



For air volumes of 300 up to 1800 m³/h we manufacture efficient and super compact individual filter units. Saving space with a small footprint, they can be installed on or next to any type of machine, device or system. For higher separation performance with extreme particle loads, all individual filter units are available as tandem unit with two filter stages, or as a combination of electrostatic stage with mechanical post-filter.

The Series B500 is well-suited for small tooling machines. With a footprint of only 0.1 m², it is highly flexible. Designs for energy efficient and powerful filtration of particles down to 0.1 µm from air volumes of approx. 300 to 500 m³/h.

Ideal for oil smoke as well as oil and emulsion mist.



// Principle and equipment example of an electrostatic filter unit
B 1000 EF (example)
horizontal air direction left to right

1 air inlet, 2 baffle plate, 3 pre-filter stainless steel mesh, 4 combined ionization / collector cell (2x at Tandem -> 2 stage design), 5 after filter stainless steel mesh, 6 control unit

		B 500 MF C	B 500 EF C	B 500 EFT
Air Volume	Up to m ³ /h	500	500	500
Air Pressure	external Pa	150	150	150
Power Consumption	kW	0,2	0,2	0,2
Air Intake	Ø mm	Flange 370 x 260	Flange 370 x 260	Flange 370 x 260
Length	mm	272	272	272
Depth	mm	380	380	380
Height	mm	490	490	750
Weight approx.	Filter unit only kg	29	32	37
Ionizer / Collector	Qty. / Type	-	1 Combined Cell	2 Combined Cells
Current actuation	kV	-	12	12
Plate Space	mm	-	6	6
Filter Surface	m ²	2,5	3	2 x 3
Dimensions Filter Cell	W/H/D mm	255 x 375 x 96	255 x 375 x 210	255 x 375 x 210
Weight Filter Cell	kg	-	5	2 x 5
Noise Level	db	67	65	65
Mechanical Filter Cell	Filter class standard	F9	-	-

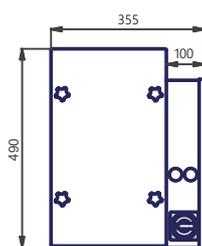
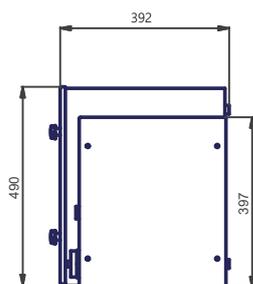
If you have any further question about filter classes and types, applications, services and project-specific quotations, we are happy to support you.

Contact us by phone
+49 (0) 9868 9826 0

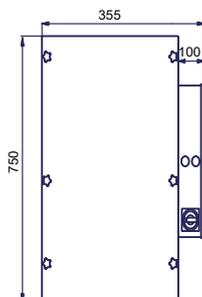
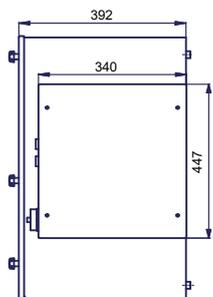
Or send us an email via
info@bristolfilter.de

// CUSTOMIZED

- Air direction either horizontally left to right, right to left, or vertical.
- Adaptation of country-specific supply voltages for all filter units.
- Customer-specific special designs for air inlet or filter fitting possible.



// Front and side view
B 500 EF C - individual filter unit



// Front and side view
B 500 EFT C - individual filter unit
(2-stage-design)

// Electrostatic Air Filter Units - Mechanical Air Filter Units Complete Solutions - Service