

RECYCLING SYSTEMS >



## BRF

Basic model for continuous melt filtration  
in modern plastics recycling



The BRF is the entry-level model for continuous filtration technology. Its effective melt flow combined with an optimized discharge system ensures high quality in processing all common polymers including LDPE, LLDPE, HDPE, PP, PS, ABS, etc. with low to high contamination levels. Thanks to their robust screens, the new continuous melt filters of the BRF series also make a major contribution to cutting operating costs in day-to-day production - especially when processing melts with mineral components.

### Your benefits

- Robust screens for longer life
- Also suitable for mineral contaminants
- Controlled dirt discharge in a safe process environment
- Flexible application options based on different screen fineness grades
- Innovative control unit for user-friendly operation

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## Application areas

- Packaging film
- Bottle flakes
- Food packaging
- Detergent containers
- Bags
- Pipes
- Batteries
- Vehicle bumpers
- Base plates
- Agricultural sheeting

Technical data:	BRF 50	BRF 60
<b>Screen diameter:</b>	500 mm	600 mm
<b>Screen area:</b>	1,876 cm <sup>2</sup>	2,733 cm <sup>2</sup>
<b>Screen fineness grades:</b>	300 + 400 µm, other sizes on request	
<b>Max. pressure:</b>	200 bar	200 bar
<b>Max. Differential pressure:</b>	100 bar	100 bar
<b>Max. temperature:</b>	300 °C	300 °C
<b>Throughput:</b>	up to 1,600 kg/h - depending on type of application	up to 3,000 kg/h - depending on type of application
<b>Dimensions L x W x H:</b>	1,130 x 2,700 x 2,670 mm*	1,230 x 2,900 x 2,600 mm*
<b>Extruder heights:</b>	1,000 - 1,375 mm	1,000 - 1,375 mm
<b>Weight:</b>	approx. 3,200 kg	approx. 3,500 kg

\* at extruder height of 1,100 mm

**» More sizes will follow**

The melt entering the filtration system is fed through rheologically optimized flow ducts onto a screen disk, and passes through the conical holes in the disk. Any contaminants are trapped on the disk, and are immediately removed by a rotating stripper and routed to the controlled discharge system.

