



High Capacity Collecting Unit

## Medtrading Ceiling Unit Complete

### Product description

Suspended ceilings can often be found in companies, hospitals, schools and more. Medtrading Ceiling unit Complete can easily be installed above these suspended ceilings, whereby the unit that collects the air contaminations will replace a standard ceiling tile.

The Medtrading Ceiling unit Complete is suitable for end-of-pipe filtration: purifying ventilated air before it reaches the room.

The collectors (particle filters) and the optional Active Carbon Filter are located in the outlet and can easily and quickly be replaced. The outlet takes the place of a standard ceiling grid.

### Benefits

- Equal to HEPA purification
- Energy savings due to low pressure drop
- More effective for fine particulate matter than F or G textile/paper filters [for e.g. traffic air pollution]
- Cleaner Air Handling Unit shafts compared to using traditional filters
- No risk of fungal growth and mold like in textile/paper filters.
- Safe and easy replacement of saturated collectors by anyone
- Hidden from view
- Sound production is dampened by ceiling
- Does not take up space in the room

### Product details

<b>Power</b>	Variabel vanaf 14 W
<b>Efficiency</b>	99 %
<b>Ceiling tile size</b>	600 x 600 mm
<b>Connection ends air cleaner</b>	Flanged tube Ø125 - 250 mm internal
<b>Connection ends plenum(s)</b>	Ø125 - 250 mm external tube
<b>Materials</b>	Galvanised steel
<b>Air cleaning technology</b>	Ionisation, odor reduction with Active Carbon
<b>Power input</b>	~230 V/ 50 - 60 HZ also available for ~110 V
<b>Colours</b>	White (RAL 9010)
<b>Installation</b>	Above a suspended ceiling
<b>Regulation</b>	Central
<b>Control</b>	Air flow activated
<b>Excluding</b>	Connection accessories incl flexible tube, mounting brackets and material

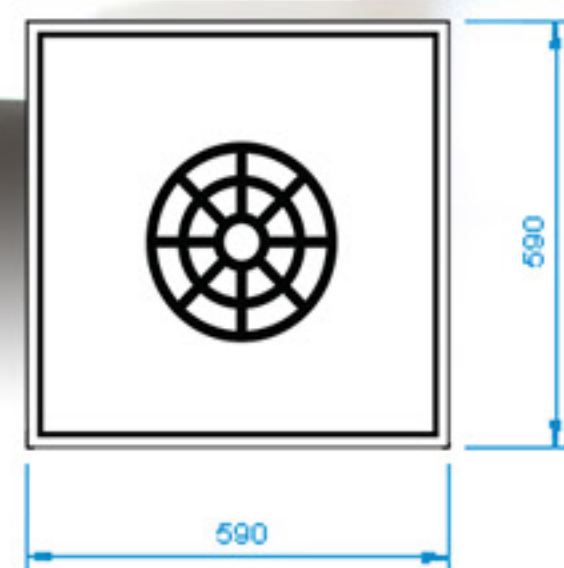
#### Suggested customizations

Custom RAL colour coating and/or custom material (outlet)

	 Medtrading Ceiling Unit Complete 1/modular	 Medtrading Ceiling Complete 2/recirculation
<b>Order code</b>	11020	11021
<b>Number of outlets</b>	1 High capacity outlet	2 High capacity outlet
<b>Recommended max. air flow</b>	600 m <sup>3</sup> / h per unit (available up to 3,000 m <sup>3</sup> / h)	600 m <sup>3</sup> / h per unit (available up to 3,000 m <sup>3</sup> / h)
<b>Pressure drop</b>	11 - 22 Pa	11 - 22 Pa
<b>Standard collectors</b>	1 or more Collectors	1 or more Collectors
<b>Including</b>	1 Plenum, 1 high capacity outlet, Collector Kit Ceiling 1, 2 connection pieces, 2 flange clamps	2 Plenums, 2 high capacity outlets, Collector KIT Ceiling 2, 2 connection pieces, 2 flange clamps
<b>Excluding</b>	Connection accessories incl flexible tube, mounting brackets and material	Connection accessories incl flexible tube, mounting brackets and material

