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3M™ Reusable Full Face Mask, 7907S

Technical datasheet

Product description

3M™ Reusable Full Face Mask, 7907S has the 3M bayonet connection system allowing connection to a broad range of twin lightweight filters or approved powered and supplied air systems to protect against gases, vapours and particulates depending on your individual needs.

Standards and approvals

These products have been tested to the relevant European Standards: 3M™ Reusable Full Face Mask, 7907S to EN 136:1998 Class 2, EN 12942:1998 + A2:2008 and EN 14594:2005 (with approved air delivery units). The Certificate and Declaration of Conformity available at the following website: www.3M.com\Respiratory\certs

Nominal Protection Factors offered by the 3M™ Reusable Full Face Mask, 7907S

3M™ Reusable Full Face Mask, 7907S with:	Nominal Protection Factor*
P1 Particulate Filters	5
P2 Particulate Filters	15
P3 Particulate Filters	1000
Class 1 Gas & Vapour Filters	2000 or 1000ppm (whichever is lower)
Class 2 Gas & Vapour Filters	2000 or 5000ppm (whichever is lower)
3M™ Versaflo™ Powered Air Respirator TR-602E/TR-802E	2000
3M™ Air Supply Unit S-200+	See air line user instruction

Materials

Component	Material
Face mask	Silicone rubber
Head harness	Silicone rubber
Inhalation valve	Silicone rubber
Exhalation valve	Silicone rubber
Gasket	Silicone rubber
Lens	Polycarbonate

* 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. 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). For example: German APFs range from 30 to 400 and UK APFs range from 10 to 40 depending on the product type and classification. Employers may apply a value lower than the NPF/APF if deemed applicable.

Please refer to EN 529:2005 and National workplace protection guidance for application of these numbers in the workplace. Please contact 3M for further information.

Key features

- Durable, reusable respirator
- Soft, pliable silicone face seal material with soft compound inner nose-cup increases user comfort
- Flexible system (gas and vapour) and/or particulate filters plus supplied air option
- Twin filter design
- Double face sealing gasket
- Speech diaphragm improves communication
- Six strap harness assembly for easy adjustment
- Face piece weight: 503 grams

Spare parts

Part	Description
6895	Inhalation gasket
7282	Inhalation valves
7283	Exhalation valve
7835	Speech diaphragm replacement
7882	Nose cup valve assembly
7883	Neck strap assembly
7893	Headstrap and harness
7895	Speech diaphragm kit
7910	Bayonet connector
7924	Breathing room assembly
7927	Lens
7991	Textured nose cup assembly
7992	Lens covers
501	Retainer for 5000 Series Filters
603	Particulate filter platform
105	Face seal cleaner

Shelf life

Shelf life: 6 year from production date when stored at storage conditions described on packaging.

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

3M™ Particulate Filters, 6000 Series

Filter	Protection level	Protects against
3M™ P3 Particulate Filters 6035	P3 R	Solid and liquid particles – in solid plastic case for rough application
3M™ P3 Particulate Filters 6038	P3 R	Solid and liquid particles – in solid plastic case for rough application, Hydrogen Fluoride up to 30 ppm and relief from nuisance level, organic vapour and acid gases below OEL

3M™ Particulate Filters, 5000 Series

Filter	Protection level	Protects against
3M™ P1 R Particulate Filters 5911	P1 R	Solid and liquid particles
3M™ P2 R Particulate Filters 5925	P2 R	Solid and liquid particles
3M™ P3 R Particulate Filters 5935	P3 R	Solid and liquid particles

3M™ Particulate Filters, 2000 Series

Filter	Protection level	Protects against
3M™ P2 R Particulate Filters 2125	P2 R	Solid and liquid particles
3M™ P2 R Particulate Filters 2128	P2 R	Solid and liquid particles, plus relief from ozone up to 10 x OEL), plus relief from nuisance level acid gas/ organic vapour
3M™ P3 R Particulate Filters 2135	P3 R	Solid and liquid particles
3M™ P3 R Particulate Filters 2138	P3 R	Solid and liquid particles, plus relief from ozone up to 10 x OEL), plus relief from nuisance level acid gas/ organic vapour

