

- Flat films
- Foam films
- Plates (Sheets)
- Pipes
- Profiles
- Blow mouldings
- Fibres
- Granulation
- Recycling
- Compounding

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



Accessories

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

Additional CSC designs with

- Candle filters
- Double cavities
- Diverter Valve

Technical specifications:

Screen diameter:	30 mm to 300 mm
Filtration area:	28 cm ² to 2,828 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:	To 350 °C
Operating pressure:	350 bar
Pressure differential:	To 100 bar

Size	Throughput* [kg/h]	Screen diameter [mm]	Filter area [cm ²]
030	90	4 x 30.0	4 x 7
046	220	4 x 46.3	4 x 17
058	340	4 x 58.3	4 x 27
076	600	4 x 76.3	4 x 45
096	940	4 x 96.3	4 x 72
116	1,360	4 x 116.3	4 x 106
125	1,600	4 x 125.0	4 x 123
140	2,000	4 x 140.3	4 x 155
148	2,200	4 x 148.3	4 x 173
176	3,200	4 x 176.3	4 x 244
200	4,000	4 x 200.0	4 x 314
230	5,400	4 x 230.3	4 x 416
250	9,000	4 x 250.0	4 x 491
270	13,000	4 x 270.0	4 x 572
300	16,000	4 x 300.0	4 x 707

* Depending on viscosity, filtration size and degree of contamination.