

AME Spirometer -Test Your Lungs - Know Your Numbers

Measures of air flow and volume are indicators of lung health and these noninvasive tests can be done in the physician's office with a spirometer, a device used to measure lung health. Blowing forcefully into the AME spirometer provides a quick, easy measure of all vital numbers required to determine lung function.

Spirometry is an important tool for generating pneumotachographs which are helpful in assessing conditions such as asthma, pulmonary fibrosis, cystic fibrosis, and COPD. It is also an important motivator for people with asthma. It is also used increasingly by healthy sports people and ocean divers to determine lung function.

With its easy to use software, the AME Spirometer operator can be up and running quickly testing patients. The tests can then be emailed or faxed to colleagues for further assessment and discussion.

The Spirometer uses cutting-edge technology combined with ease of use to make it a powerful and effective tool in lung testing.

Advanced feature-rich easy to use software

Incentive graphics for children

The patient must blow out the candles as incentive.

Easy and simple to use

Graphical user interface and settings.

Unique and fast database

Share tests with other AME software users.

White or black background

Frequent software updates and backup

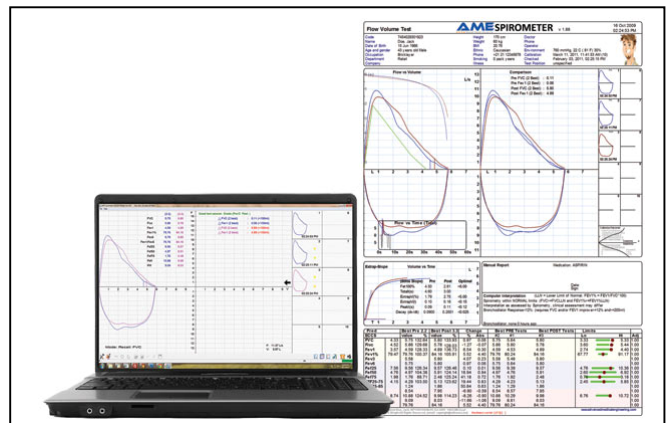
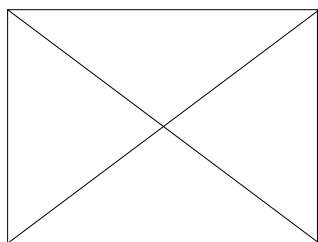
Trending of patient results

Monitor a patient's response to medication.

Standard controls for performing a test

Advanced SPIRO-WRIGHT Engine - Accurate and Robust!

NO BATTERIES REQUIRED - Uses USB Port power



Tests performed: FVC Screening, FVC Pre/Post bronchodilator, SVC, MVV

Measuring range: ± 16 L/s

Transducer type: Differential pressure gauge with custom engineered laminar element

Precision: Complies with ATS/ERS 2005, Correctly measures all 26 ATS waveforms

Accuracy: ATS standard, ISO 23747, Complies with SANS451, FDA (501K),

Air resistance: 2 kPa at 12 l/s

Resolution: 12 Bit Sample rate: 330Hz

Power supply: USB - No Batteries Required!

Dimensions: 14 x 15 x 0,45 cm

Weight: 200 g (lightweight and portable unlike other heavy spirometers which weigh over 1.6 KG!)

Classification: DIN EN 60601-1, Protection class I, Type BF, Group IIa

Measures all standard parameters: FVC, Fivc, Fev1, Fev1% ,Fev3, Fev6, Fef25 ,Fef50, Fef75 ,Fef25-75, Fef75-85, Fif50, Pefr, Pifr, FEV1/Fev6

Predicted equations: ECCS, NHANNES III, ERS93, Knudson, HSU, Crap, Morris, Polgar71, Polgar91, ERS93012, ECCS-12, Rosenthal, ECCS-10, Sans451

Calibration: [3 litre calibration syringe](#)

