

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



| Features and Benefits             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enhanced<br>COMFORT               |  | <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>                                                                                                    |
| Undistracted<br>VIEW              |  | <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>                                                                                                                                                                                       |
| Easy<br>MAINTENANCE               |  | <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>                                                                                      |
| State-of-the-Art<br>COMMUNICATION |  | <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 |                        |                           |                                         |
|-------------------------------------|------------------------|---------------------------|-----------------------------------------|
| Approvals                           | EN 136: 1998, class 3+ |                           |                                         |
| Antistatic Properties               | Harness                | Rubber                    | I M1<br>II 1G IIC<br>II 1D              |
|                                     |                        | Textile (Kevlar)          | II 1D                                   |
|                                     | Faceblank              |                           | I M1<br>II 1G IIC<br>II 1D              |
|                                     | Neck strap             | Rubber                    | I M1<br>II 1G IIC<br>II 1D              |
|                                     |                        | Textile (Nomex)           | I M1<br>II 1G IIB<br>II 2G IIC<br>II 1D |
|                                     | Filter adapter         | For fixed Push-to-connect | I M1<br>II 1G IIC<br>II 1D              |
|                                     | Connector pieces       | Push-to-connect           | I M1<br>II 1G IIC<br>II 1D              |
|                                     |                        | M45x3                     |                                         |
|                                     |                        | ESA                       |                                         |
|                                     | Lens                   | Standard lens             | I M1<br>II 1G IIC<br>II 1D              |
|                                     |                        | Anti-fog lens             | I M1<br>II 1G IIA<br>II 2G IIB<br>II 1D |
|                                     |                        | Anti-scratch lens         | I M1<br>II 1G IIB<br>II 2G IIC<br>II 1D |



## G1 Mask – Technical Specifications

| Material        |                                                                                  |
|-----------------|----------------------------------------------------------------------------------|
| Face blank      | NR/NBR rubber                                                                    |
| Nose cup        | Silicone                                                                         |
| Head harness    | Rubber: NR/NBR<br>Textile: Kevlar                                                |
| Lens frame      | Nylon (PA)                                                                       |
| Lens            | Polycarbonate<br>Polycarbonate with hard coat<br>APEC with hard coat and antifog |
| Neck strap      | Rubber: CR<br>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                                                                                                        | LGDV Connection                                                                                                                                                                                                                                                                                                     |
| <b>E</b><br>Polycarbonate non-coated<br><br><b>C</b><br>Polycarbonate coated<br><br><b>A</b><br>APEC coated<br><br><b>H</b><br>Polycarbonate non-coated, HMC<br><br><b>K</b><br>Polycarbonate coated, HMC<br><br><b>G</b><br>APEC coated, HMC | <b>S</b><br>Small<br><br><b>M</b><br>Medium<br><br><b>L</b><br>Large | <b>1</b><br>Hycar<br><br><b>2</b><br>UE Hycar | <b>S</b><br>Small<br><br><b>M</b><br>Medium<br><br><b>L</b><br>Large | <b>4</b><br>4-point Net<br><br><b>E</b><br>5-point Rubber<br><br><b>H</b><br>HMC | <b>0</b><br>None<br><br><b>C</b><br>Cloth Textile<br><br><b>R</b><br>Rubber<br><br><b>H</b><br>Cloth Textile, HMC | <b>1</b><br>G1 Push-to-connect NFPA approved<br><br><b>2</b><br>G1 Push-to-connect EN approved<br><br><b>P</b><br>PS-MaXX Push-to-connect<br><br><b>M</b><br>M45x3<br><br><b>E</b><br>ESA (M45x3 and adapter)<br><br><b>U</b><br>PS-MaXX CI ready<br><br><b>V</b><br>M45x3 CI ready<br><br><b>W</b><br>ESA CI ready |

HMC = Helmet-Mask Combination

LGVD = Lung-Governed Demand Valve

A-G1FP-