

# ultraflow™ exhalation valve

## Effortless inhalation without risk of cross-contamination

The unique design of the Ultraflow™ Exhalation Valve enables exceptionally high flows with incredibly low inspiratory effort, resulting in an unparalleled user experience.

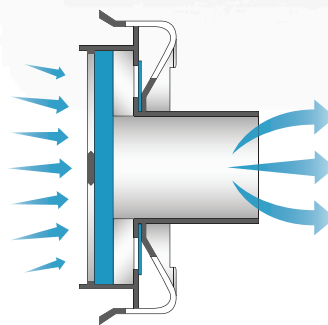
Unlike a conventional patient filter, the Ultraflow™ Exhalation Valve directs exhaled gas away from the delivery device, eliminating the risk of handset contamination.

### Technical Description

The Ultraflow™ Exhalation Valve is a single patient use accessory used with Ultraflow™ Demand Valves for the self-administration of medical gas. Ultraflow™ benefits from cutting-edge medical filtration media, incorporating a high efficiency electrostatic viral filter that prevents exhaled breath entering the handset. With no risk of cross-contamination there is no need for an expensive decontamination process after every patient use.

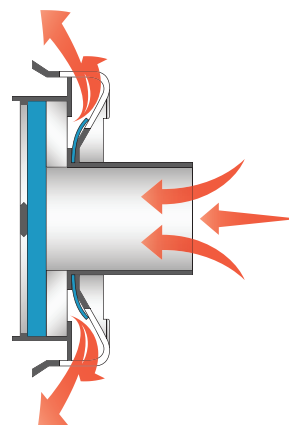
The Ultraflow™ Exhalation Valve also incorporates a unique ultra-low resistance one-way valve. This valve, unique to the Ultraflow™ system, prevents dilution of the medical gas with ambient air during inhalation, only opening during exhalation to divert exhaled breath away from the handset. In contrast with conventional systems, deadspace is minimised and resistance to flow during exhalation due to filter resistance is completely eliminated.

The Ultraflow™ Exhalation Valve is sealed securely to the handset with two snap fit clips, which when lifted, release the exhalation valve quickly and simply for disposal.



### Inhalation

During inhalation gas flows through an electrostatic filter with exceptionally low resistance to flow. The one-way valve is closed during inhalation.



### Exhalation

The one-way valve opens at the onset of exhalation; gas is directed to atmosphere through side vents. With the optional diverter, exhaled gas is conveniently piped away to an Anaesthetic Gas Scavenging System (AGSS).

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## SPECIFICATION

Gas Compatibility:	Medical oxygen, O <sub>2</sub> /N <sub>2</sub> O mixtures
Peak Flow:	> 250 L/min
Filtration:	High efficiency electrostatic viral filtration media
Intended Life:	30 days after first use by the same patient
Shelf Life:	5 years
Inlet Connection:	Proprietary interface
Delivery Connection*:	22 mm male conical to EN ISO 5356-1:2004
AGSS Connection (optional):	30 mm male conical to EN ISO 5356-1:2004
Regulatory:	ECRI source code 17169 GMDN Code 17169 MDD class IIa

\*Suitable for a mouthpiece supplied with an exhalation valve or a face mask

REF	DESCRIPTION	QTY.
828-0045	Exhalation Valve with Mouthpiece (A)	10*
828-0002	Exhalation Valve with Mouthpiece (A)	100
828-0044	Exhalation Valve for use with Face Mask (B)	10*
828-0042	Exhalation Valve for use with Face Mask (B)	100
828-0050	AGSS Exhalation Valve with Mouthpiece (C)	10*
828-0019	AGSS Exhalation Valve with Mouthpiece (C)	50
828-0048	AGSS Exhalation Valve for use with Face Mask (D)	10*
828-0049	AGSS Exhalation Valve for use with Face Mask (D)	50
828-0046	Face Mask (E)	40

\*Available in the UK only



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