

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



NeumoClip



NeumoBit



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.

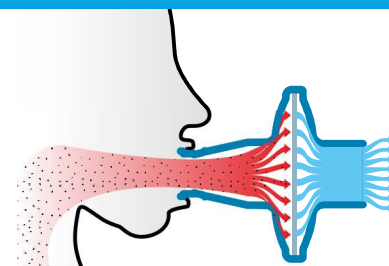
Bacterial Viral Filters for pulmonary function testing equipments and nose clips manufacturer
SGS ISO 13485 certified company



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.

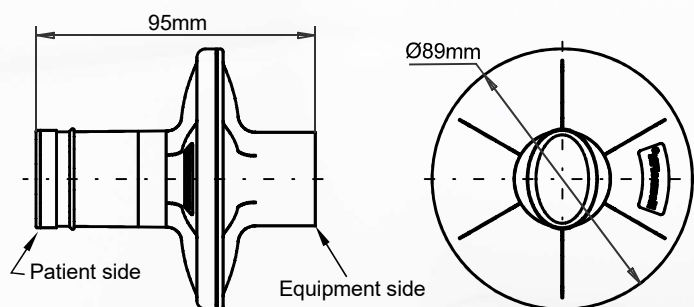
BFE and VFE has been certified by the Nelson Laboratories (USA) and Health Protection Agency (UK).



NeumoFilt



- 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 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. Recomendated resistance: 150 Pa/l/s at 14 l/s
- Deadspace: 70 ml
Rebreating deadspace: 52 ml
- Patients: Adults and Children
- Filtration method: electrostatic and mechanical

Different equipment connection sizes:

MRSF-1121 inside Ø30mm outside Ø32mm	MRSF-1223 inside Ø45mm outside Ø48mm	MRSF-1224 inside Ø34mm outside Ø37,5mm	MRSF-1225 inside Ø27mm outside Ø30mm	MRSF-1226 inside Ø28mm outside Ø30,5mm

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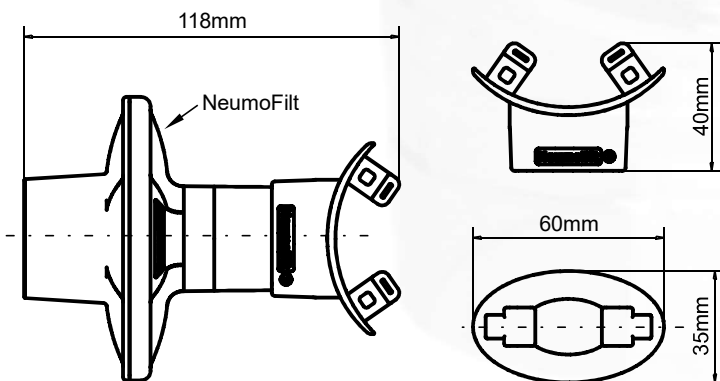
NeumoBit



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

Characteristics:

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



Certified class IIa 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 a achieving a complete nostrils closing without losing comfort.

Characteristics:

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

NeumoBit and NeumoClip Class I product according to UE 2017/745 Medical Device regulation



Delivery Options

NeumoFilt



- 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.

Pack Confort

NeumoFilt + 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

NeumoFilt + 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

NeumoFilt + 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.

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:
1121	Jaeger, Sensormedics, M.E.C, Geratherm,Custo.
1223	KOKO
1224	MedGraphics
1225	MIR, Micromedical,Vitalograph
1226	Cosmed, Medisoft,SpiroConnect.

Detailed information of references in separate document.



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



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