



Operating Manual
G1 Facepiece



Order No.:D2058000/07

The Declaration of Conformity can be found under the following link: <https://MSAsafety.com/DoC>.

MSA is a registered trademark of MSA Technology, LLC in the US, Europe and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.



The Safety Company

MSA Europe GmbH
Schlüsselstrasse 12
8645 Rapperswil-Jona
Switzerland

For your local MSA contacts, please go to our website www.MSAsafety.com

Contents

1	Safety Regulations	5
1.1	Correct Use	5
1.2	Liability Information	5
1.3	Safety and Precautionary Measures	6
2	Description	7
2.1	Mask Versions	8
2.1.1	Harness Versions	8
2.1.2	Component Housing Versions	9
2.2	G1 Heads-Up Display (HUD)	9
2.3	Filter Adapter	9
2.4	Marking	10
2.5	Certification	10
2.6	ATEX Categories	11
2.7	CBRN	12
3	Use	13
3.1	Donning	14
3.2	Leak Check	15
3.3	Removing the Mask	16
4	Spectacle Kit	17
5	Cleaning, Disinfection	20
5.1	Preparing the Mask for Cleaning or Disinfection	20
5.2	Suitable Cleaning and Disinfection Procedures	21
6	Maintenance	22
6.1	Maintenance Instructions	22
6.2	Maintenance Intervals	22
6.3	Component Housing Cover	23
6.3.1	Removing the Component Housing Cover	23
6.3.2	Installing the Component Housing Cover	24

6.4	Maintenance of the Exhalation Valve	25
6.4.1	Removing the Spring Retainer and Exhalation Valve	25
6.4.2	Installing the Spring Retainer and Exhalation Valve	26
6.5	Replacing the Speech Diaphragm	27
6.6	Tightness Test of the Mask	27
6.7	Visual Test and Function Test	27
7	Safekeeping and Storage	28
8	Ordering Information	29
8.1	Exploded View	29
8.2	Spare Parts and Accessories	30
8.3	ATO Code	33
8.3.1	Application E - Europe EN136 PC (Standard lens "P")	34
	Application C - Europe EN136 PC TP TC 019/2011, GOST	
8.3.2	R 53257-2009 in combination with "P", "U" and "M" (Anti- scratch lens "H")	35
8.3.3	Application A - Europe EN 136 APEC (Anti-fog lens "A")	36

1 Safety Regulations

1.1 Correct Use

G1 Facepieces - hereafter called masks - are full face masks with a positive pressure connection. They are not complete respiratory protective devices by themselves, but serve as facepieces [EN 136 CL3+] for use with compressed air breathing apparatus of the G1 series and respiratory filters.

The mask as part of a respiratory protective device ensures an appropriately tight fit of the user's face against the ambient atmosphere.

When using a compressed air breathing apparatus, the operating manual for the compressed air breathing apparatus must be read and observed.

If the mask is used as part of a filtering device using the filter adapter, respiratory protective filters equipped with a standardized thread according to EN 148-1 must be used. The type and concentration of contaminants and the oxygen concentration in the ambient air must be known to decide if the use of a filtering device is permissible. The instructions for use of the respiratory filters have to be regarded, including any information regarding the use in potentially explosive atmospheres. When in doubt use a supplied air breathing apparatus. The permitted minimum oxygen concentration of ambient air depends on national regulations.

When used in oxygen or an enriched-oxygen atmosphere, the increased potential hazard of flammability has to be regarded.

WARNING!

According to the European directive 89/656/EC it has to be verified before first use of the mask that a correct size has been chosen (proper tight fit), that the mask can be worn in combination with other protective equipment (for example a protective jacket), that it is a correct choice for the conditions at the particular place of use and that it fulfills the ergonomic requirements.

Failure to follow this warning can result in serious personal injury or death.

WARNING!

Read this manual carefully before using the device. The device will perform as designed only if it is used and maintained in accordance with the manufacturer's instructions. Otherwise, it could fail to perform as designed and persons who rely on this device for their safety could sustain serious personal injury or death.

Before use the product operability must be verified. The product must not be used if the function test is unsuccessful, it is damaged, a competent servicing/maintenance has not been made, genuine MSA spare parts have not been used.

Failure to follow this warning can result in serious personal injury or death.

1.2 Liability Information

MSA accepts no liability in cases where the product has been used inappropriately or not as intended. The selection and use of the product are the exclusive responsibility of the individual operator.

Product liability claims, warranties also as guarantees made by MSA with respect to the product are voided if it is not used, serviced, or maintained in accordance with the instructions in this manual.

Changes and modifications not expressly approved by the manufacturer will void the user's authority to operate the equipment.

1.3 Safety and Precautionary Measures

- The device may be used in explosive atmospheres according to the class stated in the ATEX certification, see chapter 2.6 .
- The ATEX class of any other equipment used together with this device has to be regarded as well. The lowest class sets the limit.
- If the device is used in an explosive atmosphere, dissipative clothes and footwear must be used in conjunction with dissipative grounds. When used in explosive atmospheres there must be direct contact between the head harness and the head. Do not use head coverings (e.g. fire hoods) under the head harness.
- If the device is used in an explosive atmosphere, the neck strap has to be correctly attached to the mask with carabiner hooks, see chapter 2.6 . (The rubber neck strap has to be attached to the metal rings of the harness, the textile neck strap has to be attached to the lens ring with carabiner hooks.)

