

Sibelmed[®]

The ATS/ERS recommend the daily calibration of the spirometer with a calibration syringe



(3L)

CALIBRATION SYRINGE S3000

Creating future

S3000 · calibration syringe

Description

Calibration and verification syringes SIBELMED S3000 is an equipment based on a cylindrical chamber and a piston. The manually forced movement from the outside expels the known air volume (3L) it contains, which allows the calibration of spirometers.

With a standard calibration volume, the calibration method is easy and reliable. It checks the accuracy of respiratory volume measuring equipment under normal conditions and satisfactorily fulfils the quality control program.

Technical specifications

Cylinder	Aluminum with hard anodized
Piston rod	Aluminum, stainless steel or polymide thermoplastic
Piston handle	ABS plastic
End plates	POM, PET or PBT plastic
Accuracy	±0.5%
Total volume	3L
Smallest graduation	3000 ml
Weight	1.9 Kg / 4.1 lbs.
Diameter of the syringe nozzle	28 mm / 30 mm
Size	55x11x12 cm / 21.65x4.33x4.72"

Normatives

The 3L calibration syringe has been recommended as a standard by the 2005 ATS/ERS and the "Standardisation of Lung Function Testing. Standardisation of Spirometer" as the minimum volume to check spirometers.

The regulations that apply to them, advise that spirometers be periodically calibrated. We should not forget that diagnoses are made according to the data provided by this measuring equipment; therefore, it is essential to know if the equipment measures correctly.

Some manufacturers say that their equipment does not require calibration. However, even assuming that this were true, there would have to be certain standards to verify that the device is measuring correctly even if it cannot be calibrated.

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