

# VITALOGRAPH Eco BVF BACTERIAL VIRAL FILTER RANGE

The Professionals' Choice for Cross-Infection Prevention  
in Lung Function Testing



**Vitalograph**<sup>®</sup>  
Your cardio-respiratory partner

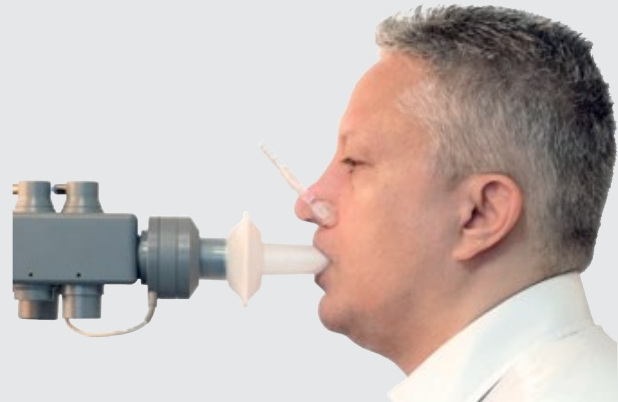
Data you can rely on. People you can trust.

# Vitalograph Eco BVF Bacterial Viral Filters

High Performance Cross-Infection Protection in Lung Function Testing

Developed in response to feedback from global respiratory professionals, the new Vitalograph® range of Eco BVFs combines optimal cross infection protection for patients and medical personnel with equipment contamination protection and improved environmental credentials.

The range includes a new 'Bite-Lip' design offering a lower cost alternative to conventional Filter/Bite-On mouthpiece combinations.



## New Eco BVF Bite-Lip Option Reduces PFT Consumable Costs

Extended patient side with plastic bite-on lip reduces costs by eliminating the need for expensive silicone bite-on mouthpieces



## Ecological Features

- 100% recyclable materials
- 80% reduction in energy expended during manufacturing\*
- 54% reduction in filter waste volume\*

\*compared to standard Vitalograph BVFs

## General Features

- Optimal protection for patients, staff and equipment
- Traps expectorated matter, bacteria and viruses
- Validated cross-contamination efficiency >99.999%
- Filter dead space 55ml (excluding tapers)
- Low flow impedance <0.04kPa at 1L/s
- New Bite-Lip and standard Eco BVFs available for all leading makes of PFT equipment

## Full Range of PFT Kits Available

- PFT Kits available for Eco Bite-Lip BVFs and standard Eco BVFs
- Kits include choice of Eco BVF™ Bite-Lip + Nose Clips, or standard Eco BVF + Silicone Bite On Mouthpiece + Nose Clips



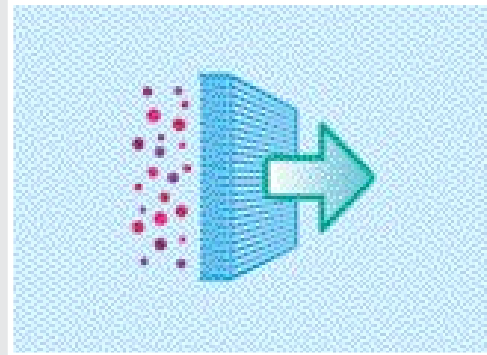
Kits available for Jaeger/Carefusion/  
Vyair, MediSoft, Ganshorn etc.

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Cardboard mouthpieces, disposable turbines or spirettes do not provide adequate cross-infection protection during spirometry.

Whilst some of these may minimize device contamination none prevent potentially germ carrying droplets and particulates from being expelled into the testing environment.

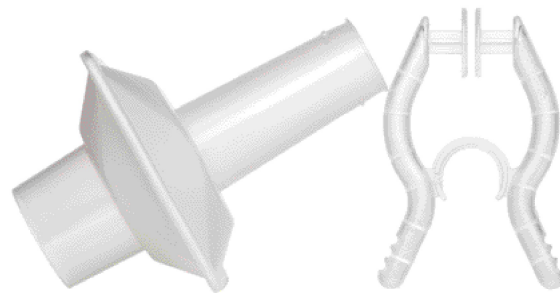
Vitalograph Eco BVFs filter droplets, aerosols, bacteria and viruses (including MRSA, TB & Influenza) out of the airstream with a 99.999% efficiency.