2 Description

The inhalation air flows from the component housing of the mask past the inhalation valve to the inside of the lens (thus keeping the lens fog-free) and then through the inlet valves into the nosecup.

The exhalation air passes through the exhalation valve directly to the ambient air.

Fixed Push-to-Connect component housing only: If in a safe atmosphere no demand valve is attached, ambient air can be inhaled directly through an open port to facilitate breathing and speaking with no resistance.

The faceblank is made of a special soft rubber compound and assures a snug, comfortable fit and a tight seal. The mask and the nosecup are available in 3 sizes (small, medium, large).

The mask is available with different head harnesses and different component housings.

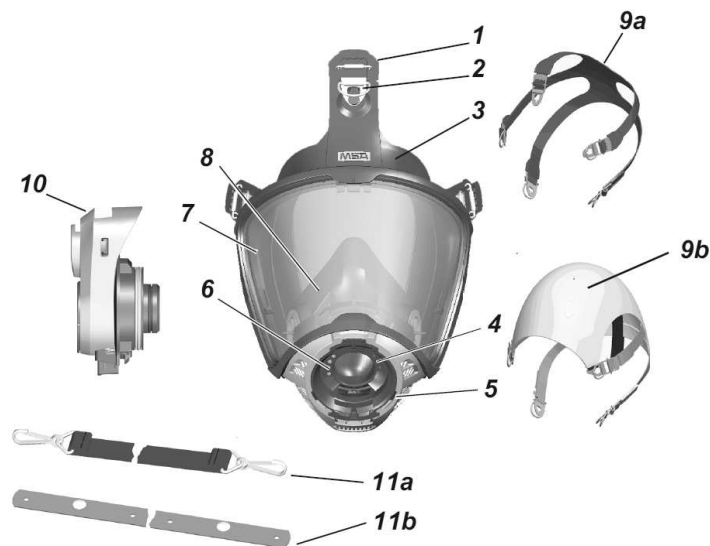


Figure 1 Overview (not true to size)

1	Forehead strap	8	Nosecup
2	Buckle	9a	Head harness rubber
3	Faceblank	9b	Head harness Kevlar
4	Light pipes, left (fixed Push-to-Connect only)	10	Filter adapter
5	Component housing	11a	Nomex (textile) neck strap
6	Light pipes, right (fixed Push-to-Connect only)	11b	Rubber neck strap
7	Lens		

2.1 Mask Versions

2.1.1 Harness Versions

The mask is available with different head harnesses; Kevlar (textile) 4-point or rubber (5-point). The rubber head straps are numbered to indicate the correct tightening sequence.

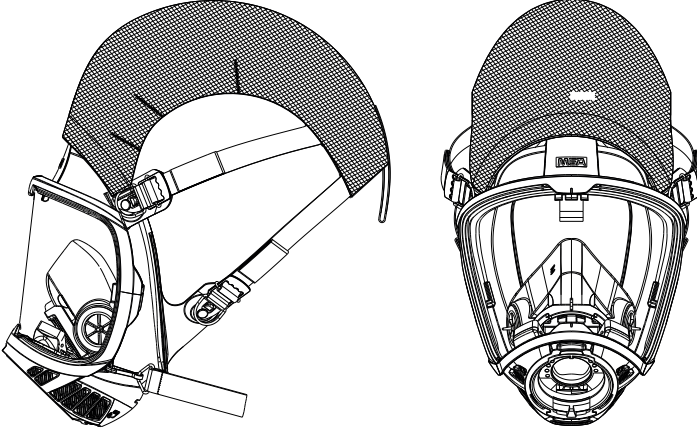


Figure 2 Kevlar (textile) harness

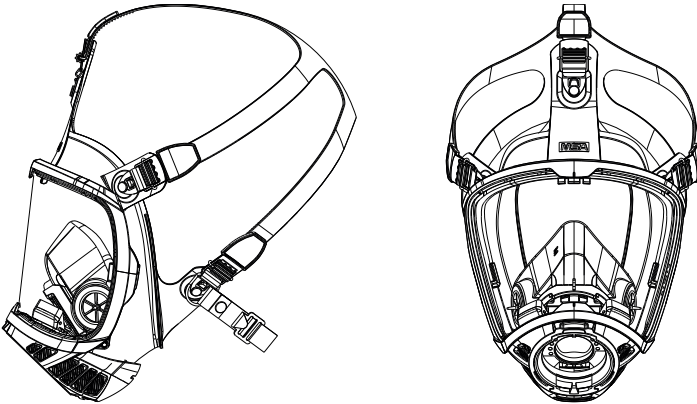


Figure 3 Rubber harness

2.1.2 Component Housing Versions

The mask is available with different component housings:

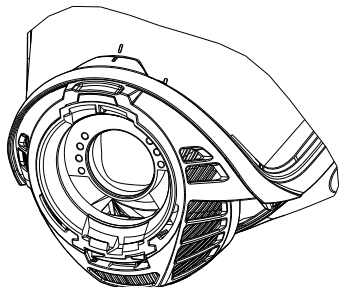


Figure 4 Fixed Push-To-Connect

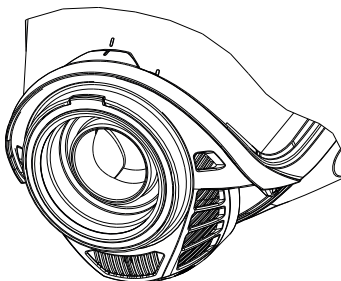


Figure 5 Push-To-Connect (AS)

