

# „DAVID“

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## ENF



## Electrostatic Afterfilters for Centrifugal Oilfog Eliminators



## Electrostatic afterfilters for centrifugal oilfog eliminators

Modern cutting fluids in today's machining processes cause more and finer sub-micron particles. This may necessitate the addition of secondary filtration to centrifugal oil mist collectors. Oil mist and smoke particles, which may be carried over from the primary centrifugal filter, can be reliably collected by an electrostatic afterfilter.

For this application we have developed a range of electrostatic afterfilters, which are ready to fit to FILTERMIST oil mist collectors.

Adopting individual fitting dimensions, diameters and air volumes such afterfilter can also be used elsewhere.

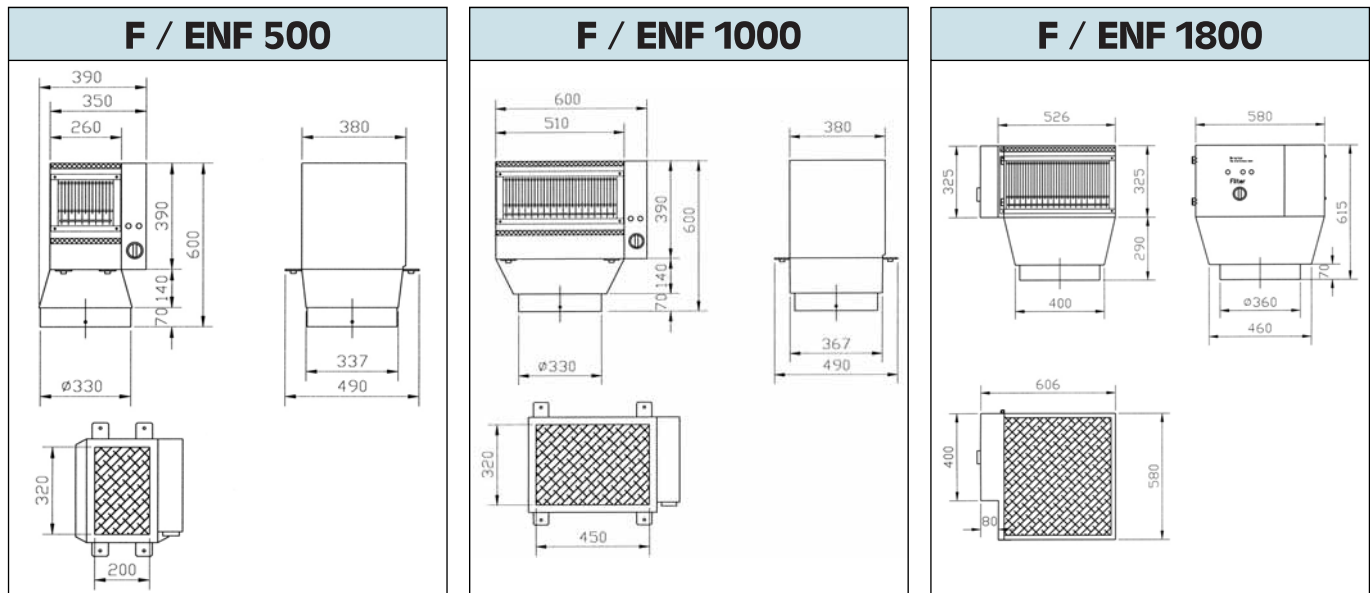
All data shown below refer to the dimensions and airflows of FILTERMIST units and the electrostatic afterfilter dimensions correspond to these units.

It is also possible for the basic electrostatic unit to be used on similar applications or as an independent filter. If there is a need to remove gaseous elements from the airstream, a charcoal filter element can be added but this will cause some reduction in the airflow because of the additional resistance of this filter material.

**Main technical datas:**

Technical values		<b>F / ENF 500</b>	<b>F / ENF 1000</b>	<b>F / ENF 1800</b>
Dimensions				
Height	mm	600	600	615
Width (seen from door side)	mm	390	600	616
Depth	mm	380	380	580
Fitting to diameter (to be co-ordinated with individual customer)	mm	330 Ø	360 resp. 330 Ø	360 Ø
Weight	kg	36	45	50
Standard powdercoat		RAL 7035 light grey or to specification		
Fitted with elements		<ul style="list-style-type: none"> <li>- 20 mm stainless steel wire mesh</li> <li>- Combined Ion./coll. „DAVID“ electrostatic cell</li> <li>- 20 mm stainless steel wire mesh afterfilter</li> </ul>		<ul style="list-style-type: none"> <li>- Baffle plate pre-absorber</li> <li>- 30 mm stainless steel wire mesh</li> <li>- Combined ion./coll. „Super-DAVID“ electrostatic cell</li> <li>- 20 mm stainless steel wire mesh afterfilter</li> </ul>
Voltage		230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Power		70 W	70 W	70 W
Destined for max. air volume	m <sup>3</sup> /h	500	1.000	1.800
Filter area	m <sup>2</sup>	3	6	11,5
Air velocity	m/s	2,5	2,2	2,4

Technical and dimensional changes reserved



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