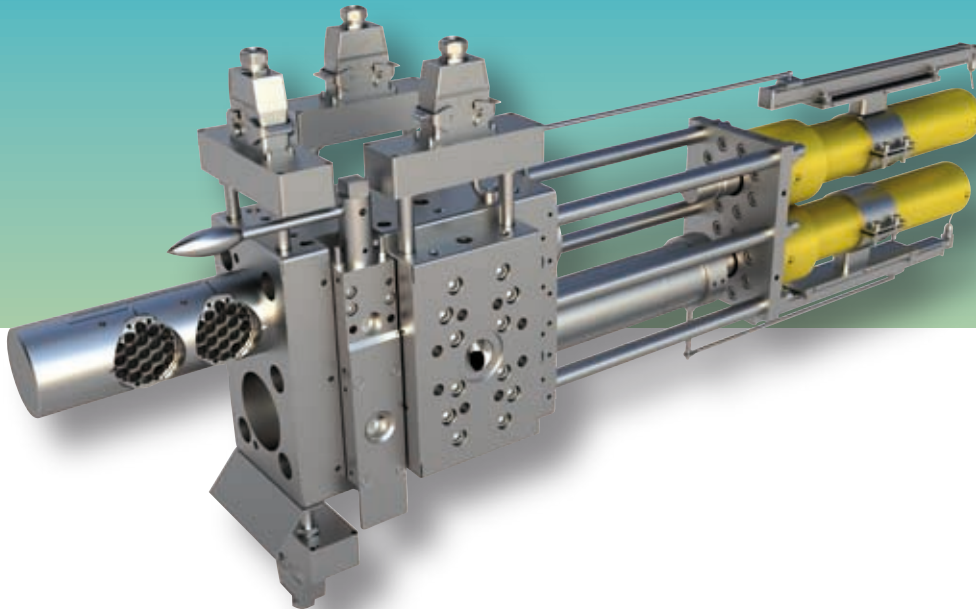


CSC / BF-4F



A range of typical applications:

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

Continuous with automatic cleaning

Maag Pump Systems Backflush screen changers are based on the proven double-piston design which operates without any additional seals and is equipped with four screen cavities. This design is used to process heavily contaminated polymer melts (recycled material).

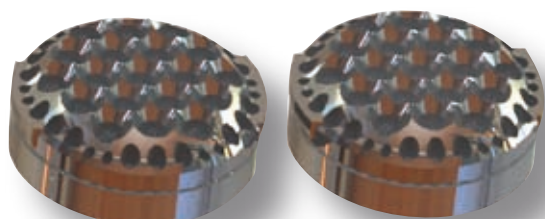
On the inlet side, rheologically-optimised flow channels divide the melt stream to flow into the four screen cavities at equal parts. In the automatic backflush cycle, contamination is removed from one screen cavity at a time by backflushing the screen with polymer. During this process, the other three screen cavities remain in production position providing continuous and process-constant operation. Screen retainer plates keep the screens in their position during the backflush process.

The sturdy construction of these screen changers available in all sizes and designs guarantees reliable and leak-free filtration and backflush performance of polymer melts for many years. Screens (filter cloth) can be used several times in the CSC/BF-4F reducing operating costs significantly.

- 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

Size	Throughput* [kg/h]	Screen diameter [mm]	Filtration area [cm ²]
030	90	4x30.0	4x7
046	220	4x46.3	4x17
058	340	4x58.3	4x27
076	600	4x76.3	4x45
096	940	4x96.3	4x72
116	1,360	4x116.3	4x106
125	1,600	4x125.0	4x123
140	2,000	4x140.3	4x155
148	2,200	4x148.3	4x173
176	3,200	4x176.3	4x244
200	4,000	4x200.0	4x314
230	5,400	4x230.3	4x416
250	9,000	4x250.0	4x491
270	13,000	4x270.0	4x572
300	16,000	4x300.0	4x707

* depending on viscosity, filtration size and degree of contamination



Application limits:

Temperature: to 350 °C

Operating pressure: 350 bar

Pressure differential: to 100 bar

Technical specifications:

Screen diameter: 30 to 300 mm

Filtration area: 28 to 2,828 cm²

Mounting: compact mounting dimensions,
all positions possible

Technology: proven sealless double-piston
design

Accessories:

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

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
- High-pressure breaker plate, max. pressure differential 300 bar

Additional CSC designs with:

- Candle filters
- Double cavities
- Diverter Valve

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