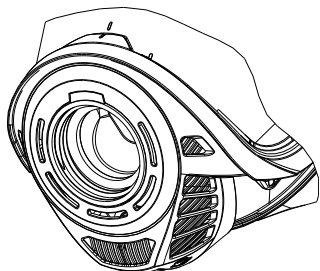


Figure 6 M45x3

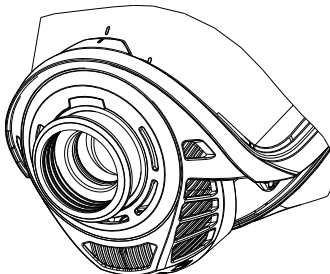


Figure 7 ESA

2.2 G1 Heads-Up Display (HUD)

When the mask version with the G1 fixed Push-to-Connect component housing is used in connection with a G1 SCBA, the light pipes on the mask are part of the HUD. The HUD is integrated into the demand valve and projects light into the mask.

The HUD provides the pressure and alarm status to the user through light pipes into the mask. The pressure status is on the right side of the user, while the alarm status is on the left side of the user.

For details about the HUD, see G1 SCBA operating manual.

2.3 Filter Adapter

Using the filter adapter with the G1 fixed Push-to-Connect component housing, protective filters equipped with a standardized thread according to EN 148-1 can be attached to the mask. The instructions for use of the respiratory filters have to be regarded, including any information regarding the use in potentially explosive atmospheres.

2.4 Marking

The mask is marked on the outer faceblank (→ Figure 8).



Figure 8 Marking of mask body

- 1 Manufacturing location code
- 2 Serial number
- 3 For applicable ATEX classification, see operating manual.
- 4 EN standard, class
- 5 CE-marking with notified body number (DEKRA, Zertifizierungsstelle Dinnendahlstr. 9, 44809 Bochum)
- 6 Part number/ATO code

2.5 Certification

The masks comply with the following directives, standards or standardized documents:

Approvals	
Regulation (EU) 2016/425	
CE	0158
EN 136: 1998, class 3+	
DEKRA	DEKRA Testing and Certification GmbH, Dinnendahlstr. 9, 44809 Bochum, Germany, Notified Body number: 0158
BS 8468-1:2006	depending on ATO configuration (→ chapter 2.7)

The Declaration of Conformity can be found under the following link: <https://MSAsafety.com/DoC>.

2.6 ATEX Categories

The lowest ATEX class of a part sets the limit for the complete device.

G1 Facepiece		
Harness	Rubber	I M1 II 1G IIC II 1D
	Kevlar (Textile)	I M1 II 2G IIB II 1D
Faceblank		I M1 II 1G IIC II 1D
Neck strap	Rubber	I M1 II 1G IIC II 1D
	Textile	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 IIB II 1D
	Anti-fog lens	I M1 II 1G IIB II 1D
	Anti-scratch lens	I M1 II 1G IIC II 1D

Example:

ATO: A-M/1-M-E-R-P

A= Anti-fog lens

M/1= Faceblank: Medium

M= Nosecup: Medium

E= Head Harness: Rubber

R= Neck strap: Rubber

P= Regulator: Push to Connect

Atex Category:

I M1

II 1G IIB

II 1D

2.7 CBRN

In conjunction with M1 SCBA the following ATO configurations fulfill the requirements of BS 8468-1:2006.

Respiratory protective devices for use against chemical, biological, radiological and nuclear (CBRN) agents - Part 1: positive pressure, self contained, open-circuit breathing apparatus – Specification.

ATO configuration C-(S/1 or M/1 or L/1)-(S or M or L)-(4 or E)-(O or C or R)-(P or M or E or U or V or W), see chapter 8.3 .

The Operating Manual M1 Modular SCBA System must be observed.

3 Use

The mask is carried using the neck strap in front of the chest. To ensure protection from dirt and debris, ensure the mask opening is towards the user's body.



WARNING!

When used in explosive atmospheres there must be direct contact between the head harness and the head. Do not use head coverings (e.g. fire hoods) under the head harness.

Failure to follow this warning can result in serious personal injury or death.



WARNING!

Ensure that the top of the mask seal **only** lies on the user's forehead. Hair or spectacle side arms should not be between the mask's seal and the user's skin.

The mask could otherwise leak. This danger also exists for instance for mask wearers with beards or deep scars in the sealing area.

Failure to follow this warning can result in serious personal injury or death.



WARNING!

In order to guarantee a proper fit for those wearing glasses, the G1 Facepiece spectacle kit **must** be worn since ordinary glasses **cannot** be worn under the mask.

Failure to follow this warning can result in serious personal injury or death.

NOTICE

Do not use an ESA plug-in connector according to EN 148-1 in combination with a standard thread connection for breathing apparatuses with negative pressure. Failure to do so can result in damage to the mask.



When using the mask with respiratory filters, the exhalation resistance of the mask is increased.

3.1 Donning



1. Spread the harness with both hands.



2. Position the chin into the chin cup.



3. Pull the head straps over your head.
 - a. Ensure that the harness is sitting correctly and is not twisted.



4. Adjust mask and tighten the straps firmly and evenly.
 - a. Tighten the lower straps first by pulling them straight back, not out.
 - b. Tighten the temple straps in the same manner.
 - c. If present, tighten the top strap for best visibility and fit.

