

Manufacturer's declaration

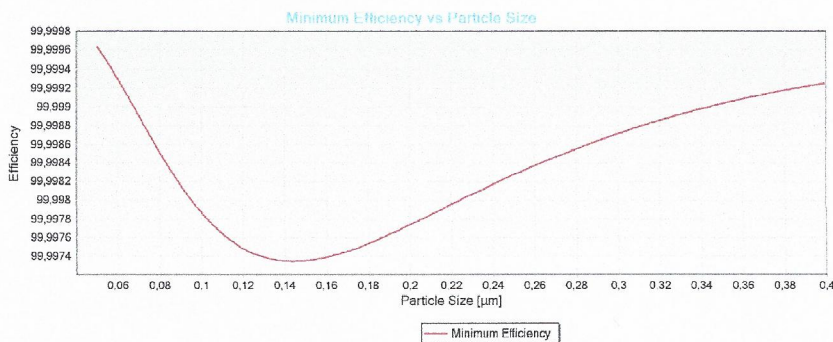
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Efficiency of Toul's air flow devices to prevent Corona

Toul Meditech have been working for several years with clean air solutions using HEPA filtration which pay an important role in preventing air borne contamination.

Toul's products Operio and SteriStay uses HEPA filtration of class 14 which has an efficiency of at least 99.995 % to filter particulates of sizes less than 0,18 µm. Operio and SteriStay has an air velocity of 400 m3/h and a MPPS (Most Penetrating Particle Size) of 0,145 µm at that speed. See the graph below:

Filter Performance



Filter Class	H14
MPPS	0,145 µm
Minimum Efficiency	99,99734 %
Typical Efficiency	99,99938 %
Efficiency at	0,3 µm
Minimum Efficiency	99,99871 %
Typical Efficiency	99,99967 %

The graph shows that viruses of a size of 0,05-0,15 µm will be captured in the filter efficiently. The Corona virus is known to have a size of approximately 0,1 µm. Also, since the air circulation is continuously ongoing, particulates will be reduced each time it passes the HEPA filter.

Together with other practices to avoid contamination, the use of Operio and SteriStay together with the sterile shield will efficiently filter viruses of sizes 0,05-0,15 µm and is recommended to use as one solution in the fight against Corona spreading in health care facilities.

The manufacturer has risk analysed the use of Operio and SteriStay and have found no further risks as long as the instructions in the Operator's manual are followed.

It is the conclusion of the manufacturer that Operio and SteriStay are efficient air flow devices to use for minimizing the spread of air borne contamination, including viruses such as Corona.

Tomas Hansson
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