

3M™ Secure Click™ Reusable Full Face Respirator FF-800 Series

Product Description

The 3M™ Secure Click™ Reusable Full Face Respirator FF-800 Series helps provide protection against certain airborne contaminants. FF-800 are available in three sizes.

3M ID	Model	Size
70071766193	FF-801	Small
70071766201	FF-802	Medium
70071766219	FF-803	Large

All facepieces in the FF-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.

Figure 1: FF-800



Key Features

- Soft silicone face seal
- Includes a positive 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 641 g (Varies per size and model)

Standards and Approvals

These products have been tested to the relevant Australian/New Zealand standard: AS/NZS 1716:2012 Respiratory Protective Devices.

Required Minimum Protection Factors (RMPF)

Required Minimum Protection Factors (RMPF) offered by the 3M™ Reusable Full Face Respirators FF-800 Series:

3M™ Reusable Full Face Respirator FF-800 Series	Required Minimum Protection Factor (RMPF)*
P2 Particulate Filters	Up to 50x the Workplace Exposure Standard (WES)
P3** Particulate Filters	Up to 100x the Workplace Exposure Standard (WES)
Class 1 Gas & Vapour Filters	Up to 50x the Workplace Exposure Standard (WES) or 1000 ppm or the Immediately Dangerous to Life or Health (IDLH) level (Whichever is lower)
Class 2 Gas & Vapour Filters	Up to 100x the Workplace Exposure Standard (WES) or 5000 ppm or the Immediately Dangerous to Life or Health (IDLH) level (Whichever is lower)
* RMPF is the protection factor required to reduce exposure to an accepted level. It is expressed as a ratio of the measured ambient airborne concentration of a contaminant to an acceptable exposure level or standard.	
** Provides P3 protection only with full facepiece respirator. Provides P2 protection with half facepiece respirator	

Please refer to AS/NZS 1715:2009 for application of these numbers in the workplace. Please contact 3M for further information.

Use Limitations

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.

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 facepiece 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™ 504 (3M ID AT010587411) 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 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.

Do not use a washing machine, which allows the respirators to tumble while being washed. This could damage the respirator.

Materials

Component	Material
Face Seal	Silicone Rubber
Lens	Coated Polycarbonate
Exhalation Valve Cover	Plastic
Inhalation Valve	Plastic and Silicone Rubber
Exhalation Valve	Plastic and Silicone Rubber
Nosecup	Silicone Rubber
Speaking Diaphragm	Plastic, Silicone Rubber, and Polyimide Film
Straps	Silicone Rubber
Comfort Cradle	Plastic
Buckles	Plastic

Filter Options

3M™ FF-800 Secure Click™ Reusable Full Face Respirator 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 facepiece.
- **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 facepiece.
- **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 (3M ID UU010049979) 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.

Figure 2: D701 Retainer



Gas and Vapour/Combination Filters

3M ID	Filter	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	ABEK1	Combination organic vapours (b.pt. >65°C), inorganic & acid gases & Ammonia
UU009289347	D8094	AS/NZS 1716:2012	ABEK1P3	Combination organic vapours (b.pt. >65°C), inorganic & acid gases, Ammonia, Particulates and Formaldehyde
UU009289339	D8095	AS/NZS 1716:2012	A2P3	Organic vapours (b.pt. >65°C), & Particulates

Particulate Filters

3M ID	Filter	Standard	Class	Protects Against
70071731312	D7925*	AS/NZS 1716:2012	P2	Particulates (intended for use against mechanically and thermally generated particulates)
70071731320	D7935*	AS/NZS 1716:2012	P2/P3**	Particulates (intended for use against mechanically and thermally generated particulates including highly toxic materials)
UU10049979	D701	Required to attach D7925 or D7935 onto D8051, D8055 or D8059	N/A	
70071731221	D3125	AS/NZS 1716:2012	P2	Particulates (intended for use against mechanically and thermally generated particulates)
70071731247	D3135	AS/NZS 1716:2012	P2/P3**	Particulates (intended for use against mechanically and thermally generated particulates including highly toxic materials)
70071731262	D3128	AS/NZS 1716:2012	P2	Particulates (intended for use against mechanically and thermally generated particulates), Ozone, and nuisance levels of Organic Vapours & Acid Gases***
70071731288	D3138	AS/NZS 1716:2012	P2/P3**	Particulates (intended for use against mechanically and thermally generated particulates including highly toxic materials), Ozone, and nuisance levels of Organic Vapours & Acid Gases***
70071731361	D3076HF	AS/NZS 1716	P2	Secure Click Particulate Filter P2HF with nuisance level. Acid Gas and Hydrogen. Fluoride up to 10x the WES

3M ID	Filter	Standard	Class	Protects Against
UU010285664	D9035	AS/NZS 1716	P2/P3**	Particulates (intended for use against mechanically and thermally generated particulates including highly toxic materials)
UU010291761	D9038	AS/NZS 1716	P2/P3**	Particulates (intended for use against mechanically and thermally generated particulates including highly toxic materials), Hydrogen Fluoride up to 30 ppm, and nuisance levels of Organic Vapours & Acid Gases below the OEL***
* D7925 and D7935 require D701 to attach to D8051, D8055 or D8059.				
** Provides P3 protection only with full facepiece respirator. Provides P2 protection with half facepiece respirator.				
*** Nuisance levels refers to concentrations not exceeding applicable government occupational exposure limits.				

