MAAG Group
a DOVER company

RECYCLING SYSTEMS ›

BRF

Continuous melt filtration system ensures consistent quality in many applications

MAAG

The BRF series offers continuous filtration for materials up to 3 percent by weight of contamination. BRF ensures consistent quality across common polymers like LDPE, LLDPE, HDPE, PP, PS, ABS, and more–even with varying contamination levels and mineral content.

Your benefits

- Robust and economical disc screen available
- Suitable for mineral contaminants
- Controlled dirt discharge for a safe process environment
- Flexible application options thanks to different screen fineness grades
- Innovative integrated control unit for user-friendly operation
- Seamless, future-proof integration - full compatibility with other MAAG systems
- Trusted leading supplier for filter systems

BRF

Basic filter system for continuous melt filtration ensures consistent quality in many applications

Application areas

- Packaging film
- Bottle flakes
- Detergent containers
- Battery housings
- Base plates
- Agricultural sheeting

Technical data:	BRF 50	BRF 60	BRF 70
Screen diameter:	500 mm	600 mm	700 mm
Screen area:	1,876 cm^2	2,733 cm^2	3,739 cm^2
Screen fineness grades:		150 µm – 2,000 µm	
Max. pressure:	200 bar	200 bar	200 bar
Max. Differential pressure:	100 bar	100 bar	100 bar
Max. temperature:	300 °C	300 °C	300 °C
Throughput:	up to 1,600 kg/h – depending on type of application	up to 3,000 kg/h – depending on type of application	up to 4,200 kg/h – depending on type of application
Dimensions L x W x H:	1,032 x 2,900 x 2,420 mm*	1,132 x 2,900 x 2,420 mm*	1,222 x 2,900 x 2,370 mm*
Extruder heights:	1,000 – 1,375 mm	1,000 – 1,375 mm	1,050 – 1,425 mm
Weight:	approx. 3,000 kg	approx. 3,500 kg	approx. 4,000 kg

* at extruder height of 1,100 mm

Easily adjustable to changing requirements

The melt entering the filter system is guided through rheologically optimized flow ducts onto a screen disc and passes through the holes in the disc. Contaminants are retained on the disc, immediately removed by a rotating scraper, and directed to the controlled discharge system.

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