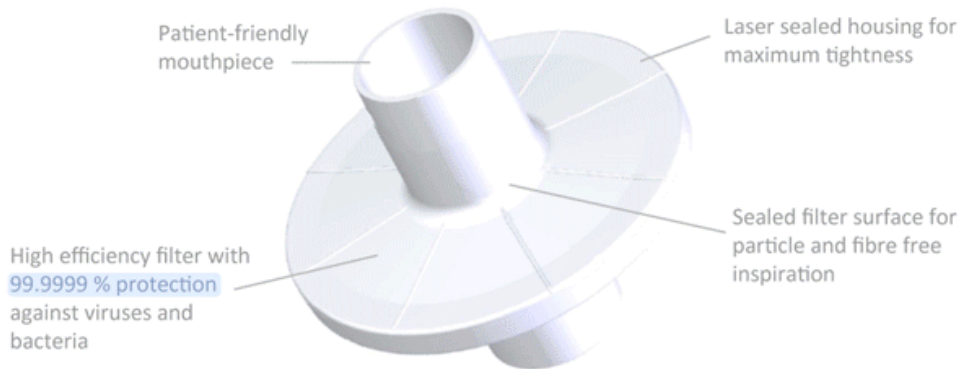
Spirometer Specifications

Bacterial and viral filter specifications

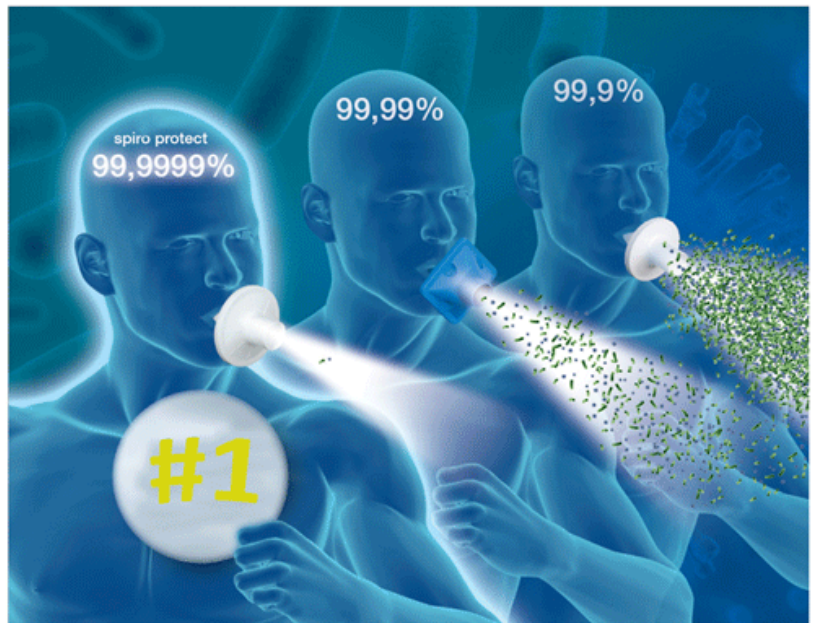
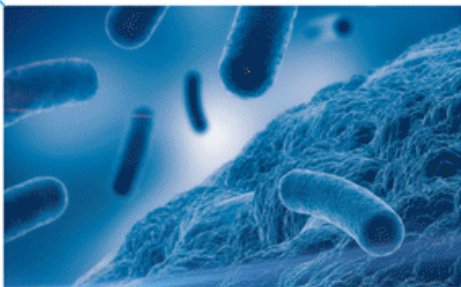
Production of DIN EN 1822-1

Filter class H13 (HEPA, 99,9999%)

Examination after DIN EN ISO 10933-1



Number of organisms challenging the filter	Number of organisms passing through the filter	% Efficiency
1 000 000	100 000	90
	10 000	99
	1 000	99.9
	100	99.99
	30	99.997
	10	99.999
	1	99.9999



The efficiency of an air filter is its ability to remove a given percentage of particles of a given size over a specified period of time for a stated air volume. While the type of filter media used will play a major part, many other factors have to be taken into account in the actual design of the filter. The significance of efficiency is expressed thus:

A 99.9999% filter is:

- 10 times more efficient than a 99.999% filter
- 100 times more efficient than a 99.99% filter
- 1 000 times more efficient than a 99.9% filter

Product Code	2800/22
Description	Electrostatic Spirometry Filter
Filtration Efficiency	BFE 99.9999%* VFE 99.9999%*
Resistance @ 720 LPM	70 pa
Dead Space	75ml
Weight	45g
Latex Free	YES

Tested to EN23328 -
Breathing system filters for anaesthetic and respiratory use