Secure Click Filters are also compatible with the HF-800SD Half Facepiece reusable respirator.

Figure 3: HF-800SD

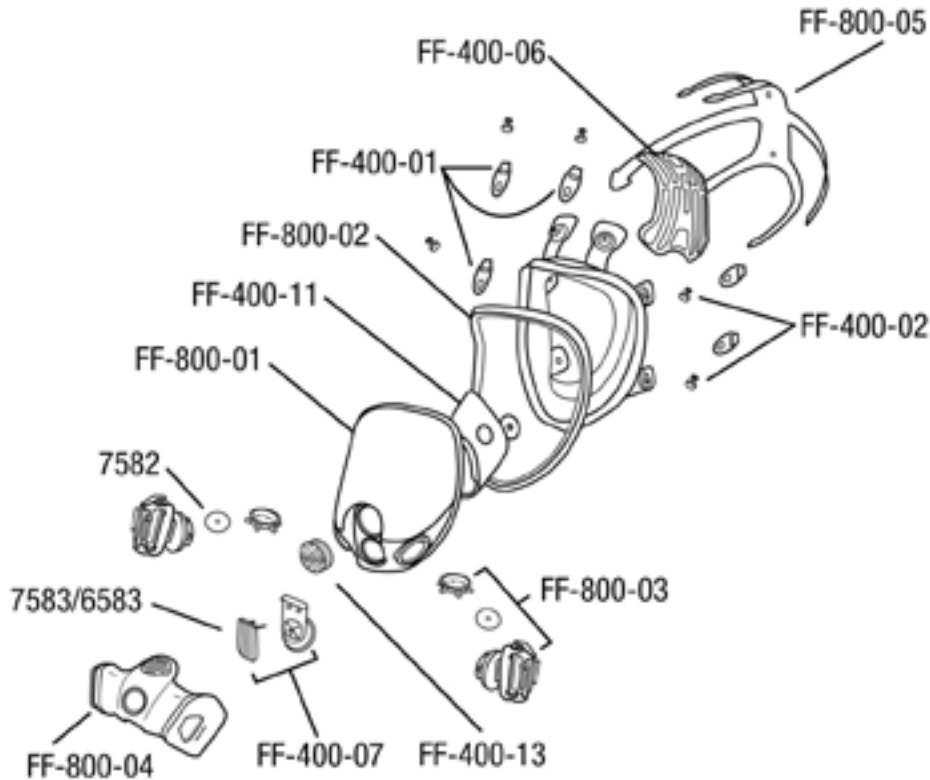


Figure 4: Filters. Top row: D8051, D8094. Bottom row: D9035, D3138



Spare Parts

Figure 5: Parts - Exploded View



3M ID	Part Number	Description
70071516846	FF-400-01	3M™ Buckle FF-400-01, 30 EA/Case
70071516853	FF-400-02	3M™ Button FF-400-02, 30 EA/Case
70071516895	FF-400-06	3M™ Comfort Cradle Head Harness Attachment FF-400-06, 5 EA/Case
70071516903	FF-400-07	3M™ Exhalation Valve Assembly FF-400-07, 5 EA/Case
70071516945	FF-400-11	3M™ Nose Cup Assembly FF-400-11, 5 EA/Case
70071516960	FF-400-13	3M™ Speaking Diaphragm Assembly FF-400-13, 5 EA/Case
70071765591	FF-800-01	3M™ Secure Click™ Lens Replacement FF-800-01, 5 ea/Case
70071765609	FF-800-02	3M™ Secure Click™ Lens Frame Assembly FF-800-02, 5 ea/Case
70071765617	FF-800-03	3M™ Secure Click™ Inhalation Valve Assembly FF-800-03, 10 ea/Case
70071765716	FF-800-04	3M™ Secure Click™ Exhalation Valve Cover Assembly FF-800-04, 5 ea/Case
70071766730	FF-800-05	3M™ Secure Click™ Head Harness FF-800-05, 5/Case
AT010561507	7582	3M™ Inhalation Valve 7582, Replacement Part 10 EA/Bag
70071668183	6583	3M™ Exhalation Valve 6583, 10 ea/Case
70071516986	FF-400-17	3M™ Semi-Permanent Lens Protector FF-400-17, 20 EA/Case

3M ID	Part Number	Description
AT019223489	6886	3M™ Tinted Lens Cover 6886, Accessory 25 EA/Bag
70071765724	FF-800-06	3M™ Secure Click™ Quantitative Fit Test Adapter Kit FF-800-06, 1 ea/Case
XA006514674	102	3M™ Universal Spectacle Kit 102, 1 ea/Case

Shelf Life

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

IMPORTANT NOTE

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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