

EU Product Cleaning Guidance

SCBA LGDVs (Demand Valves)



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Based on guidance from the United States Centers for Disease Control and Prevention (CDC) regarding COVID-19, the following cleaning methods may be used for SCBA LGDVs (Demand Valves).

A Note on MSA G1 Facepiece Design and LGDV (Demand Valve) Cross Contamination

Cross-contamination occurs when one person receives infectious materials such as respiratory secretions from another person by touching a contaminated surface or breathing contaminated air. Many fire departments are providing individual-issue facepieces to firefighters to mitigate cross-contamination from one user to another, however that alone does not provide complete protection against cross-contamination. LGDVs (Demand Valves) that are shared among individuals may also serve as a source for cross-contamination.

In order to reduce the potential for cross-contamination, MSA's G1 Facepiece and the M1/AutoMaXX Demand Valves were designed with a check valve at the inhalation port. The check valve directs potentially contaminated exhaled air away from the Demand Valve.

To minimize the impact of SCBA use on these design features, users must follow all use, inspection and testing as well as maintenance schedules outlined in manuals (for example the G1 Facepiece, M1 LGDV, AutoMaXX LGDV & M1/Airgo/AirMaXX SCBA Operating Manuals as well the relevant SCBA Service & Maintenance Manuals). Applicable sections include: Visual Inspections, Functional Tests, Donning, During Use, Cold Weather Operations, After Use. Applicable sections within the Service & Maintenance manuals include: Maintenance as well as Cleaning and Disinfecting.

MSA Service, Cleaning and Disinfection guidelines remain valid during the current global COVID-19 outbreak

If using a facepiece other than the G1 Facepiece or you suspect that the M1 or AutoMaXX Demand Valve have been exposed to COVID-19 while disconnected from the G1 facepiece, follow the disinfecting instructions below. **Note:** *The following disinfecting instructions recommend using Ecolab Incidin Rapid, however, if Ecolab Incidin Rapid is not available then an alternative disinfectant may be used. See the Product Cleaning Guidance section of this document for acceptable alternatives.*

1. Depress the Demand Valve red shutoff button to ensure the Demand Valve is shut off and rotate the bypass knob (if applicable) clockwise to ensure the regulator bypass (if applicable) is shut off.
2. Pressurize the SCBA and Demand Valve. The Demand Valve must be pressurized during the entire washing and disinfecting procedure.

3. Prepare a solution of Ecolab Incidin Rapid solution and warm water (max 30°C) in accordance with the Ecolab Incidin Rapid instructions.
4. Submerge the Demand Valve in the Ecolab Incidin Rapid solution for the duration in accordance with the Ecolab Incidin Rapid solution instructions.
5. Use a soft-bristle brush to clean the external surfaces of the Demand Valve.
6. While submerged, agitate the Demand Valve in the Ecolab Incidin Rapid solution to further loosen dirt and debris.
7. Remove the Demand Valve from the Ecolab Incidin Rapid solution. Orient and shake the Demand Valve lightly to remove excess Ecolab Incidin Rapid solution.
8. Rinse Demand Valve in clean warm water (max 30°C). Ensure that both the external and internal Demand Valve surfaces are rinsed.
9. Orient and shake the Demand Valve lightly to remove excess water from rinsing. Use a clean lint-free cloth to remove excess rinse water from external Demand Valve surfaces.
10. Depress the Demand Valve red shutoff button or open the Demand Valve bypass (if applicable) for 3-5 seconds to remove excess water from the Demand valve assembly. Depress the Demand Valve red shutoff button or rotate the bypass knob (if applicable) clockwise to shut off the Demand Valve.
11. Depressurize the SCBA. Push the purge button or open the Demand Valve bypass (if applicable) to depressurize the regulator. Depress the Demand Valve red shutoff button or rotate the bypass knob (if applicable) clockwise to shut off the Demand Valve bypass.
12. Allow the Demand Valve to dry completely prior to use. Drying time will vary depending on ambient air temperature and humidity. If a drying cabinet is used, ensure that the temperature does not exceed 55°C.

