

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 Family

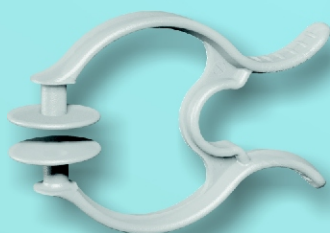
NeumoFilt
ERGO



NeumoBit



NeumoClip



NeumoFilt
BITEON



The **NeumoFilt** 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.

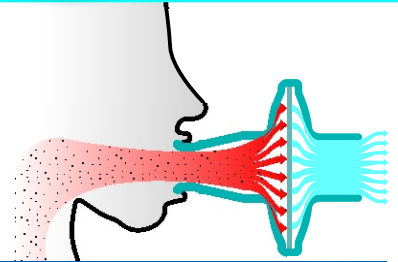
M.R.D.



NeumoFilt

The **NeumoFilt** 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 Nelson Laboratories (USA) and Health Protection Agency (UK).



**NeumoFilt
ERGO**



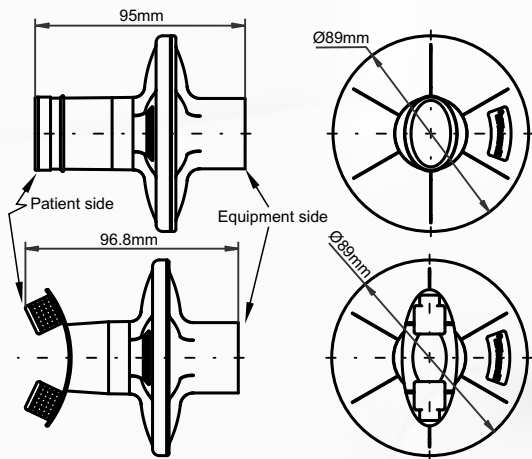
**NeumoFilt
BITEON**



Usable for different techniques:

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

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



- BFE (at 30L/min.): 99,999980 %
- VFE (at 30L/min.): 99,999909 %
- BFE (at 55L/min.): 99,997649 % (5 minutes test)
- VFE (at 55L/min.): 99,998660 % (5 minutes test)
- BFE (at 750L/min): 99,502439 % (5 minutes test)
- VFE (at 750L/min.): 99,987339 % (5 minutes test)
- Air flow resistance: 92,0 Pa/l/s at 14 l/s
ATS/ERS max. Recomend resistance: 150 Pa/l/s at 14 l/s
- Deadspace: Ergo 70 ml BiteOn 68 ml
Rebreating deadspace: 52 ml
- Patients: Adults and Children
- Filtration method: electrostatic and mechanical

Different equipment connection sizes:

MRSF-22 inside Ø30mm outside Ø32mm	MRSF-23 inside Ø45mm outside Ø48mm	MRSF-24 inside Ø34mm outside Ø37,5mm	MRSF-25 inside Ø27mm outside Ø30mm	MRSF-26 inside Ø28mm outside Ø30,5mm



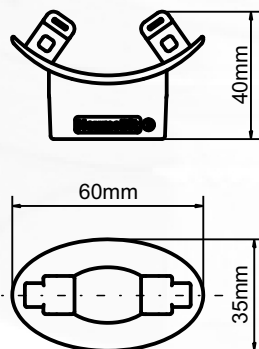
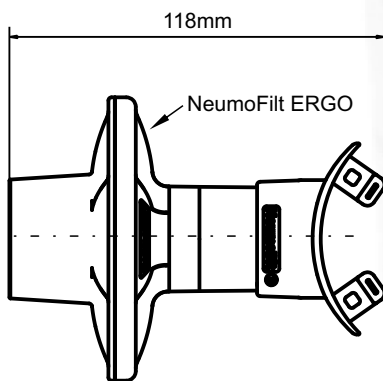
NeumoBit

NeumoBit is a rubber mouthpiece specially design to use with the NeumoFilt Ergo model. It is made from an high pleasant material. Its use provides a perfect anatomical adaptation facilitating the test to be performed. Designed for a SINGLE USE ONLY



Characteristics:

- Weight: 10 gr.
- Material: Elastomer
- Box Qty: 60 Units



Class I product according to 93/42/EEC Medical Devices directive

NeumoClip



The **NeumoClip** nose clip is easy to use and with a pleasant touch. Its design has an essential Function in achieving a complete nostrils closing without losing comfort.

Characteristics:

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

Class I product according to 93/42/EEC Medical Device directive



Delivery Options

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.	NeumoFilt BiteOn  • Unitary packaging • Box qty.: 90 units. • Box dimensions: 58x26x36 cm • Aprox. Box weight: 3,4 Kg. • Boxes per Pallet: 30 • Pallet dim.:120x80cm. H.: 2m..	NeumoBit To use with Ergo  • Box Qty: 60 units • Box dimensions: 30x19x12 cm • Aprox. Box weight: 0,7 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.
Pack Confort Ergo + NeumoBit  • 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.	Pack Plus Ergo + NeumoClip  • 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..	Pack Confort Plus Ergo + NeumoBit + NeumoClip  • 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.	Pack BiteOn BiteON + NeumoClip  • Unitary packaging • Box qty.: 90 units. • Box dimensions: 58x26x36 cm • Aprox. Box weight: 3,6 Kg. • Boxes per Pallet: 30 • Pallet dim.:120x80cm. H.: 2m..

NeumoFilt Ergo, BiteOn, Pack Confort, Pack Plus, Pack Confort Plus and Pack BiteOn, can be ordered for direct Fitting to the following equipments:

Ref.	To fit spirometers from:
22	Jaeger, Sensormedics, M.E.C, Geratherm,Custo.
23	KOKO
24	MedGraphics
25	MIR, Micromedical,Vitalograph
26	Cosmed, Medisoft,SpiroConnect.

Detailed references information on separate document.



In addition we have a wide range of adapters to fit nearly all Spirometer brands on the market.