M.R.D.

BACTERIAL VIRAL FILTER

For Pulmonary Function Testing equipments

In the presence of daily statements about the transmission of diseases, breathing through a medical instrument has become a concern. The possibility of cross infections between patients has made it a necessity to etablish new methods to protect patients and equipments.

NeumoFilt® Ergo

NeumoFilt® Ergo

NeumoBit

NeumoClip

The **NeumoFilt® Ergo** turns into an important part of your laboratory, ensuring the realization of tests without risk of contamination.

M.R.D.

Medical Respiratory Devices, S.L.

Bacterial-viral filters, nose clips and rubber mouthpieces for respiratory functional testing equipment manufacturer
SGS certified company according to ISO 13485 Medical Devices

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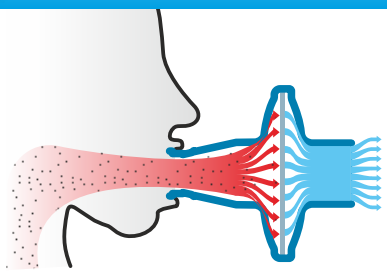
NeumoFilt® Ergo

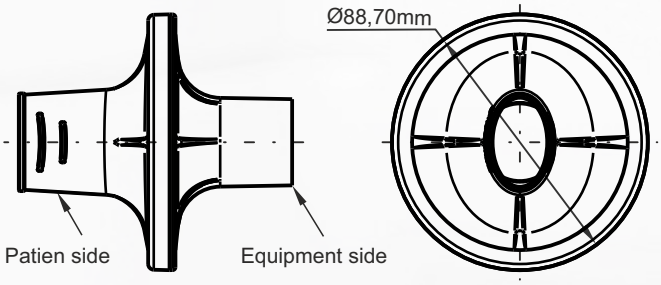
The **NeumoFilt® Ergo** filter has been designed to reach an extreme level of filtration efficency against virus and bacteria, combined with the highest anatomical patient comfort. The filtration material has proved an efficency level without precedents with a low resistance against air flow.
BFE and VFE has been certified by the Health Protection Agency (UK) Laboratory.



NeumoFilt® Ergo

Usable for different techniques:
Spirometry, Flow volumen curves, Single breath diffusion DLCO,
FRC rebreathing, lung volumes, N2 washout, lung volumes. Bodyplethismography. Airway resistance Compliance.

- Extremly high Bacterial/Virus filtration efficency
- Low air flow resistance
- Low deadspace
- Integrated anatomical mouthpiece for adults and childrens

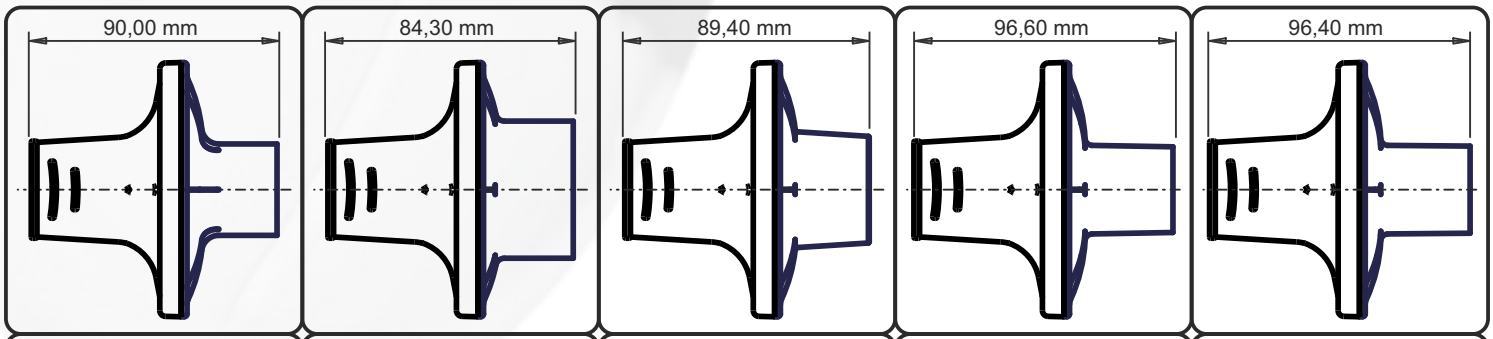


- BFE (at 55L/min.): 99,99994 % (5 minutes test)
- BFE (at 750L/min): 99,9923 % (5 minutes test)
- VFE (at 55L/min.): 99,9913 % (5 minutes test)
- VFE (at 750L/min.): 99,9776 % (5 minutes test)
- Air flow resistance: < 1.50 cmH2O l/s at 14 l/s
- Deadspace: 70 ml
- Patients: Adults and Children

