MAAG Group
a DOVER company

PUMP & FILTRATION SYSTEMS ›

CSC classic, PE and R

Double piston screen changer for extrusion and compounding

MAAG

Continuous CSC 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. CSC screen changers are based on the proven double-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 melt 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

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A range of typical applications

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

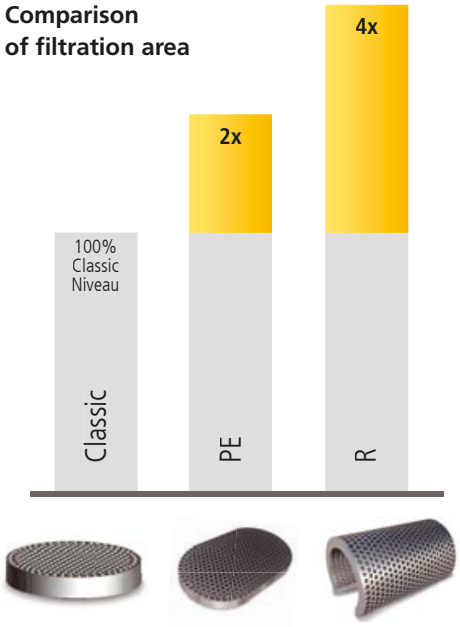
Accessories

- 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:	90 to 1596 cm²
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

CSC classic	Throughput*	Screen diameter	Filtration area
076	120 - 300 [kg/h]	2 x 76 mm	2 x 45 [cm²]
096	300 - 500 [kg/h]	2 x 96 mm	2 x 72 [cm²]
116	400 - 600 [kg/h]	2 x 116,3 mm	2 x 106 [cm²]
125	450 - 1.000 [kg/h]	2 x 125,0 mm	2 x 123 [cm²]
148	500 - 1.400 [kg/h]	2 x 148,3 mm	2 x 173 [cm²]
176	760 - 1.800 [kg/h]	2 x 176,3 mm	2 x 244 [cm²]
200	1.000 - 2.200 [kg/h]	2 x 200,0 mm	2 x 314 [cm²]

CSC PE	Throughput*	Screen diameter	Filtration area
096	530 - 850 [kg/h]	2 x 96 x 156 mm	2 x 130 [cm²]
116	770 - 1.450 [kg/h]	2 x 116 x 190 mm	2 x 191 [cm²]
125	1.000 - 2.100 [kg/h]	2 x 125 x 206 mm	2 x 224 [cm²]
148	1.100 - 3.200 [kg/h]	2 x 148 x 244 mm	2 x 314 [cm²]

CSC R	Throughput*	Screen diameter	Filtration area
096	830 - 1.650 [kg/h]	2 x 103 x 160 mm	2 x 329 [cm²]
116	1.050 - 3.100 [kg/h]	2 x 131 x 190 mm	2 x 498 [cm²]
125	1.580 - 4.100 [kg/h]	2 x 135 x 205 mm	2 x 554 [cm²]
148	3.100 - 7.700 [kg/h]	2 x 163 x 244 mm	2 x 798 [cm²]

* Depending on viscosity, screen fineness and contamination type.

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