Moisture can cause problems in the SCBA if it freezes. However, moisture can cause freezing problems even if the surrounding air is above freezing. Air flowing from the cylinder through the pressure reducer and regulator decreases from cylinder pressure to close to atmospheric pressure very quickly. This causes the air to expand and creates a cooling effect. Although the surrounding temperature may be warmer than 0°C, the temperature inside the regulator may be lower.

continued



WARNING!

- Before going into a hazardous environment, make sure there is no water, moisture, or dampness on or in any of the SCBA components. Any moisture on or in the SCBA components can freeze and result in a malfunction of the SCBA. Make sure all components operate correctly.
- Before going into a hazardous environment, make sure there is no water or ice on the inner surfaces and components of the Demand Valve, Demand Valve buttons, and bypass valve (if applicable). Make sure the buttons and bypass valve operate correctly.
- Do NOT use a Demand Valve that has water contamination on the inner surfaces or components. Remove the Demand Valve from service and dry all surfaces and components fully. Make sure all Demand Valve components are fully dry before returning the Demand Valve to service.

Failure to obey these warnings can result in serious personal injury or death.

COVID-19 Cleaning Guidance: Respiratory Protection

In European markets where Ecolab Incidin Rapid may not be available, other alternative cleaning solutions that are water-based and have equivalent concentrations of the same active ingredients (quaternary ammonium compounds) include EW80 mat disinfectant and Ecolab Sekumatic FDR.

- It is important to follow the cleaning product manufacturer's instructions, including contact time to achieve disinfection.
- After using disinfectants it is recommended that you fully rinse the product to eliminate any residue that may impact the product over time.

The situation with COVID-19 is rapidly evolving. As such, this guidance may be updated as circumstances warrant. Please visit MSA COVID-19 Resource Center (<https://us.msasafety.com/coronavirus>) to ensure that you have the latest version. Furthermore, organizations like the CDC are providing updated information and guidance as it becomes available. For the most-up-to-date information on COVID-19, you should regularly consult guidance being published by national and international organizations, such as the CDC, the National Institutes of Health (NIH), the World Health Organization (WHO), the European Centre for Disease Prevention and Control (ECDC), and/or your local health authority. Guidance on COVID-19, including information on actions needed to prevent, control, and manage contact with the virus, is available at the following websites:

US CDC	https://www.cdc.gov/coronavirus/index.html
US NIH	https://www.nih.gov/news-events/news-releases/nih-officials-discuss-novel-coronavirus-recently-emerged-china
WHO	https://www.who.int/health-topics/coronavirus
ECDC	https://www.ecdc.europa.eu/en/coronavirus
HEALTH CANADA	https://www.canada.ca/en/public-health/services/diseases/coronavirus-disease-covid-19.html

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice.

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Please Note

MSA relies on the expertise of CDC, EPA, and the other cited authorities, and has not evaluated the effectiveness of these cleaning agents against COVID-19. To the extent the guidance in this Bulletin may go beyond the information in your user manual, it applies only in the context of the COVID-19 public health emergency.

Personal protective equipment (PPE) provides limited protection and may help to reduce exposure to biological agents and the risk of viral infection but **IMPORTANTLY IT DOES NOT ELIMINATE** the risk of exposure, infection, illness, or death, including with respect to SARS-CoV-2/COVID-19. MSA does not warrant the efficacy of any of its PPE products, or of the information or products in this Bulletin, in preventing the spread and/or contraction of coronaviruses. It is your responsibility to determine what cleaning products and methods are suitable for your intended use and consistent with guidelines from your employer and the relevant health authorities. MSA disclaims liability for any loss or damage arising from any information contained herein, whether direct, indirect, special, incidental or consequential, regardless of the legal or equitable theory asserted, including warranty, contract, negligence or strict liability.

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