



presents...

The EasyOne™ Disposable Spirette™

Accurate
Reliable
Hygienic
Affordable

EasyOne™ Disposable Spirette™ - True Flow Technology

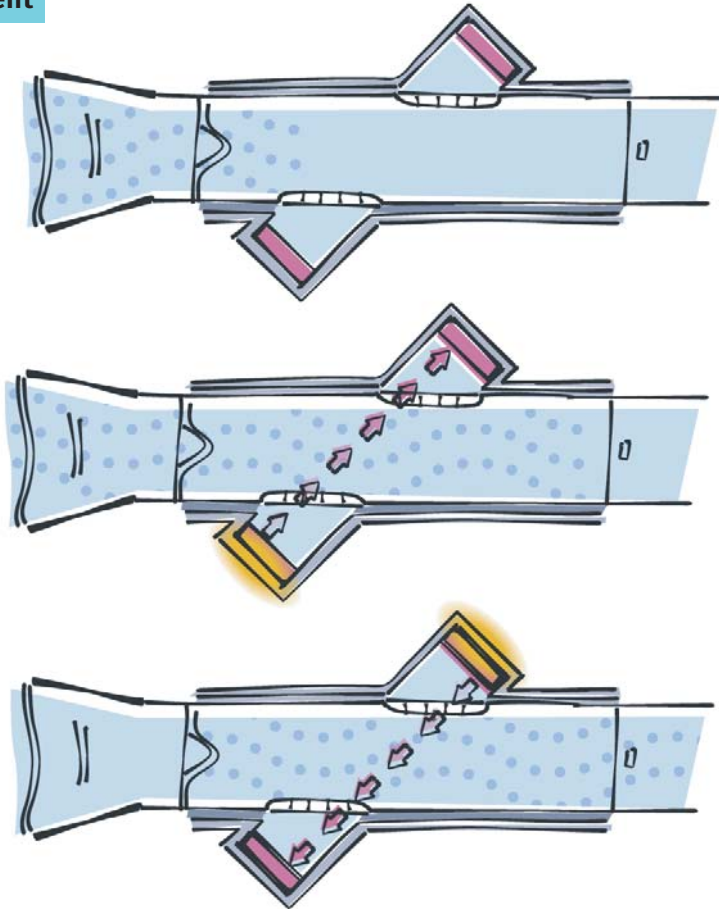
The EasyOne™ Spirometer incorporates an ultrasonic flow sensor to measure the flow of air in and out of the patients lungs.

Ultrasonic flow measurement eliminates problems associated with traditional methods of flow measurement. There are no moving parts, no codes to enter, no screens to catch sputum, and no disposables to calibrate.

Ultrasonic flow measurement is independent of gas composition pressure, temperature, and humidity; and eliminates errors due to these variables. The disposable Spirette acts only as a hygienic shield and is transparent to the ultrasonic pulses traveling between the measurement transducers. Since the disposable spirette has no sensor elements, it does not perform a measurement function and does not require calibration.



Ultrasonic Flow Measurement



Transducers located on either side of the spirette™ cavity emit and receive sound in alternating directions.

When gas flow is present in the tube, a pulse that travels against the flow is slowed down and takes a longer time to reach the opposite transducer.

Conversely, a pulse traveling with the flow is sped up and takes a shorter time to reach the opposite transducer.

Sensor Technology

The transit time of the sound pulses is precisely measured with a digital dock. The gas flow through the spirette™ is then calculated from the upstream and downstream transit times. This calculation is independent of gas composition, pressure, temperature, and humidity; and eliminates errors due to these variables.

Advantages

- No Calibration Required
- Single patient use spirette™
- No Cleaning
- Hygienic Packaging
- Low Cost
- Available in a 50 dispenser pack or economy 200 bulk pack with refillable dispenser
- Ergonomically designed to fit both pediatrics and adults comfortably