## Measurement Accuracy Assured for all Spirometer & PFT System Brands

You can be confident that the use of Eco BVFs will not give rise to measurement errors. The following points are worth noting:

1. Resistance (Flow Impedance) of the filter: Vitalograph filters are well below the maximum resistance value recommended by international ATS/ERS/ISO Spirometry Standards.
2. The New Vitalograph Eco BVF has a comparatively small effective deadspace of 55ml to improve the validity and consistency of testing and minimise rebreathing.



## Compliance with International Standards

Vitalograph is a world leading manufacture of equipment for pulmonary function professionals. Vitalograph filters are CE marked (CE 0086) and are designed and manufactured in line with the following requirements:

ISO 13485, FDA 21 CFR 820, CMDR, JPAL

Eco BVF and Eco BVF/Nose Clip Kits available for most office spirometers including; MIR, MicroMedical, Cosmed etc.

## Filtration Efficiency for Bacteria and Viruses

As the main purpose of a lung function test filter is to protect the patient and the device from bacteria and viruses the filtration efficiency is a crucial quality feature.

Example: a comparison report on the use of a Vitalograph BVF with Jaeger/Carefusion filters showed the following result:

Filter	Bacterial Filtration Efficiency	Viral Filtration Efficiency
Vitalograph Eco BVF	99.999%	99.999%
Jaeger/CareFusion Microgard IIb and IIc	99.999%	99.999%

This data confirms that by changing to Vitalograph Eco BVFs, users can benefit from improved ecological credentials and the potential for reducing consumable costs without any compromise to filtration efficiency.

Vitalograph is a world leading provider of outstanding quality cardio-respiratory diagnostic devices, clinical trial services, audiometers and medical equipment servicing. With a pioneering heritage of excellence spanning half a century Vitalograph continues to make valuable contributions to effective medical care and enhanced quality of life.

## Ordering Info

### Eco BVF for PFT Equipment and Office Spirometers

- 28557** 2820 Eco BVF with Plastic Bite Lip (75)  
Fits Jaeger/Carefusion/Vyair
- 28550** 2820 Eco BVF with Plastic Bite Lip + Disposable Nose Clip (75)  
Fits Jaeger/Carefusion/Vyair
- 28552** 2820 Eco BVF + Silicone Bite-On Mouthpiece + Disposable Nose Clip (60)  
Fits Jaeger/Carefusion/Vyair
- 28554** 2820 Eco BVF with Plastic Bite Lip (75)  
Fits MediSoft and Office Spirometers
- 28553** 2820 Eco BVF with Plastic Bite Lip + Disposable Nose Clip (75)  
Fits MediSoft and Office Spirometers
- 28551** 2820 Eco BVF + Silicone Bite-On Mouthpiece + Disposable Nose Clip (60)  
Fits MediSoft and Office Spirometers

### Eco BVF for Office Spirometers

- 28501** 2820 Eco BVF for Office Spirometers (100)  
Fits MIR, MicroMedical, Cosmed, etc.
- 28572** 2820 Eco BVF for Office Spirometers + Disposable Nose Clip (80)  
Fits MIR, MicroMedical, Cosmed, etc.

### Adaptors

- 29828** Adaptor Fits Eco BVF to ZAN/nSpire  
Fits 28557, 28550 & 28552
- 29808** Adaptor Fits Eco BVF to ZAN/nSpire  
Fits 28554, 28553, 28551, 28501 & 28572
- 29748** Adaptor Fits Eco BVF to Koko  
Fits 28554, 28553, 28551, 28501 & 28572

## Technical Specifications

	Eco BVF	Eco BVF Bite-Lip
<b>Materials:</b>	Polypropylene	Polypropylene
<b>Dimesions:</b>	68mm x 72mm	68mm x 95mm
<b>Weight:</b>	11gm	25gm
<b>Dead Space:</b>	55ml (exc. tapers)	55ml (exc. tapers)
<b>Resistance:</b>	0.04kPa/(L/s) at 1L/s	0.04kPa/(L/s) at 1L/s
<b>Filtration Efficacy:</b>	>99.999%	>99.999%



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