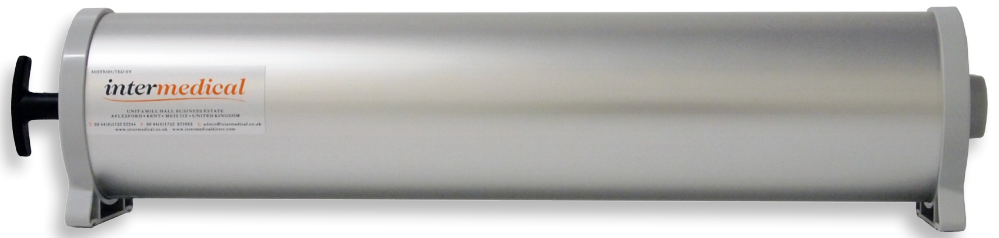


SpiroCal-3000

Precision calibration syringe



Field of application

Calibration syringes are designed for Volume calibration of pulmonary function test devices.

Way of application

Preparation prior to the calibration

It is advisable to make some full strokes and turns of the rod in order to provide an even layer of the lubricant on the wall of the cylinder.

Connecting the adaptor



Fig.1
Thin diameter end of adaptor

Fig.2
Slots into entry bore of cylinder

Adaptor is suitable for use with Vitalograph, MicroMedical (Carefusion), ndd Spirometers using Spirette'M. (*MIR Spirometers will require alternative adapter included).

Connection of the device being tested

Connect the flow sensor of the device being tested with the patient side to the calibration syringe pneumatic outlet. In this case the expiration will be generated by pushing the rod of the piston. The syringe is provided with an adaptor. If it is necessary an adapter or a corrugated tube can be connected in between but taking care to ensure a leak free seal.

Calibration procedure

- i) Follow the actual instructions of the device being tested.
- ii) Make full strokes at the flow rates as described in the user manual of the device being tested.

Maintenance

Cleaning instructions

The syringes are supplied clean and non sterile. Non-critical equipment should be kept visibly clean using mild detergent (neutral pH 7), soap with tap water or standard hospital disinfectant cleaners. Clean soft cloths should be used for wiping and drying. Cleaning solutions or cloths should not be used inside the cylinder area of the syringe. Disinfection or sterilisation is not required because the syringe will not come into contact with patients. The syringe is provided with an adaptor.

Lubrication

Proper lubrication is important to guarantee the sealing and smooth movement of the piston. It is advisable to apply lubricant every 6 months or after 1.000 cycles of movement. Apply modest quantity of the spray with some short puffs thru the pneumatic outlet and thru the ventilation hole at the rod side of the syringe and make some full strokes and turnings of the rod. Apply only the lubricant specified at the technical data paragraph.

Technical data

Nominal volume: 3000 ml
 Accuracy: ± 15 ml
 Lubricant: Inteflon, Fin Food Lube
 Size: 520x120x1 10 mm
 Weight: 2.2k g
 Operating Temperature: 15+40°C
 Storage Temperature: 0+50°C
 Storage Relative Humidity: 10%+95%

*Adaptor for MIR Spirometers

Adaptor for ndd Spirometers using Spirette
(Optional)

