

3M™ Secure-Click™ Reusable Half Face Masks HF-800SD Series

Technical Data Sheet



Description

3M™ Secure-Click™ Reusable Half Face Mask HF-800SD has a speaking diaphragm and is available in three sizes.

All masks in the HF-800SD range have the 3M™ Secure-Click™ filter connection mechanism allowing connection to a broad range of 3M™ Secure-Click™ filters to protect against gases, vapours and/or particulates depending on your individual needs.

Features

- Soft silicone facepiece
- Includes a negative pressure push button seal check mechanism
- Flexible System (gas & vapour and / or particulate filters)
- For use with 3M™ Secure-Click™ filters.
- Includes a speaking diaphragm.
- Face piece weight: 182 g (Varies per size and model).

Applications

3M™ HF-800SD Secure-Click™ Reusable Half Face Mask can be used with a variety of filter options:

Gas and Vapour Filters only: The filters generally protect against either single or multiple contaminant type(s). The D8000 Series filters fit directly onto the mask.

Particulate filters only: These filters provide protection against solid and non-volatile liquid particles. The D3000 Series particulate filters fit directly onto the respirator.

Combination of Gas & Vapour and Particulate filters: The D8094 and D8095 have Particulate filter media integrated with the Gas and Vapour filter.

The D7900 Series particulate filters are used, along with D701 retainers to add particulate protection to a 3M™ D8000 Series Gas and Vapour filter. D7900 filters are used in “fours”, with one fitted to each side of the dual sided D8000 gas and vapour filters, which themselves are used in pairs.



Specifications

Component	Material
Face seal	Silicone
Fascia	Thermoplastic
Inhalation/ exhalation valve	Silicone
Speaking diaphragm	Thermoplastic, Silicone and Polyimide film
Straps	Synthetic fibre
Buckles	Thermoplastic

Standards

The HF-800SD Secure-Click™ Half Masks have been tested to AS/NZS standard 1716:2012.

Gas and Vapour/Combination Filters

3M Code	Model	Standard	Class	Hazard
UU009286772	D8051	AS/NZS 1716:2012	A1	Organic vapours (b.pt. > 65°C)
UU009288695	D8055	AS/NZS 1716:2012	A2	Organic vapours (b.pt. > 65°C)
UU009288406	D8059	AS/NZS 1716:2012	A1B1E1K1	Combination organic vapours (b.pt. >65°C), inorganic & acid gases & ammonia
UU009289347	D8094	AS/NZS 1716:2012	A1B1E1K1P3	Combination organic vapours (b.pt. >65°C), inorganic & acid gases, ammonia particulates
UU009289339	D8095	AS/NZS 1716:2012	A2P3	Organic vapours (b.pt. >65°C), & particulates

Particulate Filters

3M Code	Model	Standard	Class	Hazard
70071731312	D7925	AS/NZS 1716:2012	P2	Particulates (fine dusts & mists). Retainers sold separately.
70071731320	D7935	AS/NZS 1716:2012	P3	Particulates (fine dusts & mists). Retainers sold separately.
70071731221	D3125	AS/NZS 1716:2012	P2	Particulates (fine dusts & mists)
70071731262	D3135	AS/NZS 1716:2012	P3	Particulates (fine dusts & mists)
70071731247	D3128	AS/NZS 1716:2012	P2	Particulates, ozone & nuisance levels of organic vapours & acid gases
70071731288	D3138	AS/NZS 1716:2012	P3	Particulates, ozone & nuisance levels of organic vapours & acid gases

*Nuisance levels refers to concentrations not exceeding applicable government occupational exposure limits.

Cleaning and Storage

Cleaning is recommended after each use.

To clean the respirator, the 3M™ 504 Wipe should be used to wipe the face seal of the product. Remove filters. The head harness assembly, exhalation valve, inhalation valve and speaking diaphragm (if present) can also be disassembled if necessary.

Alternatively, clean parts (excluding filters) by immersing in warm cleaning solution (water temperature not to exceed 50 °C), scrub with soft brush until clean. Add neutral detergent if necessary. Disinfect respirator by soaking in a solution of quaternary ammonia disinfectant or sodium hypochlorite (30 ml/7.5 l) or other disinfectant. Rinse in clean, warm water and air dry at room temperature in a non-contaminated atmosphere. Do not reassemble parts until facepiece is completely dry.

A respirator washer can be used to clean the HF-800SD Series respirator. Respirator washers have a rack designed to hold the respirator in place during washing. DO NOT use a washing machine, which allows the respirators to tumble while being washed. This could damage the respirator. Water temperature should not exceed 50°C.

Warning

Selection of the most appropriate respiratory protective equipment (RPE) will depend on the particular situation and should be made only by a competent person knowledgeable of the actual working conditions and the limitations of RPE. Details regarding performance and limitations are set out in this technical bulletin as well as on the respirator packaging and user instructions. Before using any respirator, the wearer must read and understand the user instructions for the product. Specific legislation must be observed. If in doubt, contact a safety professional or 3M.

Limitations

Before use, check the expiration date of filters.

1. These respirators do not supply oxygen. Do not use in oxygen deficient areas*
2. Do not use for respiratory protection against atmospheric contaminants, which have poor warning properties, are unknown or immediately dangerous to life and health, or against chemicals, which generate high heats of reaction with chemical filters.
3. Do not modify or alter this device.
4. The assembled respirator may not provide a satisfactory face seal with certain physical characteristics (such as beards or large side burns) resulting in leakage between the respirator and the face. The user assumes all risks of bodily injury, which may possibly result.
5. Do not use with unknown concentrations of contaminants.
6. Do not use for escape purposes.
7. Leave the work area immediately and check the integrity of the respirator and replace respirator and / or filters if:
 - Damage has occurred or is apparent.
 - Breathing becomes difficult or increased breathing resistance occurs.
 - Dizziness or other distress occurs.
 - You taste or smell the contaminant or an irritation occurs.
8. Store this device in a sealed container away from contaminated areas when not in use.
9. Use strictly in accordance with respirator and filter user instruction leaflet.
10. In case of intended use in explosive atmospheres, contact 3M technical service.

* 3M definition minimum 19.5% by volume oxygen.

Shelf life*

Shelf life: 5 year from production date when stored at storage conditions described on packaging.

* The shelf life as defined above remains indicative and maximum data, subject to many external and non-controllable factors. It may never be interpreted as a warranty.

Ordering Information

3M Code	Model #	Description
UU009621507	HF-801SD	Small mask with speaking diaphragm
UU009622216	HF-802SD	Medium mask speaking diaphragm
UU009620970	HF-803SD	Large mask with speaking diaphragm

Parts & Accessories

3M Code	Model #	Description
UU009607902	HF-800-04	Head Harness Assembly, SD Version, 5/cs
UU009608314	HF-800-02	Inhale/Exhale Valve, 10/cs
UU009620988	HF-800-05	Speaking Diaphragm, 5/cs
UU009620905	HF-800-03	Quantitative Fit Test Adapter Kit, 1/cs

Important notice

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