

# Inline Filter Solution for Easy on-PC

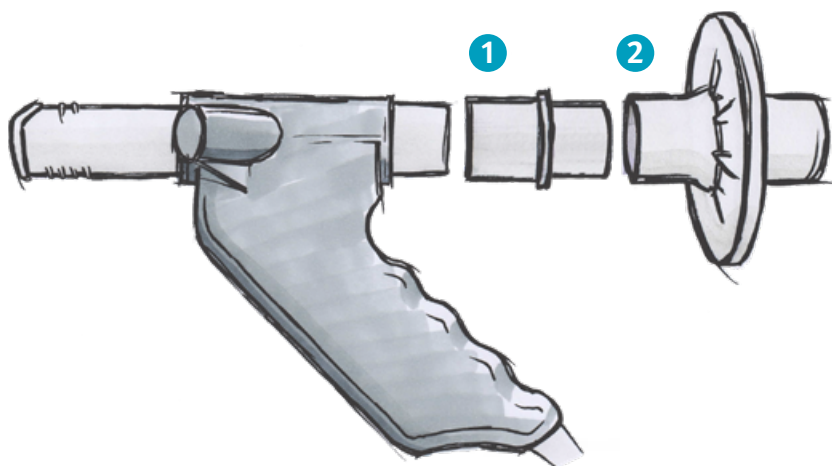
## Perform lung function tests with an inline filter solution that guarantees repeatable and accurate results

The ndd inline filter solution guarantees the well proven protection against cross contamination and offers additional protection for operators and technicians.

For diagnostic decisions and when trending results, it is important that measurements do not change due to a different setup. Especially expiratory measurements like FEV1 and FVC are important clinical decision factors. The specially developed and tested ndd adapter provides accurate and repeatable results. This setup is comparable to one

without a filter for patients, as it combines low resistance with accurate expiratory measurements.

ndd evaluated many solutions available on the market that propose a filter in the front end and determined all existing front end solutions led to a much higher resistance and to inaccurate flow measurements, which significantly affects the most important clinical parameters and therefore cannot be recommended.



	Manufacturer	Type
1 Adapter	ndd	Filter Adapter SP
2 Filter	Intersurgical	Pulmo-Protect™, 1691000

### ndd Inline Filter Solution Advantages




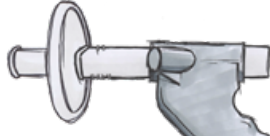





















- › Protection against cross contamination **and** staff protection
- › Low resistance performance ensures efficacy of results and complies with ATS/ERS recommendations<sup>1</sup>
- › Expiratory measurements is not affected (see graphics on page 2)
- › Peak flow, FEV1 and FVC are not affected and stay repeatable and accurate
- › Low dead space volume
- › Microbiological filtration effectiveness has been independently tested and validated to provide >99.99% efficiency against bacteria and viruses<sup>2</sup>
- › Maximum hygiene, as all components that are exposed to patient air are single use
- › Tested and approved by ndd

<sup>1</sup> European Respiratory Journal 2005; 26: 319–338 Standardisation of spirometry M.R. Miller, J. Hankinson, V. Brusasco, F. Burgos, et al.

<sup>2</sup> Nelson Labs 771942B.1

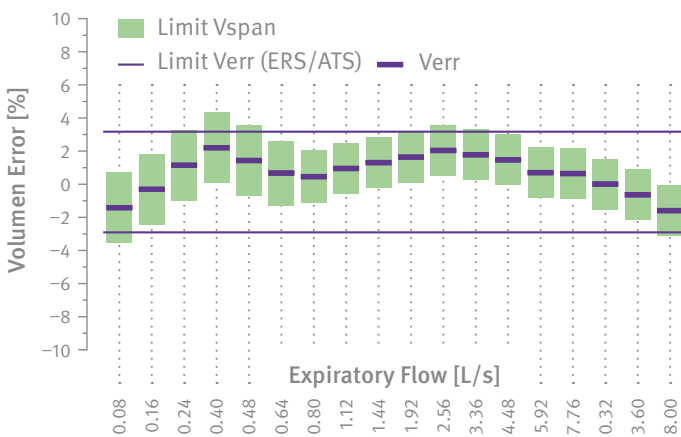
# Filter Solution Overview



Filter Types		
n dd Solution	In Front Solutions	
  <p>Adding the recommended filter at the end of the Spirette provides protection for the operator without compromising measurement quality.</p>	  <p>Adding any filter at the front of the device results in significant and unpredictable errors in the measurement.</p>	
ERS / ATS Compliance 		
Filtration Effectiveness 		
Tested and approved by n dd 		
Double Protect™ Hygiene Concept <sup>1</sup> 		
Measurement Accuracy 		
Flow Resistance 		
Flow Linearity 		

<sup>1</sup> Device Cross-contamination & Operator Protection

## n dd Solution



## In Front Solution