3M™ Gas, Vapour and Particulate Filters 6000 Series

Filter	Protection level	Protects against
3M™ Gas, Vapour and Particulate Filter A1P3 R, 6091	A1P3 R	Organic gases and vapours (boiling point above 65°C) and particulates
3M™ Gas, Vapour and Particulate Filter A1B1E1K1P3 R + formaldehyde, 6092	A1B1E1K1 P3 R + Formaldehyde	Organic vapours (boiling point above 65°C) inorganic vapours, acid gases, ammonia and its derivatives, formaldehyde up to 10 ppm and particulates
3M™ Gas, Vapour and Particulate Filter A2P3 R, 6095	A2P3 R	Organic gases and vapours (boiling point above 65°C) and particulates
3M™ Gas, Vapour and Particulate Filter A1E1HgP3R, 6096	A1E1 HgP3R	Organic vapours (boiling point above 65°C), acid gases, mercury and particulates
3M™ AXP3 R Low Boiling Point Organic Vapour and Particulate Filters 6098	AXP3 R	Single compound organic vapours (boiling point below 65°C) and particulates
3M™ Gas, Vapour and Particulate Filter A2B2E2K2HgP3 R + formaldehyde, 6099	A2B2E2K2HgP3 R	Organic vapours (boiling point above 65°C), inorganic vapours, acid gases, ammonia and its derivatives, mercury, formaldehyde up to 10ppm and particulates

3M™ Gas and Vapour Service Life Indicator Filters 6000i Series

Filter	Protection level	Protects against
3M™ A1 Organic Vapour Filters with End of Service Life Indicator 6051i	A1	Organic vapours bp>65°C
3M™ A2 Organic Vapour Filters with End of Service Life Indicator 6055i	A2	Organic vapours bp>65°C

3M™ Gas and Vapour Filters 6000 Series

Filter	Protection level	Protects against
3M™ A1 Gas and Vapour Filters 6051	A1	Organic vapours bp>65°C
3M™ Gas and Vapour Filter, K1, 6054	K1	Ammonia and derivatives
3M™ A2 Gas and Vapour Filters 6055	A2	Organic vapours bp>65°C
3M™ ABE1 Gas and Vapour Filters 6057	ABE1	Organic vapours (boiling point above 65°C), inorganic vapours and acid gases
3M™ ABEK1 Gas and Vapour Filters 6059	ABEK1	Organic vapours (boiling point above 65°C), inorganic vapours, acid gases, ammonia and its derivatives
3M™ Formaldehyde + A1 Gas and Vapour Filters 6075	A1 + Form	Formaldehyde, organic vapours bp>65°C

3M Breathing Tube Options

Breathing Tube	3M™ Versaflo™ Powered Air Turbo TR-602E / TR-802E	3M™ Air Supply Unit S-200+
BT-63 / BT-64	Yes	N/A
S-222	N/A	Yes

Cleaning and storage

Cleaning is recommended when necessary.

1. Disassemble by removing the filters/breathing tube (if applicable), nose cup, centre adapter, lens, head straps and face seal.
2. Clean and sanitise the mask (excluding filters) using 3M™ Face Seal Cleaner 105 or immersing in warm cleaning solution of water and household soap, and scrubbing with a soft brush until clean. Parts may also be cleaned in a domestic washer. If necessary, wash the outside of the breathing hose carefully using warm water solution containing a mild detergent. Ensure the breathing hose connections are free from all dirt or debris that could prevent an effective seal with the blower.
3. Disinfect respirator by soaking in a solution of quaternary ammonium disinfectant or sodium hypochlorite or other disinfectant.
4. Rinse in fresh, warm water and air-dry in non contaminated atmospheres.

   Water temperature should not exceed 50°C. Do not use cleaning agents that contain lanolin or other oils. Do not autoclave.

   The lens is polycarbonate with an abrasion resistant coating but abrasive cleaners and some solvents may damage it. Avoid using acetone, methyl ethyl ketone, toluene, methylene chloride and other strong solvents.

   For information regarding cleaning in an automated respirator washing machine, please contact 3M.

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

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