3.2 Leak Check

In order to check the mask-to-face tightness a leak test must be performed before each use.



1. Seal the inlet (component housing) with the palm of your hand or by attaching the non-pressurized regulator.



2. Check tightness.
 - a. Inhale and hold breath for a few seconds.
 - b. The mask must stay collapsed on face.
 - c. Exhale.

The exhalation valve should open and release the pressure inside the mask.

3. If necessary retighten the straps.

If the leak check fails, re-don the mask.

If the leak check still fails, the mask must not be used.

3.3 Removing the Mask



1. Loosen the head harness by pulling the buckles forward using your fingers.



2. Grip the chin straps and pull the head harness forward over the head.



3. Grip the front of the mask (as shown) and pull the mask away and down from the user.

4 Spectacle Kit



WARNING!

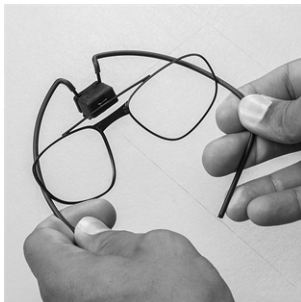
Before using a spectacle kit, an optometrist must examine the spectacle kit and prescribe the correct lenses to fit into the lens frame on the spectacle kit.

Failure to follow this warning can result in serious personal injury or death.



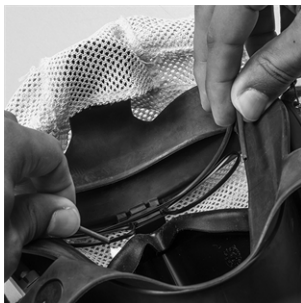
1. Flip the head harness over the front of the mask so the harness is covering the lens of the mask.

This will open up the faceblank to make it easier to install the spectacle kit.



2. Squeeze in on the wire frame of the spectacle kit at the large bends about 5 cm from the ends.

Do not overbend the wire.



3. Push the top part of the frame into the lens. The faceblank has three rubber tabs to grab the frame.
 - a. Place the frame in the middle of the lens with the smaller tabs grabbing the wire frame.



4. Take one end of the wire frame and push it up into the mask so it follows the edge where the lens and the faceblank meet.
 - a. The end of the wire frame must be positioned into small pockets in the faceblank on the edge of the lens.



5. Repeat step (4) on the opposite side.



6. The frame for the spectacles can be adjusted up/down and in/out depending on the facial features. Don the mask and adjust to optimize visibility.

5 Cleaning, Disinfection

The cleaning and disinfection of the masks is performed in accordance with the cleaning intervals (→ chapter 6.2).



Follow the Cleaning and Disinfection Guidelines on the CD/DVD.

For online version scan the QR code or go to the product page on www.MSAafety.com.



The power supply for the HUD (if applicable) is not part of the G1 Facepiece and is therefore not damaged during cleaning.



After CBRN application special procedures for cleaning may be necessary, depending on the contaminant.



WARNING!

Do not use cleaning products containing hydrocarbons or solvents [e.g. nitro-thinner].
Cleaned parts must not be dried in radiant heat [sun, radiators].

When using a drying cabinet, the temperature must not exceed $+45^{\circ}\text{C} \pm 5^{\circ}\text{C}$.

Perform a tightness test (→ chapter 6.6) after every cleaning, disinfection and maintenance or after every exchange of parts.

Failure to follow this warning can result in serious personal injury or death.

5.1 Preparing the Mask for Cleaning or Disinfection

1. Remove inhalation and exhalation valve discs.
2. Unbutton the nosecup.
3. Removed components must be separately cleaned and disinfected.
4. Dry mask and components and reassemble mask in reverse order.
5. Perform a tightness test (→ chapter 6.6).

5.2 Suitable Cleaning and Disinfection Procedures

⚠ WARNING!

Depending on lens type, only certain cleaning and disinfection procedures are permitted. Only use the procedures permitted for the lens type, other procedures will damage the lens.
Failure to follow this warning can result in serious personal injury or death.

Procedure	Mask with Standard Lens (Marking P)	Mask with Anti-Fog Lens (Marking A)	Mask with Anti-Scratch Lens (Marking H)
Cleaning/Disinfection by hand	X	X	X
Machine Cleaning/Disinfection	X	---	X