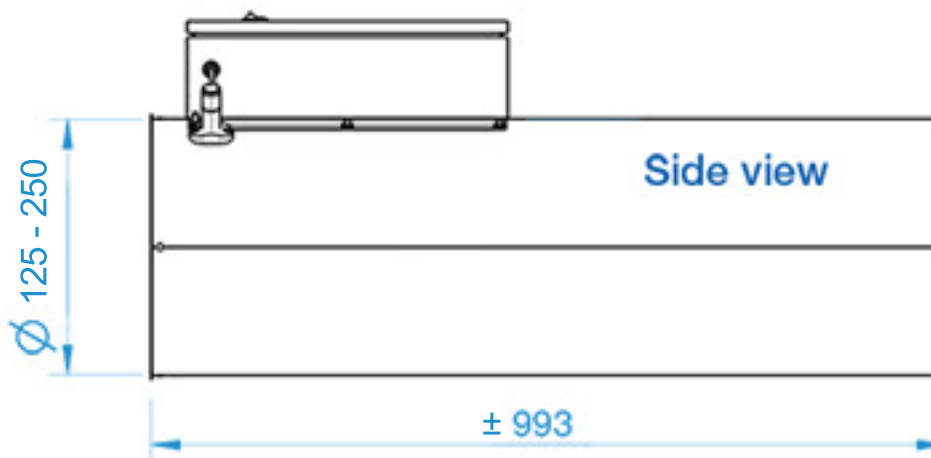
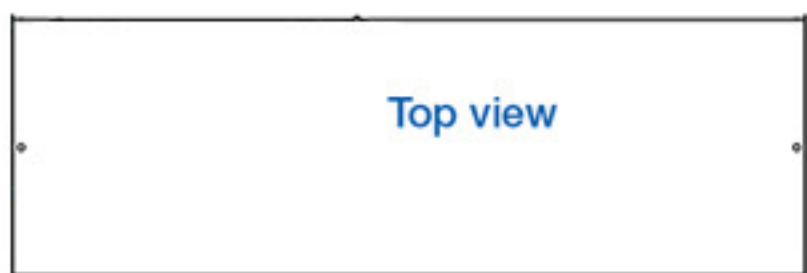


