



ultraflow™ analgesic demand valve

Effortless inhalation without risk of cross-contamination

The unique design of the Ultraflow™ Demand Valve delivers exceptionally high peak flow rates with low respiratory effort, minimising the work of breathing and resulting in improved patient compliance.

With a performance unequalled by any other device, the Ultraflow™ Demand Valve facilitates better patient outcomes and more effective therapy.

Technical Description

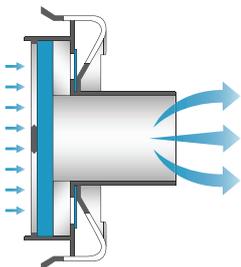
The Ultraflow™ Analgesic Demand Valve is intended for the self-administration of oxygen or O₂/N₂O gas mixtures. Each Ultraflow™ Demand Valve benefits from a precision engineered and exceptionally hard ruby valve seat. This unique design eliminates wear and ensures a leak free seal, eliminating the recurrent cost of routine maintenance.

Unlike a conventional breathing system filter, the Ultraflow™ Exhalation Valve directs exhaled gas away from the delivery device through a one-way valve, eliminating the risk of handset contamination. It also prevents the inhaled gas being diluted by ambient air. The unique one-way valve eliminates filter media resistance during exhalation, resulting in less patient effort throughout the entire breathing cycle.



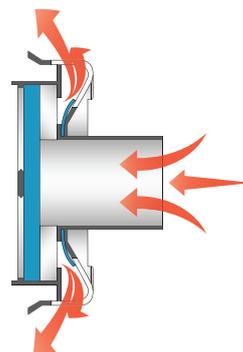
Inhalation

During inhalation gas flows through an electrostatic with exceptionally low resistance to flow. The ultra-low resistance 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:	O ₂ /N ₂ O mixtures (oxygen models also available)
Supply Pressure:	310 kPa to 600 kPa
Nominal Valve Cracking Pressure:	< 0.18 cmH ₂ O
Peak Flow:	> 250 L/min
Inlet Filtration:	25 µm nominal pore stainless steel mesh
Intended Life:	10 years
Service Interval:	5 years
Warranty Period:	5 years
	Mini AGA - Scandinavia, Germany ^(A)
	SANS 1409 - South Africa ^(B)
	BS 5682 - UK ^(C)
Inlet Connections	1/4" BSP ^(D)
	AS 2902 - Australia ^(E)
	DISS (CGA V-5) - US, Canada ^(F)
	AFNOR - France ^(G)
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

Exhalation Valves

