

# Bristol

Breathe pure air



Product Program | Technical Data  
Electrostatic and mechanical filters

# Individual and modular filters. For compelling and flexible solutions.

For air volumes from 300 to 3000 m<sup>3</sup>/h we use high performance, compact individual filters. Given that they only need 0.23 to 0.88 m<sup>2</sup> of set-up space, they can be installed on or next to any type of machine tool, device or system without taking up too much room.

If higher levels of separation power are required due to extreme particle pollution, all electrostatic individual filters are also available as tandem filters with two ionisation/collector cells or in combinations with mechanical after filters. To install individual island solutions and centralised systems, we

use modular filters, which are flexible in terms of design and mounting. Our experience and know-how also allow us to align the pipeline system with your building technology. Planning and implementation are provided from a single source. For higher availability levels of the filter units and the production resources, we recommend the flexible and fast Bristol-CleanService.



Modular filter B 3500 EFM – the powerful basis for island solutions and centralised systems up to 42000 m<sup>3</sup>/h.



Electrostatic individual filter B 1000 EFN. Efficient and compact after filter for centrifugal separators.



For extreme particle pollution – tandem individual filter B 1800 EFT for higher separation levels.

All Bristol filters are sturdy and oil leak proof; the performance and efficiency of the components have been optimised.

Bristol's modular filters are designed to work as a flexible toolbox system. Ionizer and collector are separate units.

Individual solutions | Island solutions  
Central systems

# Electrostatic and mechanical air filters.

## An overview of the key technical data.

	Electrostatic individual filters EF and modular filters EFM						
	B 500 EF	B 1000 EF	B 1800 EF	B 2000 EF	B 3000 EF	B 2200 EFM	B 3500 EFM
Air volume m <sup>3</sup> /h	to 500	to 1000	to 1800	to 2000	to 3000	from 2000	from 3000
Output power kW	0.2	0.3	1.1	0.75	1.5	See design	See design
Connected load V/Hz	230/50	230/50	400/N/50	400/N/50	400/N/50	See design	See design
Space m <sup>2</sup> from-to	0.23-0.3	0.35-0.68	0.49-0.82	0.45-0.8	0.65-0.88	0.3-0.9	0.46-1.39
Weight in kg from-to	50-55	70-80	180-200	160-185	200-240	50	70
Ionizers/collectors ea.	comb. 1 or 2	comb. 1 or 2	comb. 1 or 2	sep. 1 or 2	sep. 1 or 2	sep. 1 or 2	sep. 1 or 2
Application kV	7	7	12 / 6	12 / 6	12 / 6	12 / 6	12 / 6
Filter surface m <sup>2</sup>	3	6	11,5	15	26	15-180	26-312
Cell weight kg	5	9	17	23	37	23	37
Noise level db	65	65	67	72	72	See design	See design

All individual and modular filters are also available as mechanical filters MF and MFM with oil resistant Class F9 filter cells. Available as tandem filter EFT version with two ionizer/collector cells or in combination with a mechanical after filter. Individual filters B 500, B 1000 and B 1800 are available as vertical after filters EFN and EFNT for centrifuge separators. All individual filters can be used for air direction horizontal left/right or right/left or as after filters in vertical bottom to top format. All filters can be adapted to the country specific connecting voltages. The complete technical data for every type of filter can be found in the "Technical Data Sheets" on [bristolfilter.de](http://bristolfilter.de).

Consistent pressure reduction means consistent streaming speeds – this is one of the superior features of electrostatic filters.

Bristol's individual and modular filters achieve superior energy efficiency levels thanks to intelligent drive and control concepts.