BFE= Bacterial filtration efficency

VFE= Virus filtration efficency

The NeumoFilt® Ergo is available in the following variants:



Variants 1532	Variants 1533	Variants 1534	Variants 1535	Variants 1536
inside Ø30mm	inside Ø45,5mm	inside Ø34mm	inside Ø27,6mm	inside Ø28,6mm
outside Ø32mm	outside Ø48mm	outside Ø37,5mm	outside Ø30,4mm	outside Ø30,9mm

NeumoFilt® Ergo Product certified as class IIa according to EU Regulation 2017/745 for medical devices

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Latex free

FDA 510(K) Approval as a Medical Device

CE 1639

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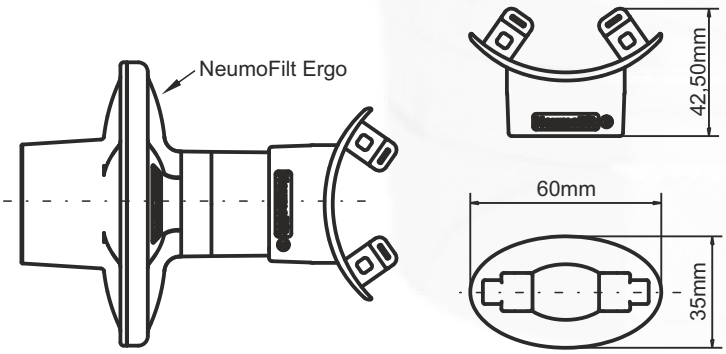
NeumoBit

NeumoBit is a rubber mouthpiece specially design to use with NeumoFilt Ergo. It is made from an high plea

Characteristics:

- Weight: 10 gr.
- Material: Elastomero.
- Box Qty: 100 Units



NeumoClip

The **NeumoClip** nose clip is easy to use and with a pleasant touch. Its design performs a fundamental function in achieving perfect occlusion of the nostrils, offering superior grip without losing comfort.

Characteristics:

- Weight: 5 gr.
- Material: Polypropylene
- Box Qty.: 100 Units.

NeumoBit and NeumoClip Class I product according to EU Regulation 2017/745 for medical devices

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Delivery Options - Models

NeumoFilt® Ergo

- Unitary packaging
- Box qty.: 100 units.
- Box dimensions: 58x26x36 cm
- Aprox. Box weight: 3,5 Kg.
- Boxes per Pallet: 30
- Pallet dim.:120x80cm. H.: 2m.

NeumoBit

- Box Qty: 60 units
- Box dimensions: 30x19x12 cm
- Aprox. Box weight: 1 Kg.
- Boxes per Pallet: 180
- Pallet dim.: 120x80cm. H.: 2m.

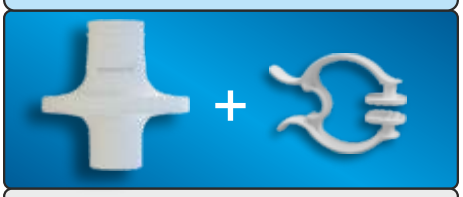
NeumoClip

- Box Qty: 100 units
- Box dimensions: 30x19x12 cm
- Aprox. Box weight: 5701 gr.
- Boxes per Pallet: 180
- Pallet dim.: 120x80cm. H.: 2m.

NeumoFilt® Ergo Pack Confort

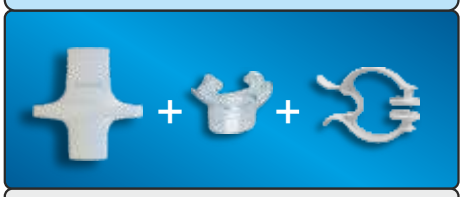
- Unitary packaging
- Box qty.: 90 units.
- Box dimensions: 58x26x36 cm
- Aprox. Box weight: 3,8 Kg.
- Boxes per Pallet: 30
- Pallet dim.:120x80cm. H.: 2m.

NeumoFilt® Ergo Pack Plus



- Unitary packaging
- Box qty.: 100 units.
- Box dimensions: 58x26x36 cm
- Aprox. Box weight: 3,7 Kg.
- Boxes per Pallet: 30
- Pallet dim.:120x80cm. H.: 2m..

NeumoFilt® Ergo Pack Confort Plus



- Unitary packaging
- Box qty.: 80 units.
- Box dimensions: 58x26x36 cm
- Aprox. Box weight: 3,9 Kg.
- Boxes per Pallet: 30
- Pallet dim.:120x80cm. H.: 2m.

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