

# Air-Guard Breathing Filter

for use in Respiratory Systems  
and Oxygen Concentrators



## Introduction

Intersurgical present the Air-Guard Breathing Filter, a hydrophobic pleated membrane filter designed for the protection of oxygen concentrator machines and other respiratory equipment.

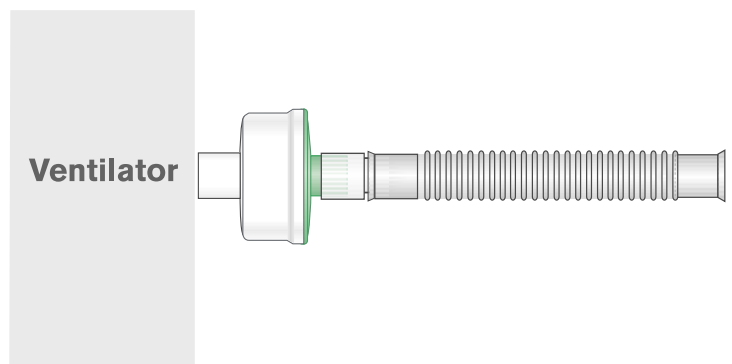
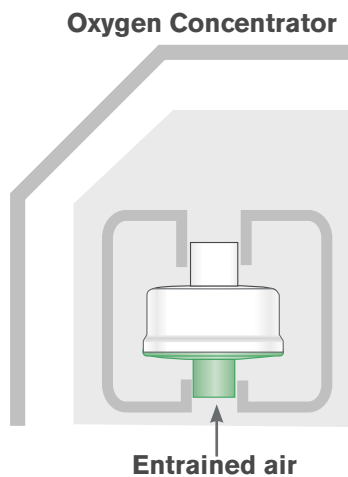
The Air-Guard Filter will function as a microbial filter when used to protect oxygen concentrator machines or when used in breathing systems to protect equipment from contamination. It has been validated against a bacterial and viral challenge through following the procedure as described in protocol Draft BS EN 13328-1 (Bacterial/ viral).

Two features have been included in this new product to make it ideal for use on oxygen concentrators:

1. The Air-Guard can be used for extended periods of time depending on the clinician's discretion. Many bacterial/viral filters are contraindicated for periods of use over 24 hours as they have not been validated for extended use.

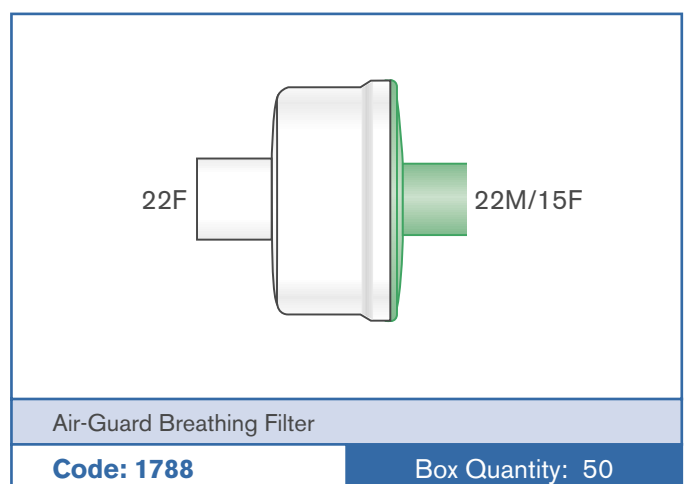
2. The Air-Guard is not transparent so will remain aesthetically pleasing in comparison to many other products when used for extended periods of time for filtering particulate contamination from room air.

This product excels as a bacterial and viral filter and can be used as such in a respiratory system providing the maximum period of use is 24 hours, corresponding to the usual correct procedures concerning breathing filters.



## Specifications

Volume	90ml
Weight	53g
Resistance to flow	1.73cm H <sub>2</sub> O @ 60L/min
Bacterial Filtration Efficiency	99.99999%
Viral Filtration Efficiency	99.9999%
Minimum Recommended Tidal Volume	200ml



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