### Product sizes [mm]

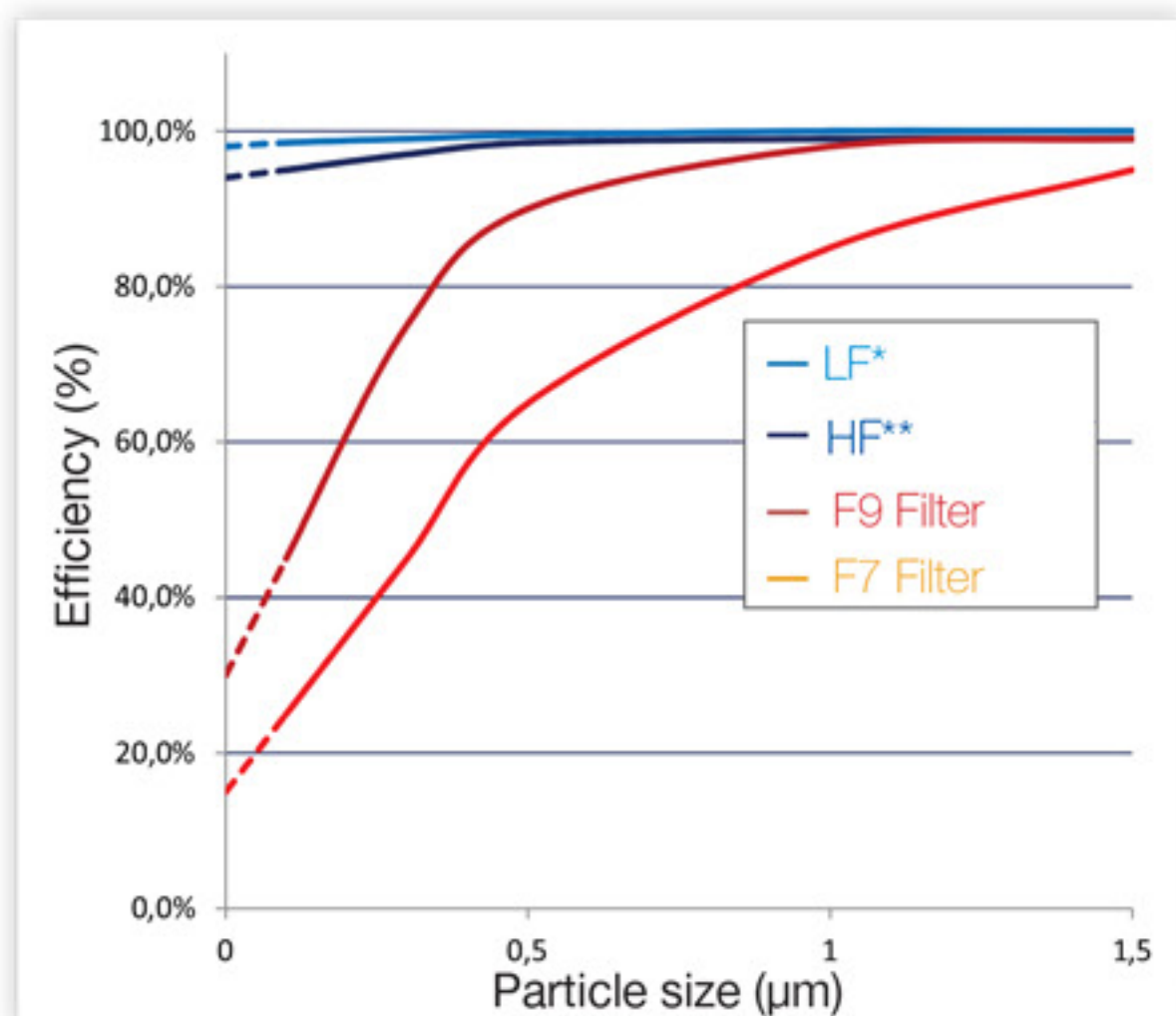


Product size [mm] unit 1

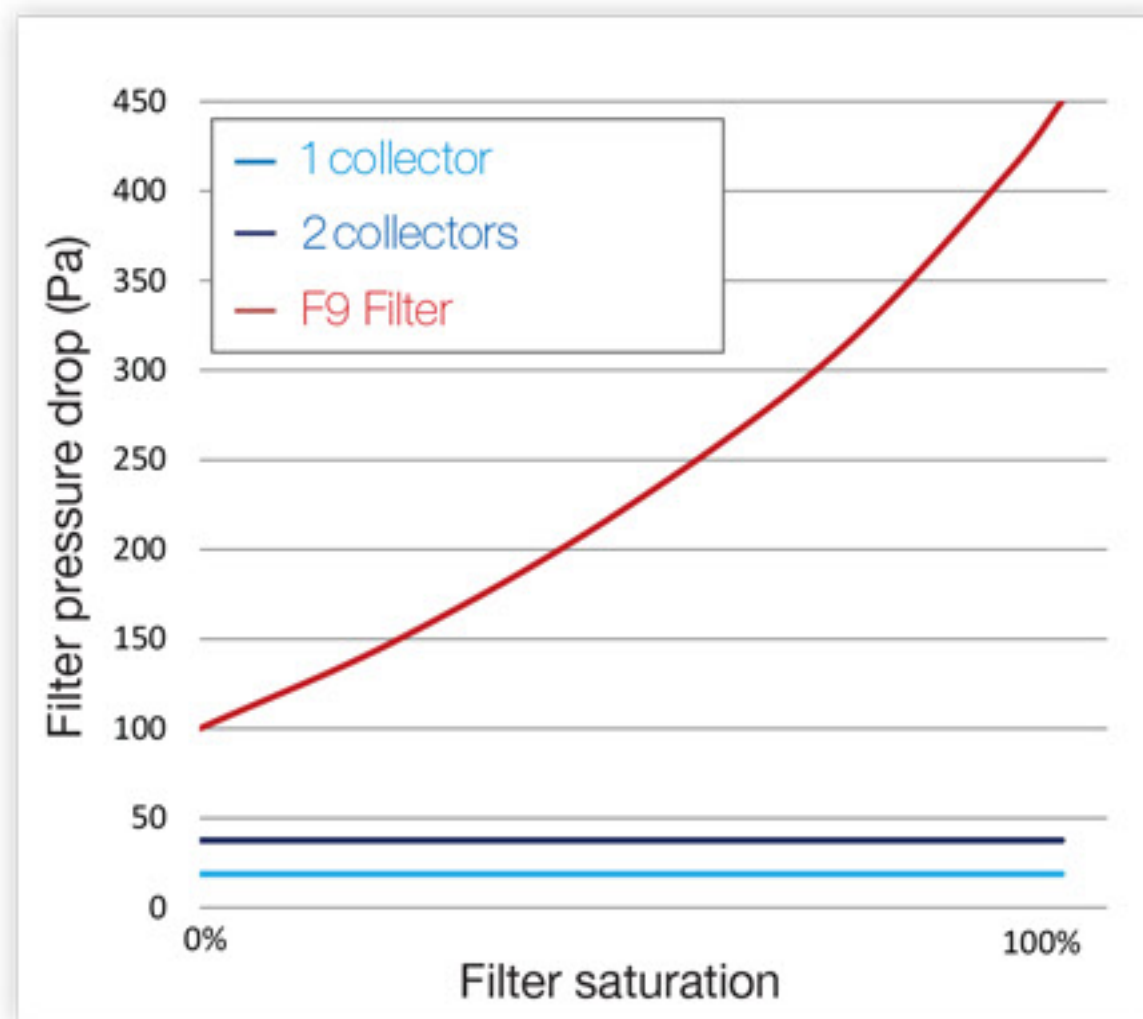
Product size [mm] unit 2



### Initial filter efficiency per particle size



### Effect of filter saturation on pressure drop



The smaller the particle, the more harm it can cause to your health. Our collectors are not only efficient for large particles, but are also very efficient for the smallest particles as opposed to conventional F9 and F7 filters.

Every extra Pa results on average in an energy cost increase of €1,- per year. Our collectors are subject to a very low pressure drop and provide an energy cost reduction compared to using conventional F9 filters.

\* LF= efficiëntie bij lage air flow \*\* HF= efficiëntie bij hoge air flow