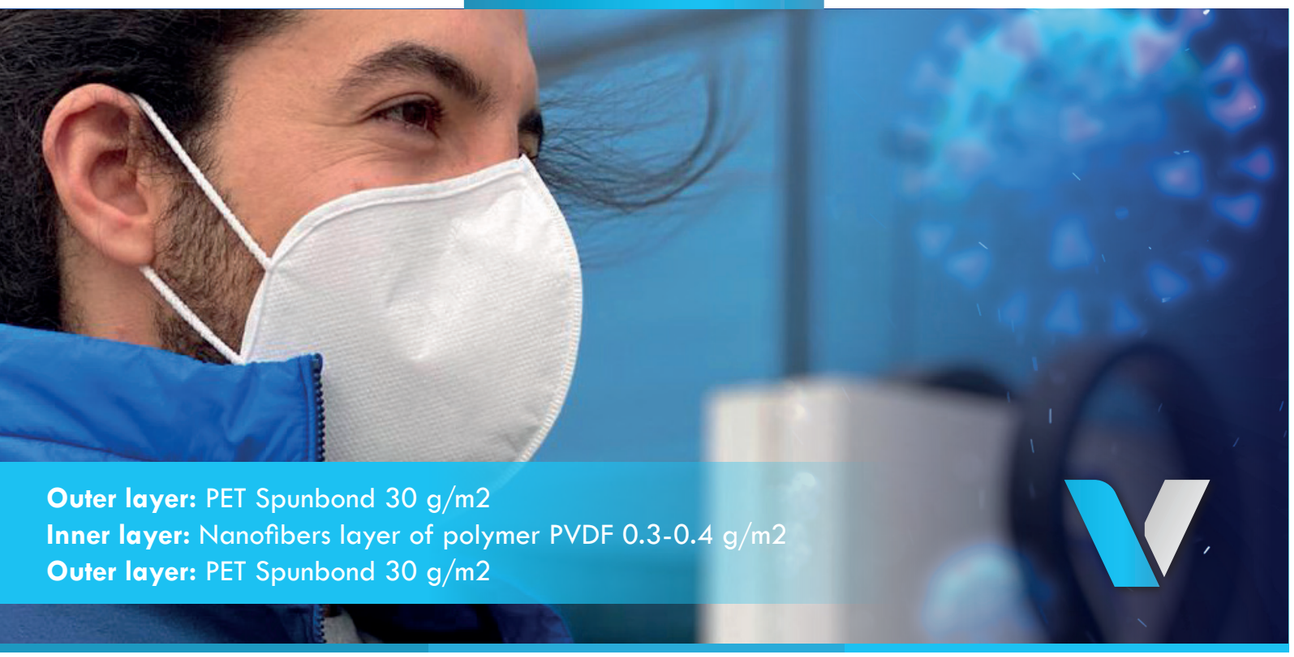
INOFILTER nanofibertechnology

inovenso innovative engineering solutions

INOFILTER V®



VIRAL FILTRATION EFFICIENCY

VFE+99%

High Efficiency

+99 Viral Filtration Efficiency

Patented Technology

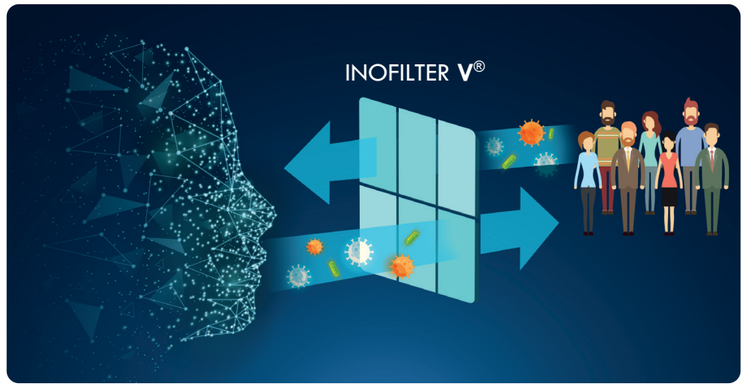
The filtration media is produced using a patented novel technology "**Hybrid Electrospinning**".

Replacing Meltblown Materials

The structure of nanofiber media makes them a unique material for fine dust particles, aerosols, bacteria or viruses.

Innovative Materials

The nanofiber membranes are considered to be the next generation filtration media, due to their high efficiency. Large corporates are looking into incorporating them in their products range.

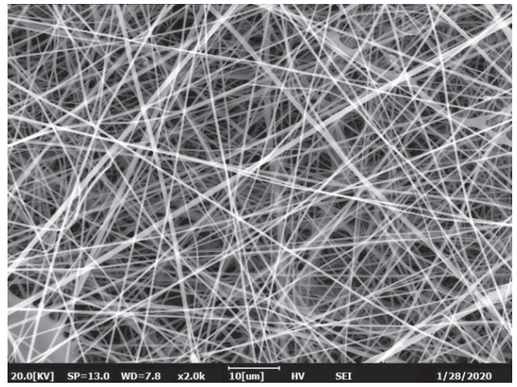


- The VFE test is performed at **Nelson Labs USA**.
- The test procedure was adapted from ASTM F2101.
- The challenge organism used was the bacteriophage ***phiX174***.

TECHNICAL FEATURES

- Low breathing resistance.
- Perfect protection from airborne bacteria and viruses.
- **99,9%** viral filtration efficiency.
- Resistant against liquids like blood, oil etc.
- Inofilter blocks viruses and bacteria during inhalation and exhalation.
- High efficient mechanical filtration.

SEM image of the Nanofiber membrane



Fiber Diameter (µm)		
Average	Std Dev	Median
0,224 0	,106 0	,210 7