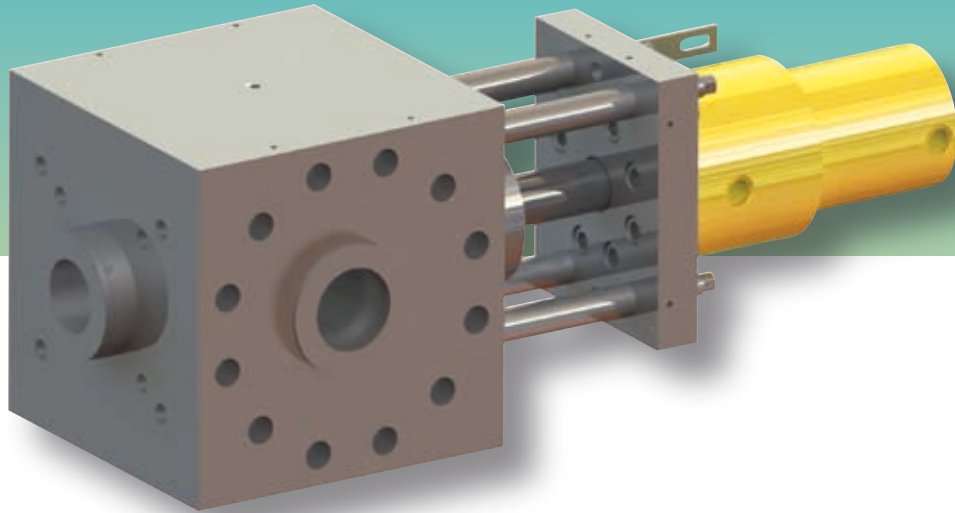


DV



A range of typical applications:

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

Continuous start-up

Maag Pump Systems Diverter Valves are based on the proven single-piston design that operates without any additional seals. Their sturdy construction, available in all sizes and designs, guarantees reliable and leak-free operation for many years.

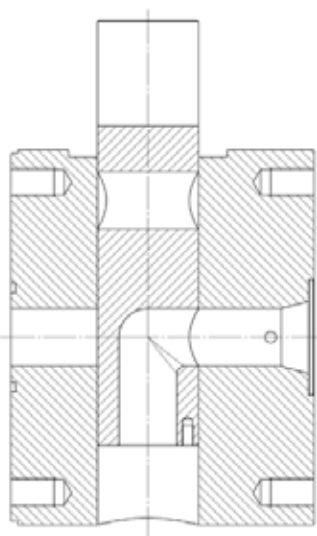
In normal production mode, melt flows into the rheologically optimized inlet and straight through the piston and housing. In divert mode, the piston is moved by means of a hydraulic cylinder, diverting the flow to the end of the piston, where it is discharged. The mode change takes only a fraction of a second, so there is no interruption of the melt flow, i.e. the mode of operation is continuous.

In critical, e.g. highly-filled polymer melt applications, the hydraulic system could be completed with an anti-blocking mode (ABM). With this technology, a short movement of the piston is initiated regularly at adjustable intervals and piston strokes. This has no influence on the polymer flow, but initiates a regular replacement of the polymer lubricant film and thus prevents any blockage of the piston even after several weeks of production.

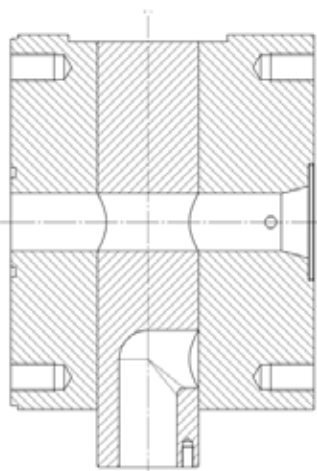
- Simple operation
- Uncomplicated switchover
- High operational reliability
- Short material residence time
- Leak-free mode of operation
- Low pressure consumption
- Flow channel geometry without any dead spots

Size	Throughput* [kg/h]	Channel diameter [mm]
025	to 100	25
040	to 1,100	40
050	to 2,000	50
060	to 3,000	60
080	to 6,000	80
090	to 8,000	90
100	to 10,000	100

*depending on viscosity



Start-up position



Production position

Application limits:

Temperature: to 350 °C

Operating pressure: 500 bar

Pressure differential: -

Technical specifications:

Channel diameter: 25 to 100 mm

Mounting: compact mounting dimensions, all positions possible

Technology: proven sealless single piston design

Accessories:

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

Options:

- Oil, liquid or steam-heated
- High-temperature version up to 450 °C
- Chromed, nickel-plated or specially-coated flow channels
- Stainless steel design

Other DV designs:

- as a 3 or 4-way valve

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