Lens Identification

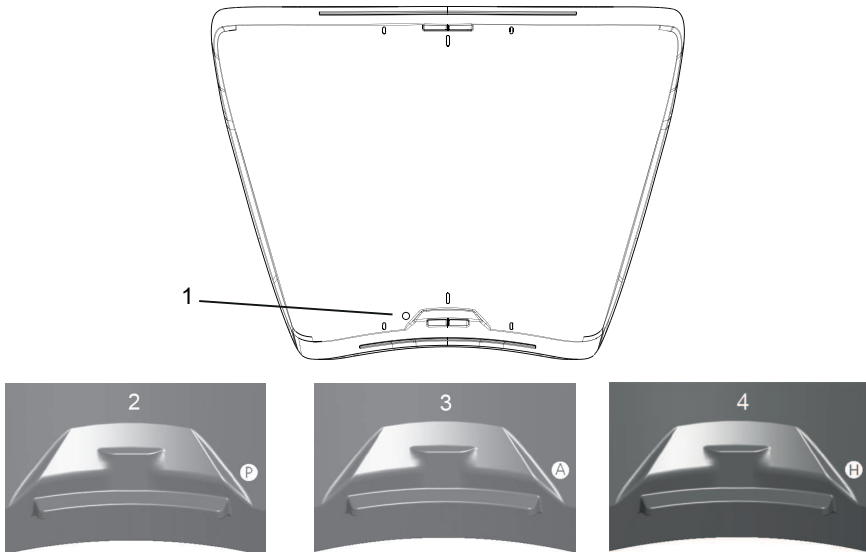


Figure 9 Marking

- 1 Marking placement
- 2 Mask with Standard Lens (Marking P)
- 3 Mask with Anti-Fog Lens (Marking A)
- 4 Mask with Anti-Scratch Lens (Marking H)

6 Maintenance

6.1 Maintenance Instructions

This product should be regularly checked and serviced by trained specialists. Inspection and service records must be maintained. Always use original parts from MSA.

Repairs and maintenance must be carried out only by authorized service centres or by MSA. Changes to devices or components are not permitted and will result in loss of approval.

MSA is liable only for maintenance and repairs carried out by MSA.



MSA recommends the following maintenance intervals. If necessary considering the usage, tasks may be at even shorter intervals than indicated.

Observe national laws and regulations!

If in any doubt, ask your local MSA contact person.

6.2 Maintenance Intervals

Work to be Performed	Maximal Intervals				
	Before Use	After Use	Semi-annually	Two years	Six years
Cleaning and Disinfection		X	X ¹⁾	X ²⁾	
Visual, Functional and Tightness Check		X	X ¹⁾	X ²⁾	
Replacement of the exhalation valve disc					X
Replacement of the Speech Diaphragm and O-Ring (for component housing)					X
Replacement of <ul style="list-style-type: none"> • O-Ring/Gasket, ESA-Adapter • Gasket, M45x3 					X
User check	X				

1) For mobile stocked facepieces [for example transport on vehicles]. After each cleaning and disinfection the facepiece must be checked.

2) For a 2-year interval cleaned and disinfected facepieces have to be stored airtight and not mobile. Otherwise facepieces should be cleaned and disinfected at least semi-annually. After each cleaning and disinfection the facepiece must be checked.

6.3 Component Housing Cover

6.3.1 Removing the Component Housing Cover



WARNING!

Never hold the piece you are working on in your hand when using screwdriver. Always lay it on a workbench or place it in a vice.

Failure to follow this warning can result in serious personal injury or death.



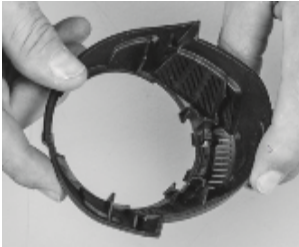
Fixed Push-to-Connect (G1)

1. Insert a small flat blade screwdriver into the tabbed slot below the connector.



Push-to-Connect AS/M45x3/ESA

1. Insert the delatching tool (10204283-SP) into the tabbed slot with below the connector.
2. Leverage the tool down to unlock until it unsnaps.
3. Rotate the cover off of the facepiece.



4. Inspect the component housing cover.
Discard if cracked or otherwise damaged.

**CAUTION!**

Be careful not to damage internal parts of the component housing assembly (exhalation valve, spring, retainer, or speaking diaphragm) once the cover is removed.

Failure to follow this caution can result in minor or moderate injury.

6.3.2 Installing the Component Housing Cover



1. Hook the top of the cover to the top tab of the component housing assembly.



2. Press the cover over the front of the component housing assembly until the locking tab snaps into place with an audible click.

NOTE: Apply even pressure on both sides of the cover to snap the locking tab securely onto the component housing assembly.

6.4 Maintenance of the Exhalation Valve

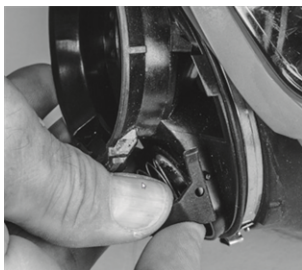


The year of manufacture is located on the valve disc.

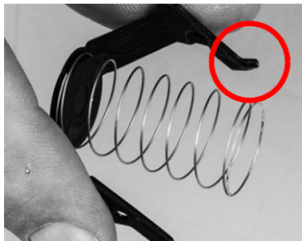
In case of a leak remove the exhalation valve disc and replace it with a new one as follows:

6.4.1 Removing the Spring Retainer and Exhalation Valve

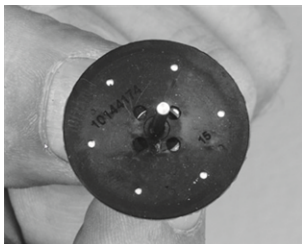
1. Remove the component housing cover (→ chapter 6.3).



2. Pull one side of the spring retainer fork off of the locking lug and out of the slot until the spring retainer releases.

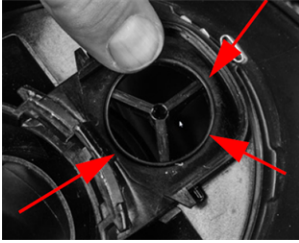


3. Inspect the spring retainer and spring.
Discard if the spring is deformed, the retainer forks are broken, or if the retainer is otherwise damaged.



