

## DSC classic, PE and R

Single piston screen changer for  
extrusion and compounding applications



Discontinuous DSC screen changers from MAAG with their robust and leak-free operation meet highest quality standards with respect to melt filtration. Due to their constantly improved functionality continuous screen changers from MAAG increase product quality significantly. DSC screen changers are based on the proven single-piston design that operates without any additional seals. Their sturdy construction available in all sizes and designs guarantees a reliable and leak-free filtration of polymer melts for many years.

### Your benefits

- Simple operation and uncomplicated screen changing
- High operational reliability
- Short material residence time
- Low pressure consumption
- Flow channel geometry without any dead spots
- Classic-Design as low viscosity feature available
- PE-Design: up to 2x more filtration area - more flexibility in handling with fillers
- R-Design: up to 4x more filtration area

# DSC classic, PE und R

## Single piston screen changer for extrusion and compounding

### A range of typical applications

- Flat films
- Foam films
- Plates (Sheet)
- Pipes
- Profiles
- Fibers
- Pelletizing
- Edge off-cut recycling
- Compounding
- (Master-)batch processes

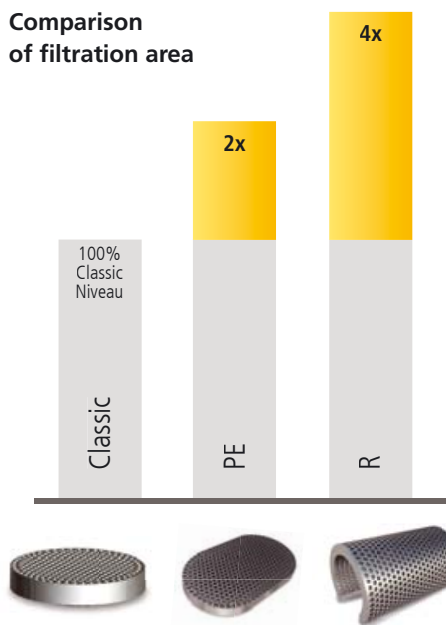
### Accessories

- Connection adapters
- Protective devices
- Support carriages
- Control systems
- Breaker plates and packages

### Options

- Oil, liquid or steam-heated
- High-pressure version up to 700 bar
- High-temperature version up to 350 °C
- Flow channels chromed, nickel-plated or special-coated
- Stainless steel design
- High-pressure breaker plate with max. 200 bar differential pressure (classic and PE version only)

### Comparison of filtration area



### Technical specifications:

<b>Screen diameter:</b>	76 to 200 mm
<b>Filtration area:</b>	72 to 1386 cm <sup>2</sup>
<b>Mounting:</b>	Compact mounting dimensions, all positions possible
<b>Technology:</b>	Proven sealless double-piston design

### Application limits:

<b>Temperature:</b>	up to 350 °C
<b>Operating pressure:</b>	500 bar
<b>Pressure differential:</b>	up to 200 bar

DSC classic	Throughput* [kg/h]	Screen diameter [mm]	Filtration area [cm <sup>2</sup> ]
<b>076</b>	60 - 120	1 x 76	1 x 45
<b>096</b>	100 - 200	1 x 96	1 x 72
<b>116</b>	250 - 450	1 x 116,3	1 x 106
<b>125</b>	400 - 550	1 x 125,0	1 x 123
<b>148</b>	500 - 750	1 x 148,3	1 x 173
<b>176</b>	700 - 1.200	1 x 176,3	1 x 244
<b>200</b>	1.000 - 1.300	1 x 200,0	1 x 314

DSC PE	Throughput* [kg/h]	Screen diameter [mm]	Filtration area [cm <sup>2</sup> ]
<b>096</b>	400 - 500	1 x 96 x 156	1 x 130
<b>116</b>	450 - 650	1 x 116 x 190	1 x 191
<b>125</b>	600 - 800	1 x 125 x 206	1 x 224
<b>148</b>	750 - 1.100	1 x 148 x 244	1 x 314

DSC R	Throughput* [kg/h]	Screen diameter [mm]	Filtration area [cm <sup>2</sup> ]
<b>096</b>	650 - 800	1 x 103 x 160	1 x 329
<b>116</b>	750 - 1.200	1 x 131 x 190	1 x 498
<b>125</b>	1.100 - 1.400	1 x 135 x 205	1 x 554
<b>148</b>	1.300 - 1.600	1 x 163 x 244	1 x 798

\* Depending on viscosity, screen fineness and contamination type.