GVS SPR451

GVS Elipse P100 Dust Half Mask Respirator

Model: SPR451

1. INTRODUCTION

The GVS Elipse P100 Dust Half Mask Respirator is designed to provide personal respiratory protection against dust and fumes. Its compact and lightweight design ensures comfort and a full range of vision, making it suitable for various industrial and safety applications. This manual provides essential information for the proper use, maintenance, and care of your respirator.

Figure 1: Front view of the GVS Elipse P100 Respirator.

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Video 1: Overview of Elipse respirators by GVS, highlighting key features and benefits.

2. SETUP AND FITTING

Proper fitting is crucial for effective respiratory protection. Follow these steps to correctly set up and wear your GVS Elipse P100 Respirator:

1. **Inspect the Respirator:** Before each use, check the mask body, straps, and filters for any signs of damage, cracks, or wear. Ensure the filters are securely attached.

2. **Adjust Head Straps:** Hold the respirator with one hand and pull the head straps over your head with the other. Position the mask over your nose and mouth. The top strap should rest on the crown of your head, and the neck strap should rest around your neck below your ears.

3. **Tighten Straps:** Pull the ends of the straps to tighten the mask until it feels secure but comfortable. Do not overtighten. The mask should fit snugly against your face without gaps.

4. **Perform a Seal Check:**

- **Positive Pressure Check:** Place the palm of your hand over the exhalation valve cover (front center of the mask) and gently exhale. The mask should slightly bulge outwards, and you should feel no air leaking from the edges.
- **Negative Pressure Check:** Place the palms of your hands over the filter covers on both sides of the mask and gently inhale. The mask should pull inward towards your face, and you should feel no air leaking from the edges.

If you detect any leaks during the seal check, readjust the straps and repeat the check. If leaks persist, the mask may be damaged or incorrectly sized.

Figure 2: Back view of the respirator showing adjustable straps.

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Video 2: An unboxing and fitting demonstration of the GVS Elipse P100 Respirator.

3. OPERATING INSTRUCTIONS

Once properly fitted, the GVS Elipse P100 Respirator provides effective protection in environments containing dust and fumes. It is recommended for use in situations involving micro-organisms, marble, gypsum, titanium oxide, rock wool, wood, detergents, and various dusts that can cause lung disease, including asbestos, bauxite, coal, silica, and iron.

The mask's compact design allows for a full range of vision and does not interfere with other personal protective equipment (PPE) such as eye or ear protection. Its low breathing resistance minimizes user fatigue during extended periods of use.

Figure 3: Worker using the respirator during drilling, demonstrating compatibility with safety glasses.

Your browser does not support the video tag.
Video 3: Demonstrates the comfort and lightweight nature of the mask during use.

Your browser does not support the video tag.
Video 4: Emphasizes the importance of wearing a respirator for protection in dusty environments.

4. MAINTENANCE

Regular maintenance ensures the longevity and effectiveness of your respirator. Filters should be replaced when breathing resistance becomes noticeably high or when odors are detected.

4.1 Filter Replacement

1. **Remove Used Filters:** Gently twist and pull the filter covers to detach them from the mask body. Remove the old filter cartridges.
2. **Insert New Filters:** Align the new filter cartridges with the openings on the mask body and push them firmly into place until they click. Ensure a secure fit.
3. **Reattach Covers:** Place the filter covers back over the new filters and twist to lock them into position.

Your browser does not support the video tag.
Video 5: Detailed instructions on how to remove and replace the Elipse P100 filters.

4.2 Cleaning and Storage

- **Cleaning:** After each use, wipe the mask body (excluding filters) with a damp cloth using mild soap and water. Do not submerge the entire mask or filters in water. Allow all parts to air dry completely before reassembly or

storage.

- **Storage:** Store the respirator in a clean, dry place away from direct sunlight, extreme temperatures, and contaminants. It is recommended to store it in a sealed bag or container to protect the filters from dust and moisture when not in use.

5. TROUBLESHOOTING

If you encounter issues with your GVS Elipse P100 Respirator, consider the following:

- **Difficulty Breathing:** This usually indicates that the filters are clogged and need to be replaced. Ensure the exhalation valve is not obstructed.
- **Smelling Contaminants:** If you can smell or taste contaminants while wearing the mask, the seal may be compromised, or the filters may be exhausted. Re-perform a seal check and replace filters if necessary.
- **Discomfort or Skin Irritation:** Ensure the straps are not overtightened. The mask is made from hypoallergenic thermoplastic elastomer (TPE) to minimize irritation, but prolonged use or improper fit can still cause discomfort. Adjust the fit or take breaks as needed.
- **Fogging of Eyewear:** Ensure the mask is properly sealed around the nose bridge. A good seal prevents exhaled air from escaping upwards and fogging glasses.
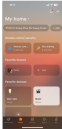
6. SPECIFICATIONS

Feature	Detail
Model Number	SPR451
Approval	NIOSH Approval number: P100 TC-84A-6949 (Meets 42CFR84 requirements)
Material	Thermoplastic Elastomers (TPE)
Color	Blue
Size	Small/Medium (Elipse comes in 2 sizes)
Product Dimensions	5 x 4 x 4 inches
Weight	6.4 ounces
Country of Origin	United Kingdom

7. WARRANTY AND SUPPORT

For detailed warranty information and support, please refer to the official GVS user manual available in PDF format. Please note that no returns are allowed on this product.

Official User Manual (PDF): Download Here

Related Documents - SPR451

User Manual K·BUS GVS Smart APP_V1.4	**GVS Smart APP V1.4 User Manual** User manual for the GVS Smart APP V1.4, detailing how to control and manage KNX and third-party smart home devices, set up scenes, integrate voice assistants, and authorize third-party services like SONOS.
User Manual Gem Series - Smart Home Server Z10_V1.4 A-IS03	**GVS Gem Series Z10 Smart Home Server User Manual (A-IS03)** User manual for the GVS Gem Series Z10 Smart Home Server (Model A-IS03), detailing its functions, installation, and operation for building intercom and smart home control systems.
User Manual K·BUS KNX Gateway for RS485/RS232_V1.8 BTPG-04/03.1 KNX/EIB Home and Building Control System	**GVS K-BUS KNX Gateway for RS485/RS232 User Manual V1.8** This user manual provides comprehensive technical details, installation, and programming guidance for the GVS K-BUS KNX Gateway for RS485/RS232 (V1.8). Learn how to integrate Modbus, RS485, and RS232 devices with KNX home and building control systems.
User Manual K·BUS GVS Smart APP_V1.1 GVS Smart To Make Life Smart	**GVS Smart APP User Manual: Control and Manage Your Smart Home** Explore the GVS Smart APP V1.1 user manual to learn how to manage KNX devices, create custom scenes, control your smart home remotely, and integrate with voice assistants like Google Assistant and Amazon Alexa.
User manual KNX Smart Touch S3 07:30 User Manual_V1.0 CHTP-3.3/3.1.01	**KNX Smart Touch S3 User Manual** Comprehensive user manual for the KNX Smart Touch S3, detailing its features, installation, system settings, and advanced parameter configurations for smart home automation.

[GVS K-BUS KNX Presence Sensor Series V1.7 User Manual](#)

This user manual details the GVS K-BUS KNX Presence Sensor Series V1.7, featuring advanced presence detection, ambient light sensing, and environmental monitoring for KNX/EIB systems. Explore technical specifications, installation guides, and configuration parameters for models CSBPM-04/00.1.0x, CSBP-04/00.1.0x, CSBPM-04/00.2.0x, and CSBP-04/00.2.0x, enabling smart building automation.