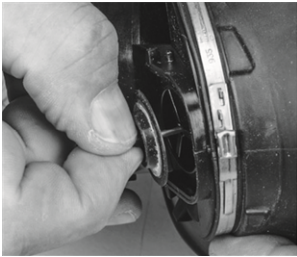
4. Remove the exhalation valve.
Discard if the valve is torn, tacky, or otherwise damaged.

NOTE: Be careful not to damage the fork seats or valve seat. If either is damaged, replace the component housing.



5. Inspect the valve seat in the component housing.
If any blemishes or damage is present, replace the component housing.

6.4.2 Installing the Spring Retainer and Exhalation Valve



1. Insert the exhalation valve stem into the housing assembly.
NOTE: Ensure the valve stem is inserted into the center slot.



2. Fit the spring over the ring of the exhalation valve.



3. Align the forks on the flat surface of the component housing and slide forward until each fork snaps into place.

4. Re-assemble the component housing cover (→ chapter 6.3.2).

6.5 Replacing the Speech Diaphragm

1. Unbutton the nose cup.
2. Unscrew the threaded socket from the mask inside with the special tool.
3. Remove the O-ring and the speech diaphragm.
4. Insert the new speech diaphragm:
 - a. Place the speech diaphragm into the component housing with the yellow side visible.
 - b. Reinsert the O-ring.
5. Screw in the threaded socket with the special tool (Torque: 5 Nm).
6. Perform a tightness test (→ 6.6).

6.6 Tightness Test of the Mask



The testing of the masks for tightness is performed using an applicable MSA test device (i. e. SmartCHECK) in accordance with the relevant operating manual.

1. Fit mask tight onto the test device.
2. Test mask according to test device operating manual.

The mask including the exhalation valve meets the requirements if for a moistened exhalation valve and a vacuum of 10 mbar generated inside the mask the pressure change does not exceed 1 mbar in a minute.

Leaking masks must not be used.

Opening Pressure Test of the exhalation valve

The opening pressure of the exhalation valve has to be at least 4.2 mbar, otherwise the mask must not be used.

6.7 Visual Test and Function Test

Visual Test

1. Inspect the mask for possible damages like for example deformations, stickings or cracks. Valve discs, especially exhalation valve discs, are crucial functional elements of the mask.
2. Defective or damaged parts have to be replaced immediately.

Functional Test

After assembling the mask the mobile parts, especially the valve discs, have to be tested for unrestricted mobility.

1. Inspect the lens for cracks, scratches, and a tight seal with the mask rubber.
2. Ensure the exhalation valve is clean and operates easily. The valve must move off the seat and return when released.
3. Inspect the inlet valve for damage. Ensure the valve disc is in place.

7 Safekeeping and Storage



WARNING!

In order to avoid damage to or the deformation of the masks keep no additional loose objects in the mask container.

Failure to follow this warning can result in serious personal injury or death.

For the safekeeping of the mask the mask container should be used.

MSA rubber products are protected by an anti-aging agent that can become visible as a light coating. This coating is harmless and can be removed during cleaning.

To ensure a long life for rubber components, keep them in a cool, dry place that is protected from ultraviolet radiation, according to ISO 2230:2002, Rubber Products – Guidelines for Storage.

