

# Technical data sheet



Product: HF-800 Serie

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: ARBEITSSCHUTZ

Article group: MASKEN

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## 3M™ SECURE CLICK™ HF-800 SERIES

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

## Product Description

3M™ Secure Click™ Reusable Half Face Mask HF-800 Series is available in three sizes.



Model	Size
HF-801SD	Small, Speaking Diaphragm
HF-802SD	Medium, Speaking Diaphragm
HF-803SD	Large, Speaking Diaphragm

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

## Key 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: approximately 182g (Varies per size and model)

## Filter Options

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

### Gas and Vapour Filters Only:

The filters generally help protect against either single or multiple contaminant type(s). The D8000 Series filters fit directly onto the respirator.

### Particulate Filters Only:

These filters help protect against solid and non-volatile liquid particles. The D3000 and D9000 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 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.

## Gas and Vapour/Combination Filters

Figure 1: Gas and Vapour/Combination Filter Options



A



B



C



D



E

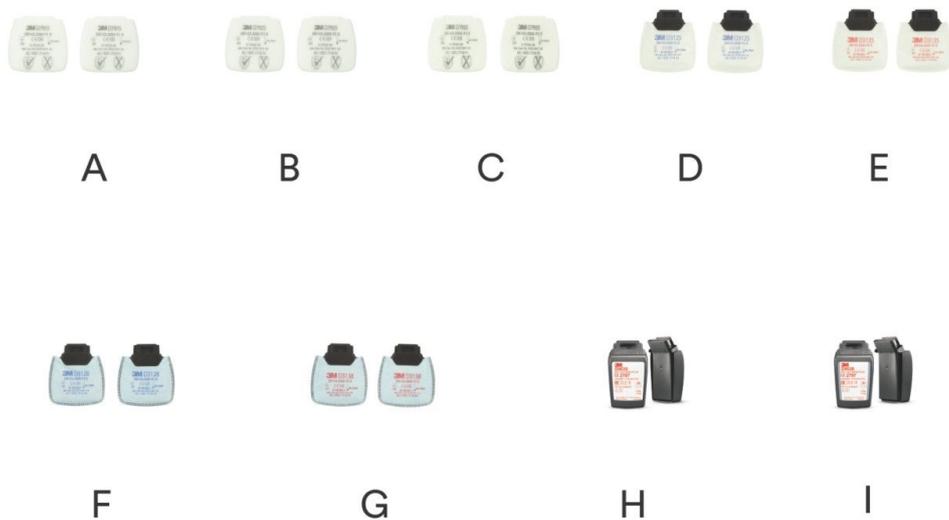


F

Filter	Image (see Figure: Gas and Vapour/ Combination Filter Options)	Standard	Class	Hazard
D8051	A	EN14387: 2004 +A1:2008	A1	Organic Vapours (b.pt. > 65°C)
D8055	A	EN14387: 2004 +A1:2008	A2	Organic Vapours (b.pt. > 65°C)
D8057	B	EN14387:2004 + A1:2008	ABE1 + formaldehyde	Combination organic vapours (B.pt.>65°C), inorganic and acid gases and formaldehyde
D8059	C	EN14387: 2004 +A1:2008	ABEK1	Combination organic vapours (b.pt. >65°C), inorganic and acid gases and Ammonia
D8094	D	EN14387: 2004 +A1:2008	ABEK1P3 R	Combination organic vapours (b.pt. >65°C), inorganic and acid gases, Ammonia Particulates and Formaldehyde
D8095	E	EN14387: 2004 +A1:2008	A2P3 R	Organic vapours (b.pt. >65°C), & Particulates
D8097	F	EN14387:2004 + A1:2008	ABEK1HgP3 R + formaldehyde	Combination organic vapours (B.pt. >65°C), inorganic and acid gases, ammonia, mercury, particulate and formaldehyde

## Particulate Filters

Figure 2: Particulate Filter Options



Filter	Image (see Figure: Particulate Filter Options)	Standard	Class	Protects Against
D7915	A	EN143:2021	P1	Particulates (fine dusts and mists)
D7925	B	EN143:2021	P2	Particulates (fine dusts and mists)
D7935	C	EN143:2021	P3	Particulates (fine dusts and mists)
D3125	D	EN143:2021	P2	Particulates (fine dusts and mists)
D3135	E	EN143:2021	P3	Particulates (fine dusts and mists)
D3128	F	EN143:2021	P2	Particulates, Ozone, and nuisance levels of Organic Vapours and Acid Gases*
D3138	G	EN143:2021	P3	Particulates, Ozone, and nuisance levels of Organic Vapours and Acid Gases*
D9035	H	EN143:2021	P3	Particulates (fine dusts & mists)
D9038	I	EN143:2021	P3	Particulates, Hydrogen Fluoride up to 30 ppm, and nuisance levels of Organic Vapours and Acid Gases below the OEL*

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

## Standards and Approvals

These products have been tested to the relevant European Standards:

HF-800 Secure Click™ Half Masks to EN 140:1998.

