MSA G1 SCBA
Frequently Asked Questions

MSA
The Safety Company

G1 Facepiece

Does the G1 Facepiece accept 40mm CBRN thread?
Yes; use the quick-attach APR adapter to allow the G1 Facepiece to accept a 40mm threaded canister.

Is a neck strap available for the G1 Facepiece?
Yes, in both cloth and rubber construction.

What is the functional life cycle of the anti-fog coating?
Under normal working and cleaning conditions, **no** anti-fog coating degradation has been observed, nor is it expected to occur over the life of the apparatus.

How are sizes indicated on the G1 Facepiece?
Facepiece sizes are indicated via color-coded head harness attachment points, as well as **S**, **M** and **L** indicators on the face blank.

- Green – small
- Black – medium
- Grey – large

What materials are used in G1 Facepiece construction?
Custom-blended Hycar rubber

Is a silicone option available?
Silicone is currently not an option.

Does the G1 Facepiece have an imbedded RFID tag?
RFID is currently available as an option and may be available as standard in the future.

Is the G1 Facepiece head harness one-piece? Is it replaceable separately?
Yes, the head harness is one-piece and can be easily removed to be cleaned or replaced.

Are there plans to offer a dedicated APR facepiece?
Such an option is currently under consideration.

Does the G1 Facepiece provide cross-contamination prevention?
Yes, the G1 Facepiece offers open port breathing while using an inhalation check valve to virtually eliminate potential cross-contamination.

What durability tests have been performed?
The G1 Facepiece has been extensively field and high heat-tested. Further durability testing, such as *squirrel cage* and vibration table testing will be conducted soon.

Has the G1 Facepiece been subjected to cold weather testing?
Yes, at -30 degrees F freezer testing.

G1 Regulator

What do the HUD icons represent?
Pressure Indicators

- 4 green LEDS — 75 to 100%
- 3 green LEDs — 50 to 74%
- 2 yellow LEDs — 36 to 49%
- 1 red LED — 0 to 35%

What occurs if G1 Regulator electronics are immersed in water?
Although immersion is not recommended, G1 Regulator electronics are hermetically sealed within the regulator; the possibility of water reaching the electronics is highly unlikely.

Are slide-to-connect options available?
Currently slide-to-connect is not an option for the G1 SCBA.

Is the breathing sensor tied to data logging?
Breathing is recorded internally; however no data is saved to the data log at this time.

Will the purge option become a standard feature?
At this time there are no plans to make the purge option standard.

ALARM TYPE	ICON DISPLAY	STATE
PASS PRE-ALARM		Red Flashing
PASS FULL ALARM		Red Solid
PASS MANUAL ALARM		Red Solid
ELECTRONICS FAILURE		Red Flashing
PRIMARY TEMPERATURE ALARM (OPTIONAL)		Red Flashing*

ALARM TYPE	ICON DISPLAY	STATE
LCD TEMPERATURE ALARM		Blue Flashing*
MEDIUM PRESSURE ALARM (OPTIONAL)		Blue Flashing*
PRESSURE DROP ALARM (OPTIONAL)		Blue Flashing*
EVACUATE (IF EQUIPPED)		Red Flashing*
EVACUATE CONFIRMED (IF EQUIPPED)		Red Solid*
LOW BATTERY ALARM		Flashing Yellow*

G1 Pressure Reducer

Does the G1 Pressure Reducer connect directly to the cylinder valve?
The cylinder is connected via a pneumatic manifold to the pressure reducer.

Where is the inline filter located?
The inline filter is located within the handwheel assembly.

What occurs following a first-stage regulator failure?
First-stage regulator failure results in a fail-safe open condition; the regulator continues to provide air to the user.

G1 Speaker Module

What is the difference between laser sealed and hermetically sealed?
A laser seal is the method by which a hermetically (air-tight) sealed component is created.

Does the G1 Speaker Module have an IP (ingress protection) rating?
This product is tested and verified to meet stringent NFPA 1982 heat emergence leakage test requirements; however, there is no direct correlation to an IP rating.

How is radio communication affected?
The G1 Speaker Module does not affect radio communications.

Is module corrosion a concern?
No, due to air-tight, hermetically sealed design, corrosion is prevented, as water cannot reach the electronics.

Is the module easily replaceable?
Yes.

Where are on and off speaker module controls located?
The unit automatically turns on and off with the unit; however, to shut off the speaker module while the G1 SCBA is powered on, simply hold down the on/off activation button located at the top of the module.

G1 Control Module

How is cylinder/time remaining calculated?
A custom algorithm processes the last three minutes of use, and through this calculation estimates time remaining.

Is the module Bluetooth-compatible?
Yes.

What is the source of the evacuation signal?
The signal source is the base station tied to a PC run by the incident commander.

How is remaining battery life checked?
If the unit is turned off, press and hold the two green side buttons until the battery icon displays.

If the unit is turned on, push either of the green buttons to reach the secondary screen, where the battery icon displays in the top right corner.

G1 Power Module

What is the life expectancy of the rechargeable battery? How many times can the battery recharge?
300+ cycles.

Please describe the charging system.
The charging system is comprised of a 6-bay charger.

What is estimated charge time?
Charge time is 4 – 6 hours to fully charge from a completely depleted battery.

Will Bluetooth pair with radio frequency?
The Bluetooth pairing scheme is under development; more details to follow.

Is the power module serviceable?
Yes, but the module must be returned to MSA for repair.

What has MSA done to ensure reliability of electronics?
MSA has spent countless hours performing verification testing to help ensure reliability of the most robust SCBA electronics ever developed. MSA believes so strongly in G1 SCBA durability and performance that the company supports this product with a **15-year Warranty.**

G1 Carrier and Harness Assembly

Is the new G1 SCBA compatible with existing cylinders?
Yes; for backward compatibility, a simple bracket kit is easily attached to an existing cylinder using 3 screws. 4 kits are offered to cover all current cylinder diameters.

What section of new cylinders can be custom logoed?
Custom logos appear on the lower cylinder section.

Are handles/drag points still rated the same as previous SCBA?
Yes, 500 lbs on the sides and 1000 lbs on the top.

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