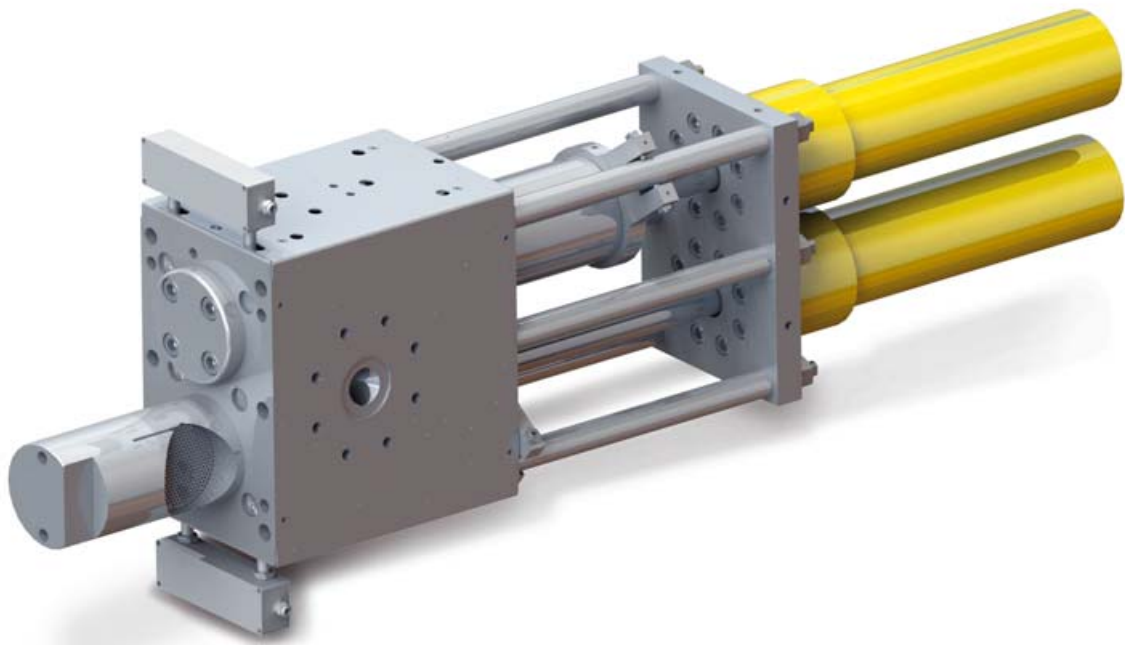


CSC-DV

Double piston screen changer with integrated diverter valve



The Maag double-piston screen changer of the CSC-DV series is based on the proven piston design which requires no additional seals. This start-up screen changer combines all functions of a diverter valve and a continuous double-piston screen changers in a single compact unit. This results in a smaller installation dimensions and corresponding shorter residence time of the melt and lower heating requirements making this series to one of the most efficient machines in terms of capacity, spatial requirement, and heating.

Your benefits

- Cost-efficient start-up function
- Simple operation with uncomplicated screen change
- High operational reliability
- Short material residence time
- Leak-free mode of operation
- Low pressure consumption
- Flow channel geometry without any dead spots

CSC-DV

Double-piston screen changer with integrated diverter valve

A range of typical applications

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

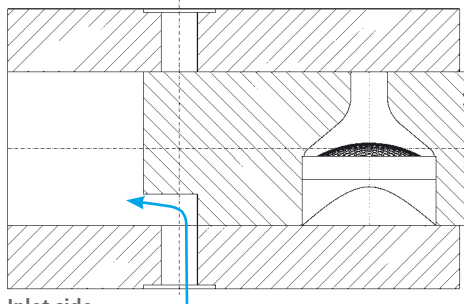
Application limits:

Temperature: To 350 °C

Operating pressure: 350 bar

Pressure differential: To 100 bar

Outlet side



Inlet side

Pistons in start-up (divert) position, start-up melt is diverted

Additional CSC designs with

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

Accessories

- Connection adapter
- Support carriages
- Controls
- Breaker Plates
- Protective devices

Technical specifications:

Screen diameter: 30 mm to 400 mm

Filtration area: 14 cm² to 2,512 cm²

Mounting: Compact mounting dimensions, all positions possible

Technology: Proven sealless double-piston design

On the inlet side, rheologically optimized flow channels divide and distribute the melt stream to flow into the screen cavities at equal parts. When the production line is started, one of the pistons closes its flow channel inside the filter housing while the other one remains in the start-up position. In this way, the start-up melt is directed outside the screen changer through the housing bore until the molten plastic has reached the required production quality. The two pistons are then moved into their production position and the melt is filtered.

Options

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

Size	Throughput* [kg/h]	Screen diameter [mm]	Filter area [cm ²]
030	80	2 x 30.0	2 x 7
046	190	2 x 46.3	2 x 17
058	300	2 x 58.3	2 x 27
076	500	2 x 76.3	2 x 45
096	800	2 x 96.3	2 x 72
116	1,200	2 x 116.3	2 x 106
125	1,400	2 x 125.0	2 x 123
148	1,900	2 x 148.3	2 x 173
176	2,700	2 x 176.3	2 x 244
200	3,500	2 x 200.0	2 x 314
230	4,600	2 x 230.3	2 x 416
250	5,400	2 x 250.0	2 x 491
270	6,300	2 x 270.0	2 x 572
300	7,800	2 x 300.0	2 x 707
340	10,000	2 x 340.0	2 x 908
400	14,000	2 x 400.0	2 x 1,256

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