HF-800 Series Half mask and associated filters have an inhalation breathing resistance of less than 5 mbar, when measured at 95 lpm continuously.

## Technical Properties

3M™ Reusable Half Face Masks HF-800 Series	Protection level
P1 Particulate Filters	Country specific Protection factor (NPF <sup>1</sup> 4; UK/I APF 4; Germany APF 4; Italy APF 4)
P2 Particulate Filters	Country specific Protection factor (NPF 12; UK/I APF 10; Germany APF 10; Italy APF 10)
P3 Particulate Filters	Country specific Protection factor (NPF 48; UK/I APF 20; Germany APF 30; Italy APF 30)
Class 1 Gas & Vapour Filters	The lowest of either the Country specific Protection Factor ( NPF 50; UK/I APF 10; Germany APF 30; Italy APF 30) or 1000 ppm (whichever is lower)
Class 2 Gas & Vapour Filters	The lowest of either the Country specific Protection Factor ( NPF 50; UK/I APF 10; Germany APF 30; Italy APF 30) or 5000 ppm (whichever is lower)
Special/combination filter (GasX PX)	Please contact 3M

<sup>1</sup>Nominal Protection Factor (NPF) - a number derived from the maximum percentage of total inward leakage permitted in relevant European Standards for a given class of respiratory protective devices. This may not be the level of respiratory protection that can be realistically expected in the workplace by wearers. Many countries apply Assigned Protection Factors (APFs). Please refer to EN 529:2005 and National workplace protection guidance for application of these Protection Factors in the workplace. The table gives the NPF and mandatory APF in April 2024. These figures, and the countries where APFs are compulsory, are subject to revision at any time.

## Use Limitation

Before use, check the expiration date.

These respirators do not supply oxygen. Do not use in oxygen deficient areas. 3M definition minimum 19.5% by volume oxygen (Individual countries may apply their own limits on oxygen deficiency. Seek advice if any doubt).

Do not use for respiratory protection against atmospheric contaminants that have poor warning properties, are unknown or immediately dangerous to life and health (IDLH) or against contaminants that generate high heats of reaction with chemical filters. Do not misuse, alter, modify or repair this product. Do not use with beards or other facial hair that prevents direct contact between the face and the edge of the respirator. Do not use with unknown concentrations of contaminants.

Leave the work area immediately and check the integrity of the respirator and replace face mask 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.

For other use limitations please refer to the User Information supplied with the products.

## Cleaning and Storage

Cleaning is recommended after each use. To clean the respirator, the 3M™ 105 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-800 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.

## Materials

Component	Material
Face Seal	Silicone Rubber
Fascia	Thermoplastic
Inhalation/Exhalation valve	Silicone Rubber
Speaking Diaphragm	Thermoplastic, Silicone Rubber
Straps	Synthetic Fiber
Buckles	Thermoplastic

## Spare Parts

Part Number	Description
HF-800-01	Head Harness Assembly, 5/cs
HF-800-04	Head Harness Assembly, SD Version, 5/cs
HF-800-02	Inhale/Exhale Valve, 10/cs
HF-800-05	Speaking Diaphragm, 5/cs
HF-800-03	Quantitative Fit Test Adapter Kit, 1/cs

## Shelf Life

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

### IMPORTANT

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.

## Important Notice

The use of the 3M product described within this document assumes that the user has previous experience of this type of product and that it will be used by a competent professional. Before any use of this product it is recommended to complete some trials to validate the performance of the product within its expected application.

All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user.

Compliance to the information and specification relative to the 3M product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. The 3M group (which cannot verify or control those elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control.

Warranty conditions for 3M products are determined with the sales contract documents and with the mandatory and applicable clause, excluding any other warranty or compensation. Respiratory Protection is only effective if it is correctly selected, fitted and worn throughout the time when the wearer is exposed to respiratory contaminants. 3M offers advice on the selection of products, and training in the correct fitting and usage.

For more information on 3M products and services please contact 3M.



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