8 Ordering Information

8.1 Exploded View

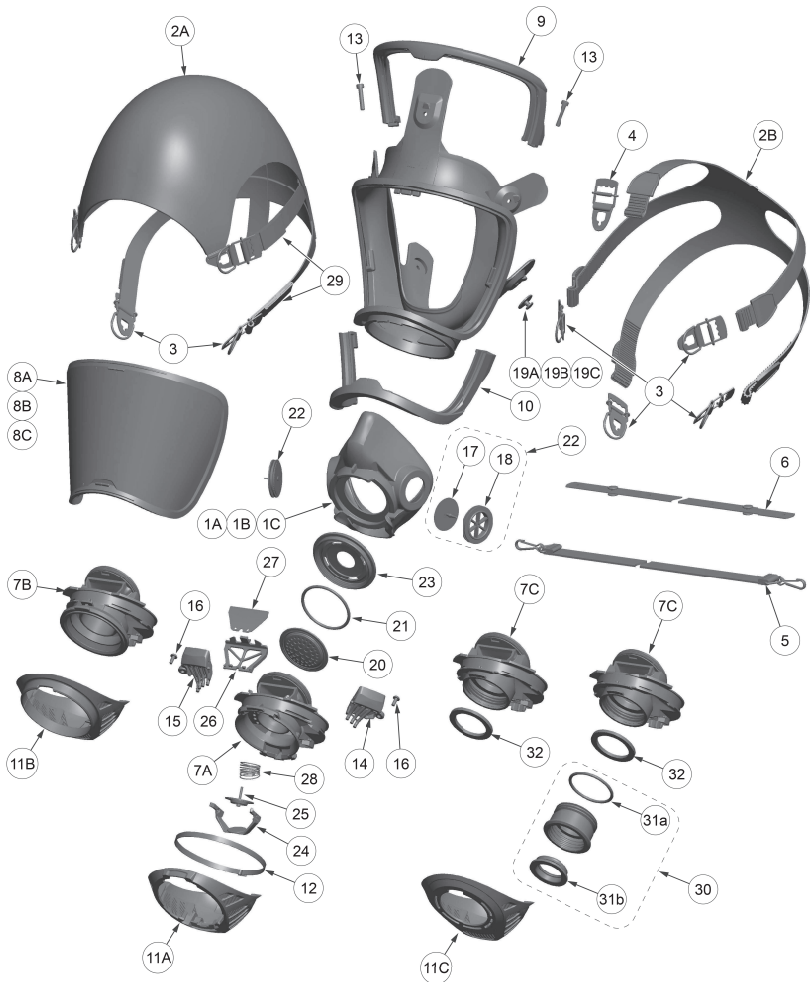


Figure 10 G1 Facepiece exploded view

1	Nosecup	14	Lightpipe assembly, left
2A	Harness, kevlar	15	Lightpipe assembly, right
2B	Harness, rubber	16	Screw 30x8
3	Buckle D-ring	17	Inlet valve
4	Buckle	18	Inlet valve seat
5	Neck strap, cloth	19	Button, head harness
6	Neck strap, rubber	20	Speech diaphragm
7A	Component housing Fixed Push-To-Connect	21	O-ring
7B	Component housing Push-To-Connect	22	Inlet valve assembly
7C	Component housing M45x3	23	Screw ring
8	Lens	24	Retainer, exhalation valve
9	Lens ring, upper	25	Exhalation valve assembly
10	Lens ring, lower	26	Retainer, inhalation valve
11A	Cover, component housing Fixed Push-To-Connect	27	Inhalation valve
11B	Cover, component housing Push-To-Connect	28	Spring, exhalation valve
11C	Cover, component housing M45x3	29	Pullstrap, head harness
12	Clamp, component housing	30	Adapter ESA
13	Screw, lens ring	31A/B	Gasket
		32	Sealing ring

8.2 Spare Parts and Accessories

Item	Description	Part Number
1A	Nosecup small	10149572-SP
1B	Nosecup medium	10149573-SP
1C	Nosecup large	10149574-SP
2A	Harness, Kevlar (4-point)	10144215-SP
2B	Harness, Rubber (5-point) 1x	D2055014-SP
3	Buckle D-ring	10149551-SP
4	Buckle	10144217-SP
5	Neck Strap, Cloth	10144220-SP
6	Neck Strap, Rubber	10159699-SP
7A	Component Housing, Fixed Push-To-Connect (G1)	10144197-SP
7B	Component Housing, Push-To-Connect (AutoMaXX)	10144183-SP
7C	Component Housing, M45x3/ESA	10144163-SP

Item	Description	Part Number
8A	Lens, PC uncoated, G1 Facepiece, Lens, PC 3mm, G1 Facepiece	10168597-SP
8B	Lens, PC coated, G1 Facepiece, Lens, PC-HC 3mm, G1 Facepiece, Spare	10176797-SP
8C	Lens, APEC, G1 Facepiece, Lens, G1 Facepiece	10144194-SP
9	Lens ring, upper	10144195-SP
10	Lens ring, lower	10144196-SP
11A	Cover, component housing, Fixed Push-To-Connect G1	10144187-SP
11B	Cover, component housing, Push-To-Connect (AutoMaXX)	10144190-SP
11C	Cover, component housing, M45x3/ESA	10144189-SP
12	Clamp, component housing	10144222-SP
13	Screw, lens ring	10144221-SP
14	Lightpipe assembly, left	10144180-SP
15	Lightpipe assembly, right	10144204-SP
16	Screw, coated SS, 30x8, threadforming	10144233-SP
17	Inlet valve	10144192-SP
18	Inlet valve seat	10144193-SP
19A	Button, head harness, black (medium)	10144219-SP
19B	Button, head harness, gray (large)	10144235-SP
19C	Button, head harness, green (small)	10144234-SP
20	Speech diaphragm	10202901-SP
21	O-ring	10144232-SP
22	Inlet valve assembly	10144191-SP
23	Screw ring	10144213-SP
24	Retainer, exhalation valve	10204380-SP
25	Exhalation valve assembly	10144174-SP
26	Retainer, inhalation valve	10144208-SP
27	Inhalation valve	10144207-SP
28	Spring, exhalation valve	10193368-SP
29	Pullstrap, G1 head harness	10149556-SP
30	Adapter ESA, G1 Facepiece, spare	10173221-SP
31	Set of gaskets ESA (31A + 31B)	10037709
32	Sealing ring M45x3, spare	D4074180-SP
	Spectacle kit, G1 Facepiece	10144230
	Filter adapter assy, G1 Facepiece	10144231

Item	Description	Part Number
	Speaking diaphragm retaining tool	10149560
	Upgrade kit G1 ESA/M45X3 C1 prepared	10194309
	Upgrade kit G1 MAXX, C1 prepared	10194308
	Delatching Tool, Cover, G1 FP EU (PKG 5)	10204283-SP

8.3 ATO Code

For this product, order numbers have been replaced by an ATO (Assemble To Order) code.

