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M-steryl

M-steryl is a mask decontamination solution using the Ecosteryl dry heat method. The Covid-19 health pandemic has demonstrated the importance of using masks. This resulted in a considerable plastic waste increase. With M-steryl, this waste is limited by reusing, up to 4 times, your mask safely.



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Reuse before disposing



For who?

M-steryl is useful where many masks are used: hospitals, nursing homes, companies, shops, public services...



Decontamination capacities

2100 surgical masks per day (based on 12 cycles and 35 small boxes containing 5 masks each)

or

1440 FFP2 / KN95 masks (based on 12 cycles and 24 medium boxes containing 5 masks each)

or

864 shell masks per day (based on 12 cycles and 12 large boxes containing 6 masks each)

Process

Each decontamination cycle lasts 2 hours (handling included) and follows those 3 steps:

- 1) Masks are placed by the user in his individual box.
- 2) Boxes are placed in the machine and the cycle is started.
- 3) Users retrieve their box at the end of the cycle.

From start to end, boxes remain close.

Masks decontamination is guaranteed (min $6\log_{10}$) as well as breathability and filtration preserved.

This dry heat decontamination process does not use water or any other chemicals.

References about Ecosteryl