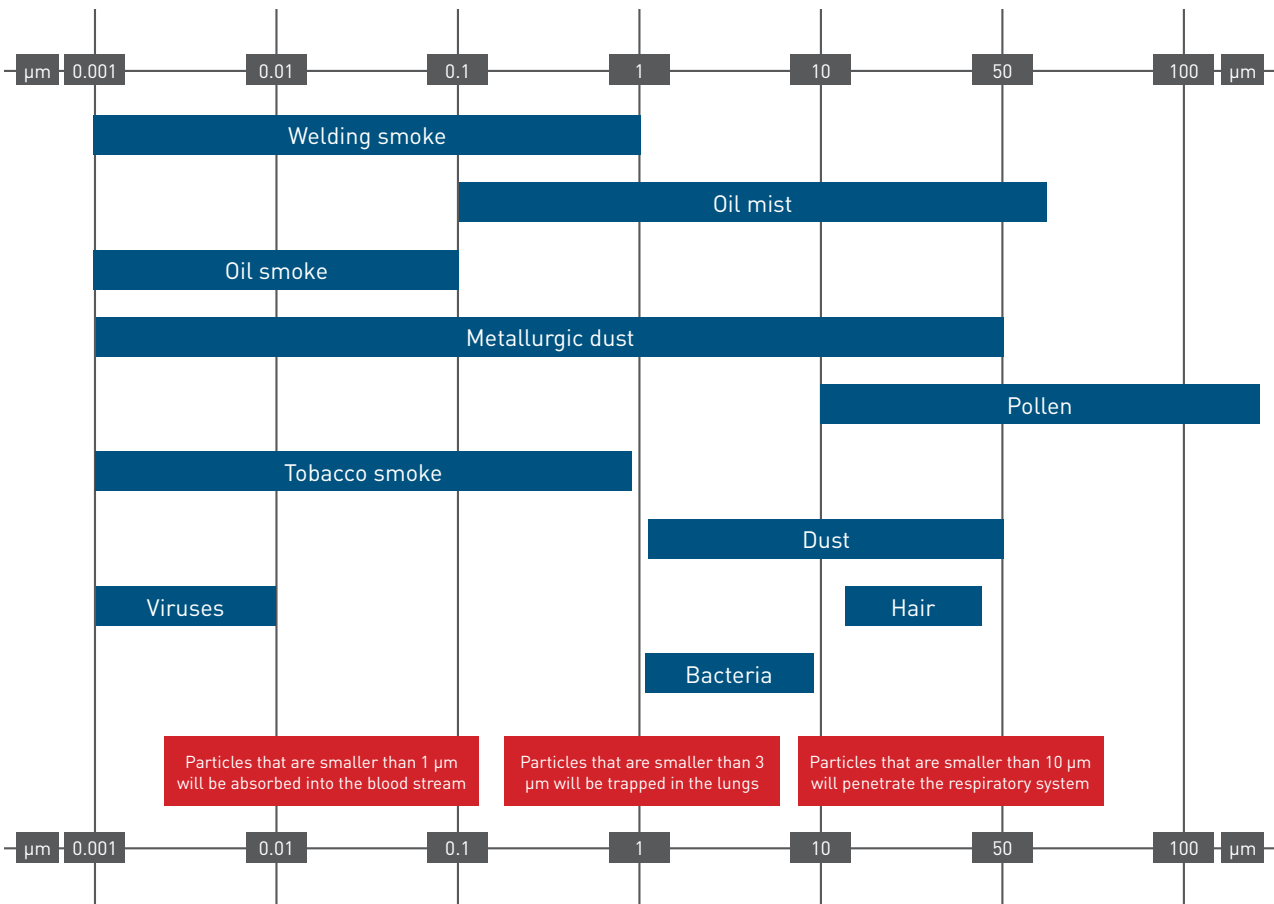
All accessories required for custom designs are part of our permanent product portfolio.



Design electrostatic filter B 1000 EF  
Air direction horizontal from left to right:

- 1 Inlet port, 2 Baffle plate, 3 Pre-filter stainless steel mesh, 4 Ionizer/collector cell (2 each in tandem models), 5 After filter stainless steel mesh, 6 Control unit

# Whatever pollutes the air in your production facility – Bristol offers optimal filter solutions.



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If you have technical or service related questions, we will be pleased to assist you. Please contact our Project Management or Service Department directly.

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**Electrostatic air filters**  
**Mechanical air filters**  
**Complete solutions | Service**

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