

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 and 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

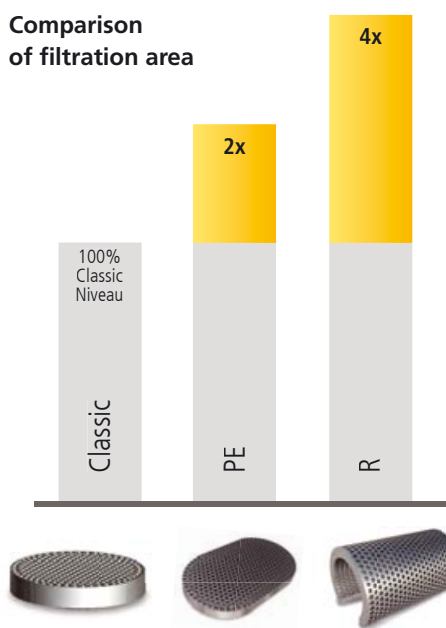
Accessories

- 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)
- Low viscous version for HMA and R-PET processing (temperature range up to 280°C and viscosities higher than 5 Pas)

Comparison of filtration area



Technical specifications:

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

Application limits:

Temperature:	up to 350 °C
Operating pressure:	500 bar
Pressure differential:	up to 200 bar

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

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

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

* Depending on viscosity, screen fineness and contamination type.

