

NEW Bacterial Viral Filter ... for respiratory testing



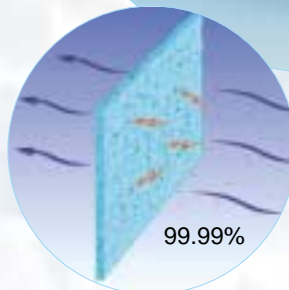
- ▼ at risk subjects must use a filter or disinfect whole breathing circuit
- ▼ minimise your infection risk between subjects
- ▼ the ultimate in cross contamination efficiency during LF testing
- ▼ dependable control of cross infection with low cost-per-test
- ▼ unique low taper avoids cracking and damaging instrumentation

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... lung function test

using **BVF™**

- ▼ very low back pressure – even BVF plus Vitalograph measuring device
- ▼ uniquely comfortable mouthpiece, for children, adults and older people
- ▼ designed specifically for spirometric tests
- ▼ efficient at high flow rates
- ▼ fully disposable for complete safety
- ▼ adaptors to fit all respiratory test equipment



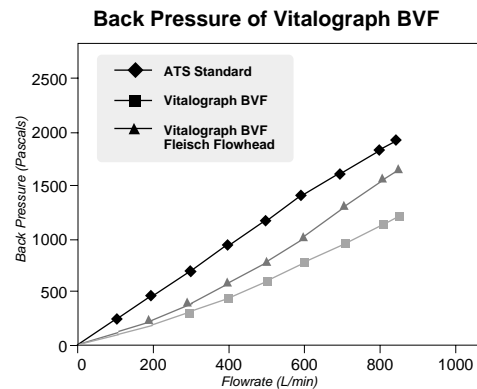
Bacterial
Viral Filter

Features ...

Vitalograph have taken the successful BVF and developed a new improved version, so you can have complete confidence in this highly efficient disposable. Static attraction technology allows even sub-micron sized microbes to be trapped. It now has a reduced effective dead-space of 65mL and this filter is 100% tested during manufacture. The unique square shape allows efficient use of the high-technology and expensive filter medium – resulting in less waste and a lower price to the end user.

Testing has shown that the unique new 24mm mouthpiece is much more comfortable for adults and children, all other brands of respiratory testing filters use a 30mm diameter mouthpiece.

Technical Specifications ...



- ▼ Cross Contamination efficiency bacteria 99.99% @ 55L/min
- ▼ Cross Contamination efficiency virus 99.99% @ 55L/min
- ▼ Cross Contamination efficiency bacteria 99.99% @ 750L/min
- ▼ Cross Contamination efficiency virus 99.99% @ 750L/min
- ▼ Filtration efficiency (single pass) bacteria 99.5% @ 55 L/min
- ▼ Filtration efficiency (single pass) virus 99.2% @ 55L/min
- ▼ Filtration efficiency (single pass) bacteria 99.4% @750 L/min
- ▼ Filtration efficiency (single pass) virus 99.4% @ 750 L/min
- ▼ Validation using Bacillus Subtilis var niger Mean dia. 0.7 to 1 µm
- ▼ Resistance to airflow @ 750L/min (BVF alone) 0.08kPa/L/s (0.8 cmH₂O)
- ▼ Resistance to airflow @ 750L/min (BVF + Fleisch) 0.12kPa/L/s (1.2 cmH₂O)
- ▼ Resistance to airflow ATS Spiro Standards Limit 0.15kPa/L/s (0.8 cmH₂O)
- ▼ Total deadspace including both tapers 98mL
- ▼ Effective deadspace (excluding tapers) 65mL
- ▼ Mouthpiece taper 1/20 (smallest dia. at front) 24mm OD 25mm long
- ▼ Instrumentation taper 1/20 (smallest dia at front) 30mm OD 20mm long
- ▼ 100% tested at 4 times max allowable pressure 7.5 kPa
- ▼ Filter Material brand names (lowest spec above) Filtrete™ & Technostat

Ordering Information ...

28350BVF (Box 50)
28351BVF (Bag 20)

... your distributor

... low cost **BVF**



... adaptors For All Lung Function Test Equipment

Vitalograph have developed a range of adaptors to fit most brands of such devices. If you have an unusual device, no problem! We will custom manufacture one for you at no extra cost. Please call with exact sizes, manufacturer's brand/model or send a sample

Vitalograph have a full range of mouthpieces and consumable supplies – please contact your local distributor or Vitalograph.

from **Vitalograph[®]**

... the spirometry people