

G1 Full Face Mask – A New Level of Comfort and Safety



Features and Benefits	
Enhanced COMFORT 	<ul style="list-style-type: none"> ✓ Broad sealing line for ultimate tightness and comfort ✓ Optimised balance point and greater freedom for head movement ✓ Low profile and weight ✓ Low inhalation and exhalation resistance ✓ Perfect fit with 3 sizes for face blank and nose cup
Undistracted VIEW 	<ul style="list-style-type: none"> ✓ Flat lens design prevents optical refractions and reflections ✓ More than 90% of the natural field of vision ✓ Optimised airflow continuously flushes the lens to avoid fogging
Easy MAINTENANCE 	<ul style="list-style-type: none"> ✓ Acoustic and feel feedback when fitting major components ✓ Reduced time for typical maintenance procedures and preparation for safe cleaning ✓ Disassembly in less than 30 seconds ✓ Significantly tougher lens for increased protection when cleaning and disinfecting
State-of-the-Art COMMUNICATION 	<ul style="list-style-type: none"> ✓ Ideal position of speech diaphragm for high quality voice transmission ✓ C1 headset easily attaches to the outside of the G1 mask, integrating seamlessly with the mask design ✓ Microphone design protects against surrounding sound (no transmission of unwanted noise) ✓ Single interchangeable C1 headset between users provides lower cost-of-ownership



PS-MaXX Push-to-connect



M45x3



ESA



G1 fixed Push-to-connect



G1 Mask – Technical Specifications

Approvals and Antistatic Properties			
Approvals	EN 136: 1998, class 3+		
Antistatic Properties	Harness	Rubber	I M1 II 1G IIC II 1D
		Textile (Kevlar)	
	Faceblank		I M1 II 1G IIC II 1D
	Neck strap	Rubber	I M1 II 1G IIC II 1D
		Textile (Nomex)	I M1 II 1G IIB II 2G IIC II 1D
	Filter adapter	For fixed Push-to-connect	I M1 II 1G IIC II 1D
	Connector pieces	Push-to-connect	I M1 II 1G IIC II 1D
		M45x3	
		ESA	
	Lens	Standard lens	I M1 II 1G IIC II 1D
Anti-fog lens		I M1 II 1G IIA II 2G IIB II 1D	
Anti-scratch lens		I M1 II 1G IIB II 2G IIC II 1D	



G1 Mask – Technical Specifications

Material	
Face blank	NR/NBR rubber
Nose cup	Silicone
Head harness	Rubber: NR/NBR Textile: Kevlar
Lens frame	Nylon (PA)
Lens	Polycarbonate Polycarbonate with hard coat APEC with hard coat and antifog
Neck strap	Rubber: CR Textile: Nomex
Helmet adapters	Stainless steel

Specifications		
Weight and Dimensions	Weight	Dimensions (HxWxD)
G1 mask with net harness	Approx. 630 g	225 x 185 x 135 mm
G1 mask with rubber harness	Approx. 650 g	225 x 185 x 135 mm
G1 mask with helmet adapter	Approx. 720 g	225 x 250 x 135 mm
Total Inward Leakage	Requirements EN	Typical Values
Inward Leakage	≤ 0.05%	≤ 0.01%
Airway Resistance	Requirements EN	Typical Values
Exhalation resistance at 10 l/min	≥ 4.2 mbar starting pressure	~ 4.8 mbar starting pressure
Exhalation resistance at 25*2.0 l/min	≤ 7.0 mbar positive pressure	~ 5.5 mbar positive pressure
Exhalation resistance at 40*2.5 l/min	≤ 10.0 mbar positive pressure	~ 7.0 mbar positive pressure
Inhalation resistance at 40*2.5 l/min	≤ 3.5 mbar low pressure	~ 2.6 mbar low pressure
Field of Vision	Requirements EN	Typical Values
Field of view	≥ 70%	≥ 90%
Overlapped field of view	≥ 80%	≥ 85%



G1 Full Face Mask – Assembly To Order (ATO) Overview

A	B	C	D	E	F	G
Lens	Faceblank Size	Faceblank Material	Nose Cup Size	Head Harness	Neck Strap	LGVD Connection
E Polycarbonate non-coated C Polycarbonate coated A APEC coated H Polycarbonate non-coated, HMC K Polycarbonate coated, HMC G APEC coated, HMC	S Small M Medium L Large	1 Hycar	S Small M Medium L Large	4 4-point Net E 5-point Rubber H HMC	0 None C Cloth Textile R Rubber H Cloth Textile, HMC	1 G1 Push-to-connect P PS-MaXX Push-to-connect M M45x3 E ESA (M45x3 and adapter) U PS-MaXX C1 ready V M45x3 C1 ready W ESA C1 ready

HMC = Helmet-Mask Combination
LGVD = Lung-Governed Demand Valve