To order a mask according to EN136 PC with a medium sized faceblank, a medium nose cup, rubber head harness, rubber neck strap and Push-To-Connect connector piece, the ATO code would be

E-M/1-M-E-R-P:

Application	E - Europe EN136 PC
	C - Europe EN136 PC
	A - Europe EN 136 APEC
Faceblank Size/Faceblank Material	S/1 -Small Hycar
	M/1 - Medium Hycar
	L/1 - Large Hycar
Nosecup	S - Small
	M - Medium
	L - Large
Head Harness	4 - 4 PT Adjustable
	E - Rubber EU with Buckles
Neck Strap	0 - None
	C - Cloth
	R - Rubber
Regulator Connection	2 - Fixed Push-To-Connect
	P - Push to Connect
	M - M45 x 3
	E - ESA ("M"+ ESA-Adapter)
	U - Push to Connect, C1 ready
	V - M45x3, C1 ready
W - ESA, C1 ready	

The following tables show all possible configurations that can be ordered for the relevant application of the G1 Facepiece

8.3.1 Application E - Europe EN136 PC (Standard lens "P")

Faceblank Size/Faceblank Material	Nosecup	Head Harness	Neck Strap	Regulator Connection
S/1 - Small Hycar	S - Small	4 - 4 PT Adjustable	0 - None	2 - Fixed Push-To-Connect
S/2 - Small Sensitive	M - Medium	E - Rubber EU with buckles	C - Cloth	P - Push to Connect
	L - Large		R - Rubber	M - M45 x 3 E - ESA ("M"+ ESA-Adapter) U - Push to Connect, C1 ready V - M45x3, C1 ready W - ESA, C1 ready
M/1 - Medium Hycar	S - Small	4 - 4 PT Adjustable	0 - None	2 - Fixed Push-To-Connect
M/2 - Medium Sensitive	M - Medium	E - Rubber EU with buckles	C - Cloth	P - Push to Connect
	L - Large		R - Rubber	M - M45 x 3 E - ESA ("M"+ ESA-Adapter) U - Push to Connect, C1 ready V - M45x3, C1 ready W - ESA, C1 ready
L/1 - Large Hycar	S - Small	4 - 4 PT Adjustable	0 - None	2 - Fixed Push-To-Connect
L/2 - Large Sensitive	M - Medium	E - Rubber EU with buckles	C - Cloth	P - Push to Connect
	L - Large		R - Rubber	M - M45 x 3 E - ESA ("M"+ ESA-Adapter) U - Push to Connect, C1 ready V - M45x3, C1 ready W - ESA, C1 ready

8.3.2 Application C - Europe EN136 PC TP TC 019/2011, GOST R 53257-2009 in combination with "P", "U" and "M" (Anti-scratch lens "H")

Faceblank Size/Faceblank Material	Nosecup	Head Harness	Neck Strap	Regulator Connection
S/1 - Small Hycar	S - Small	4 - 4 PT Adjustable	0 - None	2 - Fixed Push-To-Connect
S/2 - Small Sensitive	M - Medium	E - Rubber EU with buckles	C - Cloth	P - Push to Connect
	L - Large		R - Rubber	M - M45 x 3 E - ESA ("M"+ ESA-Adapter) U - Push to Connect, C1 ready V - M45x3, C1 ready W - ESA, C1 ready
M/1 - Medium Hycar	S - Small	4 - 4 PT Adjustable	0 - None	2 - Fixed Push-To-Connect
M/2 - Medium Sensitive	M - Medium	E - Rubber EU with buckles	C - Cloth	P - Push to Connect
	L - Large		R - Rubber	M - M45 x 3 E - ESA ("M"+ ESA-Adapter) U - Push to Connect, C1 ready V - M45x3, C1 ready W - ESA, C1 ready
L/1 - Large Hycar	S - Small	4 - 4 PT Adjustable	0 - None	2 - Fixed Push-To-Connect
L/2 - Large Sensitive	M - Medium	E - Rubber EU with buckles	C - Cloth	P - Push to Connect
	L - Large		R - Rubber	M - M45 x 3 E - ESA ("M"+ ESA-Adapter) U - Push to Connect, C1 ready V - M45x3, C1 ready W - ESA, C1 ready

8.3.3 Application A - Europe EN 136 APEC (Anti-fog lens "A")

Faceblank Size/Faceblank Material	Nosecup	Head Harness	Neck Strap	Regulator Connection
S/1 - Small Hycar	S - Small	4 - 4 PT Adjustable	0 - None	2 - Fixed Push-To-Connect
S/2 - Small Sensitive	M - Medium	E - Rubber EU with buckles	C - Cloth	P - Push to Connect
	L - Large		R - Rubber	M - M45 x 3 E - ESA ("M"+ ESA-Adapter) U - Push to Connect, C1 ready V - M45x3, C1 ready W - ESA, C1 ready
M/1 - Medium Hycar	S - Small	4 - 4 PT Adjustable	0 - None	2 - Fixed Push-To-Connect
M/2 - Medium Sensitive	M - Medium	E - Rubber EU with buckles	C - Cloth	P - Push to Connect
	L - Large		R - Rubber	M - M45 x 3 E - ESA ("M"+ ESA-Adapter) U - Push to Connect, C1 ready V - M45x3, C1 ready W - ESA, C1 ready
L/1 - Large Hycar	S - Small	4 - 4 PT Adjustable	0 - None	2 - Fixed Push-To-Connect
L/2 - Large Sensitive	M - Medium	E - Rubber EU with buckles	C - Cloth	P - Push to Connect
	L - Large		R - Rubber	M - M45 x 3 E - ESA ("M"+ ESA-Adapter) U - Push to Connect, C1 ready V - M45x3, C1 ready W - ESA, C1 ready

