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TECHNICAL DATA SHEET

Res-protek 8103

Organic Gases/Vapours and Acid Gases Twin Filter A1E1

Product Introduction:

UDYOGI | Res-protek 8103 Filter is an A1E1 type twin filter designed to protect against certain organic vapour and acid gases. Featuring a bayonet connector, it integrates seamlessly with Res-protek half masks and full-face masks. This filter provides essential safety for users exposed to OV/AG in various industrial settings.

Features:

- **Protection Against OV and AG:** Provides effective filtration against certain organic gases and vapours with a boiling point above 65°C, including solvents, hydrocarbons, and other organic compounds. Additionally, it offers protection against chemicals such as Chlorine, Chlorine Dioxide, Hydrogen Chloride, Hydrogen Fluoride, Hydrogen Sulfide, and Sulfur Dioxide.
- **Combined Protection:** For additional protection against particulates, use the 8103 filter with the 811 pre-filter and 810 retainer on a Res-protek face mask. This setup covers gases, vapours, and particulates.
- **Bayonet Connector:** Features a bayonet connector for secure and easy attachment to Res-protek half masks and full-face masks.
- **Swept-Back Design:** The swept-back design enhances the field of view and comfort for the wearer.
- **Enhanced Comfort:** Designed for improved comfort and usability, ensuring a better fit and extended wear.
- **Optimized Shape:** The filter's ergonomic shape ensures a snug fit within respiratory masks, improving overall safety and user comfort.
- **Low Maintenance:** Designed to require minimal upkeep, reducing the frequency of filter changes and associated maintenance efforts.

Compatibility:

- The 8103 twin filters are compatible with Res-Protek's range of half and full-face masks.

Standard:

- EN 14387:2004+A1:2008



Product Specifications:

Model:	8103
Filter Class:	1
Filter Type:	AE (OV/AG)
Colour Code:	Brown & Yellow
Type of PPE Category:	III
Type of Device:	Gas & Vapour Filter
PPM:	up to 1000ppm
Connection Type:	Bayonet
Designated to be Used:	Twin Filter
Reusability:	Multiple Uses
Packing Per Pouch:	1 pair
Packing Per Case:	30 pairs

Benefits:

- **Versatile Compatibility:** Compatible with various Res-protek including half and full-face respiratory protective devices, offering flexibility across different work environments.
- **Cost Savings:** Reusable design reduces the need for frequent replacements, cutting costs.
- **Wide Range of Applications:** Suitable for various industrial settings, which helps reduce inventory needs.
- **Quick and Easy Replacement:** Bayonet connection allows swift filter changes with effortless attachment and removal, minimizing downtime.
- **Simple Installation:** Quick and straightforward installation process that minimizes training requirements.



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Application:

8103 Filter is essential for work environments where protection against organic gases, vapours, and specific acid gases is required, including

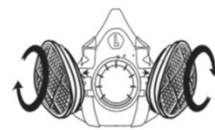
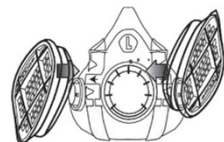
- Pharmaceutical Processing & Manufacturing.
- Chemical Processing/Handling/Clean-Up.
- General Maintenance, Cleaning, Renovation.
- General Industrial Operations & Settings.
- Pesticides, Agrochemicals Handling.
- Sealants Processing/Handling.
- Assembly Operations.
- Cleaning and Degreasing Processes.
- Oil Processing/Handling.
- Laboratories.
- Painting Operations & Paint Preparation.
- Cosmetic Formulations.
- Adhesives Processing/Handling.
- Food Processing.

Industry:



Usage Instructions:

- Install the Filters:**
 - Match the filter's plastic connection with the filter holder on the face mask.
 - Press and turn the filter clockwise until it is securely locked in place.
 - Repeat the process for the second filter.
- Verify Seal:** Confirm that both filters are properly seated and that there are no gaps around the connections.
- Regular Inspection:** Periodically check the filters for signs of damage, clogging, or reduced airflow.
- Replace When Necessary:** Replace the filters if they become clogged, damaged, or if breathing resistance increases significantly.
- Dispose Properly:** Follow local regulations for the disposal of used filters and respiratory components.



Storage:

- Keep in a Cool, Dry Place:** Store the filter in a fresh, cool, and dry environment.
- Avoid Direct Sunlight:** Keep the filter away from direct sunlight to prevent degradation.
- Temperature Limit:** Do not expose the filter to temperatures exceeding 50°C or direct sunlight.
- Humidity Control:** Store in an environment with low humidity, ideally not exceeding 80% relative humidity.
- Avoid High Heat Sources:** Keep away from high heat sources to maintain filter integrity.

Warning: These filters do not supply oxygen. Do not use in atmospheres containing less than 19.5% oxygen. Caution must be given in oxygen-enriched atmospheres (ignition), and it is prohibited to enter explosive atmospheres (e.g., through solvents). Filters should not be used in firefighting or to work with open flames or molten metal since. Before use, the wearer must read and understand the User Instructions provided as a part of the product packaging.