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Technical Data Sheet
July 2025

3M™ Reusable Half Mask 6000 Series

Description

The 3M™ 6000 Series Reusable Half Masks are simple to handle and comfortable to the wearer.

Key Features

- Soft, lightweight elastomeric respirator ensures comfort during long periods of work
- 3 sizes (small - 6100, medium - 6200, large - 6300)

Filter Options

3M™ Reusable Half Masks 6000 Series can be used with a variety of different filter options.

- Gas and vapour filters only: The filters generally protect against either single or multiple contaminant type(s). 3M™ Gas and Vapour Filters 6000 Series fit directly onto the respirator.
- Particulate filters only: These filters provide protection against solid and non-volatile liquid particles. 3M™ Particulate Filters 2000 Series fit directly onto the respirator.
    - 3M™ Particulare Filters 5000 Series may be used in combination with a 3M™ 501 filter retainer and a 3M™ Gas and Vapour Filter 6000 Series.
    - 3M™ Particulate Filters 6035 and 6038 are encapsulated P3 filters, which fit directly onto the respirator.
- Combination of gas and vapour and particulate filters: 3M™ Gas, Vapour and Particulate Filters 6091, 6092, 6095 and 6096 have particulate filter media integrated with the gas and vapour cartridge. 3M™ Particulate Filter 6038 is an encapsulated particulate filter with a layer of carbon that protects against nuisance odours.
- Supplied-Air mode: All filters can be used with 3M™ S-200+ Supplied Air Regulator except for the P1 (5911) and P2 (5925, 2125 and 2128).

Table 1: Gas and Vapour Filters

Filter	Figure #	Standard	Class	Hazard
6051 (06911); 6055 (06915)	1	EN 14387:2004 + A1:2008	A1 A2	Organic vapours (b.pt. > 65°C)
6054	2	EN 14387:2004 + A1:2008	K1	Ammonia and derivatives
6057	3	EN 14387:2004 + A1:2008	ABE1	Combination Organic vapours (b.pt. > 65°C), inorganic and acid gases
6059	4	EN 14387:2004 + A1:2008	ABEK1	Combination Organic vapours (b.pt. > 65°C), inorganic and acid gases and ammonia
6075	5	EN 14387:2004 + A1:2008	A1 + formaldehyde	Organic vapours (b.pt. > 65°C) and formaldehyde
6091	6	EN 14387:2004 + A1:2008	A1P3 R	Organic vapours (b.pt. > 65°C), and particulates
6092	7	EN 14387:2004 + A1:2008	ABEK1P3 R + formaldehyde	Combination Organic vapours (b.pt. > 65°C), inorganic and acid gases and ammonia, and particulates and formaldehyde
6095	8	EN 14387:2004 + A1:2008	A2P3 R	Organic vapours (b.pt. > 65°C), and particulates
6096	9	EN 14387:2004 + A1:2008	AE1HgP3 R	Combination Organic vapours (b.pt. > 65°C, acid gases, mercury vapour, chlorine and particulates

Table 2: Particulate-Only Filters

Filter	Figure #	Standard	Class	Hazard
5911; 5925 (06925); 5935	10	EN 143:2021	P1 R P2 R P3 R	Particulates (fine dusts and mists)
2125; 2135	11	EN 143:2021	P2 R P3 R	Particulates (fine dusts and mists)
2128; 2138	12	EN 143:2021	P2 R P3 R	Particulates, ozone and nuisance level of organic vapours and acid gases

Filter	Figure #	Standard	Class	Hazard
6035	13	EN 143:2021	P3 R	Particulates (fine dusts and mists)
6038	14	EN 143:2021	P3 R	Particulates, hydrogen fluoride at 30ppm, nuisance level of organic vapours and acid gases

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Figure 2: Filter 6054

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Figure 6: Filter 6091

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Figure 8: Filter 6095

Figure 9: Filter 6096

Figure 10: Filter 5911 / 5925 / 5935

Figure 11: Filter 2125 / 2135

Figure 12: Filter 2128 / 2138

Figure 13: Filter 6035

Figure 14: Filter 6038

Standards and Approvals

The 3M 6000 Half Mask meets the performance requirements of the European Standard EN 140 for Half Masks. The Certificate and Declaration of Conformity are available from the following website: www.3M.com/Respiratory/certs.

Technical Properties

Table 3: 6000 Series Protection Levels

3M™ Reusable Half Mask 6000 Series	Protection Level
P1 Particulate filters	Country specific Protection factor (e.g., NPF* 4; UK/I APF 4; Germany APF 4; Italy APF 4)
P2 Particulate filters	Country specific Protection factor (e.g., NPF* 12; UK/I APF 10; Germany APF 10; Italy APF 10)
P3 Particulate filters	Country specific Protection factor (e.g., NPF* 48; UK/I APF 20; Germany APF 30; Italy APF 30)
Class1 Gas and Vapour filters	The lowest of either the Country specific Protection Factor (e.g., NPF 50; UK/I APF 10; Germany APF 30; Italy APF 30) or 1000 ppm (whichever is lower)
Class 2 Gas and vapour filters	The lowest of either the Country specific Protection Factor (e.g., NPF 50; UK/I APF 10; Germany APF 30; Italy APF 30) or 5000 ppm (whichever is lower)
Special/combination filter (GasXPX)	Please contact 3M.

**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.*

Use Limitations

Before use, check the expiration date.

For other use limitations please refer to the User Information supplied with the products. These respirators do not supply oxygen. Do not use in oxygen deficient areas.*

*3M defines the minimum oxygen level as 19.5% by volume.

Do not use for respiratory protection against atmospheric contaminants that have poor warning properties or are unknown or immediately dangerous to life and health (IDLH) or against contaminants which generate high heats of reaction with chemical filters. (The 3M™ S-200 Supplied-Air Respirator System can be used against contaminants with poor warning properties, subject to other use limitations).

Do not misuse, alter, modify or repair this product.

Do not use with beards or other facial hair that prevent 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.

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.

1. Remove the filters and disconnect the air supply unit if appropriate.
2. 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.
3. Disinfect respirator by soaking in a solution of quaternary ammonia disinfectant or sodium hypochlorite.
4. Rinse in clean, warm water and air dry at room temperature in a non-contaminated atmosphere.

Do not use cleaning agents that contain lanolin or other oils.

Do not autoclave.

Material

Table 4: Materials

Component	Material
Face seal	Thermoplastic elastomer
Exhalation valve cover	Polyproylene
Inhalation valve	Polyproylene
Exhalation valve	Polyproylene/Silicone rubber
Straps	Polyester fibre
Head cradle	Polyproylene
Gasket	Silicone rubber

Spare Parts

Table 5: Spare Parts

Spare Parts and Accessories	Component
6281	Head harness assembly
6893	Inhalation valve
6889	Exhalation valve
501	Retainer for 5000 Series filters
603	Particulate filter platform
105	Face seal wipe

Spare Parts and Accessories	Component
S-200+	Supplied air respirator
6895	Inhalation gasket

Shelf Life

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

* The shelf life as defined above remains an 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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3M PSD products are occupational use only.