

# 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 establish 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.

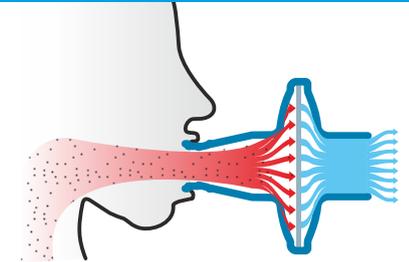
 **M.R.D.**  
Medical Respiratory Devices, S.L.



## NeumoFilt® Ergo

The **NeumoFilt® Ergo** filter has been designed to reach an extreme level of filtration efficiency against virus and bacteria, combined with the highest anatomical patient comfort. The filtration material has proved an efficiency 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

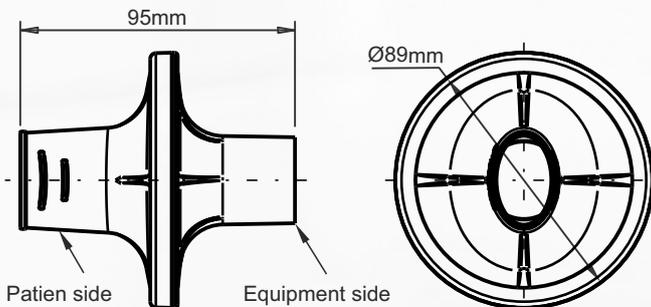


- Extremely high Bacterial/Virus filtration efficiency
- Low air flow resistance
- Low deadspace
- Integrated anatomical mouthpiece for adults and childrens

### Usable for different techniques:

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

- 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 efficiency  
VFE= Virus filtration efficiency

The NeumoFilt® Ergo is available in the following variants:

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

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



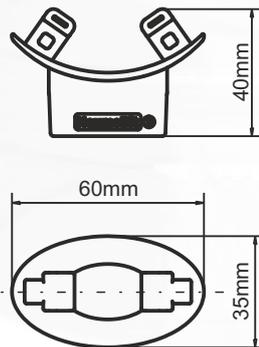
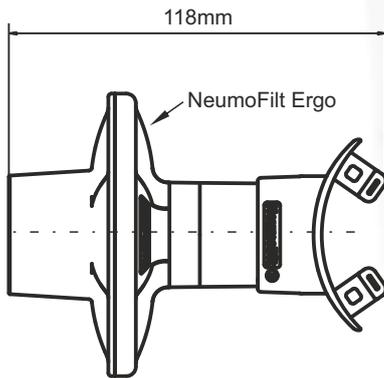
## NeumoBit



**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



## 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

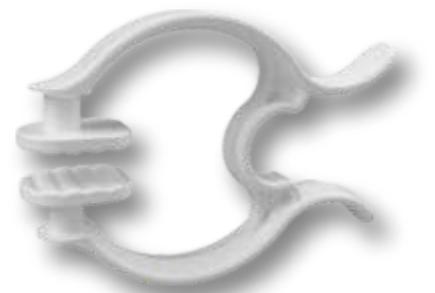


- Unitary packaging
- Box qty.: 100 units.
- Box dimensions: 58x26x36 cm
- Aprox. Box weight: 3,7 Kg.
- Boxes per Pallet: 30
- Pallet dim.:120x80cm. H.: 2m..

### 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.



Medical Respiratory Devices, S.L.

Avda. de las Americas 4, Nave A7  
28823 Coslada (Madrid)- SPAIN

+34 91 674 5003

[Info@medicalrd.com](mailto:Info@medicalrd.com) - [www.medicalrd.com](http://www.medicalrd.com)

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