Pharma Systems

Protects and Humidifies

Bacterial & Viral Filters (BVFs)

Protection

Pharma Systems Bacterial & Viral Filters (BVFs) are single-use devices designed to provide high-efficiency filtration of inspiratory/expiratory air. Bacterial/Viral Filters protect both patients and equipment by minimizing the risk of cross-contamination from airborne pathogens, including bacteria and viruses.

The BVFs are intended for use when mechanical ventilation and other respiratory support therapies are performed and they:

- ✓ Ensure a high level of filtration efficiency, reducing the risk of bacterial and viral transmission.
- ✓ Improve the breathing environment for both patients and healthcare professionals.

When & Where

To use

BVFs are suitable for use in the following settings but not limited to:

Intensive Care Units (ICUs)
Home Care Environments
Transport Ventilation
Emergency Care
Operating Rooms (ORs)

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Pharma Systems

Respiratory solutions

Pharma Systems, a certified MedTech manufacturer based in Sweden, provides a comprehensive portfolio of Heat and Moisture Exchangers (HMEs), Bacterial/Viral Filters (BVFs) and combined HMEFs, developed for patients ranging from Neonates to Adults — whether intubated or tracheostomized.

All products are manufactured using certified, high-quality materials and incorporate advanced filtration technologies to support reliable clinical performance in demanding healthcare environments.

Pharma Systems' entire product line is fully compliant with MDR and holds ISO, FDA, and CE certifications, ensuring the highest standards of safety, performance, and regulatory compliance.

HME BVF HMEF Pharma Trach

Pharma Systems

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Bacterial & Viral Filters (BVFs)

	Bact-Trap Mini Basic	Bact-Trap Mini Port	Bact-Trap Mini Port 2	Bact-Trap Mini Port Angle	Bact-Trap Midi Port	Bact-Trap Midi Port Angle	Bact-Trap Basic	Bact-Trap Port
Product code	7050	7055	7054	7061	7110	7120	7010	7011
Dead space	26 ml	23 ml	23 ml	23 ml	48 ml	49 ml	75 ml	77 ml
Tidal volume	50-900 ml	50-900 ml	50-900 ml	50-900 ml	100-1200 ml	100-1200 ml	250-1500 ml	250-1500 ml
Bacterial filtration efficiency*	99,99%	99,99%	99,99%	99,99%	99,99%	99,99%	99,99%	99,99%
Viral filtration efficiency*	99,9%	99,9%	99,9%	99,9%	99,9%	99,9%	99,9%	99,9%
Flow resistance 15 L/min	0,6 cm H_2O/60 Pa	0,6 cm H_2O/60 Pa	0,6 cm H_2O/60 Pa	0,6 cm H_2O/60 Pa	0,5 cm H_2O/50 Pa	0,5 cm H_2O/50 Pa	0,3 cm H_2O/30 Pa	0,3 cm H_2O/30 Pa
Flow resistance 30 L/min	1,5 cm H_2O/150 Pa	1,5 cm H_2O/150 Pa	1,5 cm H_2O/150 Pa	1,5 cm H_2O/150 Pa	1,1 cm H_2O/110 Pa	1,1 cm H_2O/110 Pa	0,8 cm H_2O/80 Pa	0,8 cm H_2O/80 Pa
Flow resistance 60 L/min	3,4 cm H_2O/340 Pa	3,4 cm H_2O/340 Pa	3,4 cm H_2O/340 Pa	3,4 cm H_2O/340 Pa	2,3 cm H_2O/230 Pa	2,3 cm H_2O/230 Pa	2,0 cm H_2O/205 Pa	2,0 cm H_2O/205 Pa
Capnography port	No	Yes	Yes	Yes	Yes	Yes	No	Yes
Patient connection	15F/22M	15F/22M	15F/22M	15F/22M	15F/22M	15F/22M	15F/22M	15F/22M
Ventilator connection	15M	15M	15M	15M	15M/22F	15M	22F	15M/22F
Weight	14 g	13 g	13 g	13 g	27 g	27 g	32 g	32 g

Always follow Instructions For Use (IFU).
All products are intended for single use, available as sterile and are available with tethered cap.

*Filtration efficiency data from the Bacterial Filtration Efficiency (BFE) and Viral Filtration Efficiency (VFE) tests, Nelson Laboratories Inc., Salt Lake City, UT, USA.

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