

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



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



PS-MaXX Push-to-connect



M45x3



ESA



G1 fixed Push-to-connect

## G1 Mask – Technical Specifications

Approvals and Antistatic Properties			
<b>Approvals</b>	EN 136: 1998, class 3+		
<b>Antistatic Properties</b>	<b>Harness</b>	Rubber	I M1 II 1G IIC II 1D
		Textile (Kevlar)	
	<b>Faceblank</b>		I M1 II 1G IIC II 1D
	<b>Neck strap</b>	Rubber	I M1 II 1G IIC II 1D
		Textile (Nomex)	I M1 II 1G IIB II 2G IIC II 1D
	<b>Filter adapter</b>	For fixed Push-to-connect	I M1 II 1G IIC II 1D
	<b>Connector pieces</b>	Push-to-connect	I M1 II 1G IIC II 1D
		M45x3	
		ESA	
	<b>Lens</b>	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
<b>E</b> Polycarbonate non-coated <b>C</b> Polycarbonate coated <b>A</b> APEC coated <b>H</b> Polycarbonate non-coated, HMC <b>K</b> Polycarbonate coated, HMC <b>G</b> APEC coated, HMC	<b>S</b> Small <b>M</b> Medium <b>L</b> Large	<b>1</b> Hycar <b>2</b> UE Hycar	<b>S</b> Small <b>M</b> Medium <b>L</b> Large	<b>4</b> 4-point Net <b>E</b> 5-point Rubber <b>H</b> HMC	<b>0</b> None <b>C</b> Cloth Textile <b>R</b> Rubber <b>H</b> Cloth Textile, HMC	<b>1</b> G1 Push-to-connect NFPA approved <b>2</b> G1 Push-to-connect EN approved <b>P</b> PS-MaXX Push-to-connect <b>M</b> M45x3 <b>E</b> ESA (M45x3 and adapter) <b>U</b> PS-MaXX CI ready <b>V</b> M45x3 CI ready <b>W</b> ESA CI ready

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

A-G1FP-