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3M™ Full Face Respirator 6000 Series

Technical datasheet



Product description

3M™ Full Face Respirator 6000 Series are available in three sizes, all masks have the 3M bayonet connection system allowing connection to a broad range of twin lightweight filters to protect against gases, vapours and particulates depending on your individual needs.



Key features

- Reusable, low maintenance respirator
- Lightweight, well-balanced with soft silicone nose cup ensures comfort during long periods of work
- Flexible System (gas and vapour and/or particulate filters plus Supplied-Air option)
- Twin filter design
- 3 sizes (small - 6700, medium – 6800, large - 6900)
- Spectacle Kit available
- Face piece weight: 400 grams

Nominal Protection Factors offered by the 3M™ Full Face Respirator 6000 Series

3M™ Full Face Respirator 6000 Series	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™ Air Supply Unit	See Airline user instruction

*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.

Standards and approvals

These products have been tested to the relevant European Standards: 3M™ Full Face Respirator 6000 Series to EN 136:1998 Class 1. Relevant performance requirements of EN 166: 2001 (Eye Protection - Protection against high speed particles, medium energy).

The Certificate and Declaration of Conformity available at the following website: www.3M.com\Respiratory\certs

Gas and Vapour/Combination Filters

Filter		Standard	Class	Hazard
6051 (06911) 6055 (06915)		EN 14387: 2004 +A1:2008	A1 A2	Organic Vapours bp>65 °C
6054		EN 14387: 2004 +A1:2009	K1	Ammonia and derivatives
6057		EN 14387: 2004 +A1:2010	ABE1	Organic vapours (boiling point above 65°C), inorganic vapours and acid gases.
6059		EN 14387: 2004 +A1:2011	ABEK1	Organic vapours (boiling point above 65°C), inorganic vapours, acid gases, ammonia and its derivatives.
6075		EN 14387: 2004 +A1:2012	A1 + formaldehyde	Formaldehyde, Organic Vapours bp>65 °C
6091		EN 14387: 2004 +A1:2013	A1P3 R	Organic gases and vapours (boiling point above 65°C) and particulates
6092		EN 14387: 2004 +A1:2014	ABEK1P3 R + formaldehyde	Organic vapours (boiling point above 65°C) inorganic vapours, acid gases, ammonia and its derivatives, formaldehyde up to 10 ppm and particulates
6095		EN 14387: 2004 +A1:2015	A2P3 R	Organic gases and vapours (boiling point above 65°C) and particulates
6096		EN 14387: 2004 +A1:2016	A1E1HgP3 R	Organic vapours (boiling point above 65°C), acid gases, mercury and particulates
6051i/6055i		EN 14387: 2004 +A1:2017	A1 A2 With 3M™ Service Life Indicator	Organic Vapours bp>65 °C

Particulate Filters

Filter		Standard	Class	Hazard
5911 5925(06925) 5935		EN 143:2000 / A1:2006	P1 R P2 R P3 R	Solid and liquid particles
2125 2135		EN 143:2000 / A1:2006	P2 R P3 R	Solid and liquid particles
2128 2138		EN 143:2000 / A1:2006	P2 R P3 R	Solid and liquid particles, plus relief from Ozone up to 10 x OEL), plus relief from nuisance level acid gas/ organic vapour
6035		EN 143:2000 / A1:2006	P3 R	Solid and liquid particles – in solid plastic case for rough application
6038		EN 143:2000 / A1:2006	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.

Materials

Component	Material
Facemask	Silicone Rubber
Head Harness	Polyethylene
Inhalation Valve	Polyisoprene
Exhalation Valve	Silicone Rubber
Gasket	Silicone Rubber
Lens	Polycarbonate

Shelf life

Cleaning is recommended when necessary.
Shelf life: 5 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

Spare parts

Part	Description
6895	Inhalation Gasket
6893	Inhalation Valves
7583	Exhalation Valve
6864	Centre Adapter Assembly
6896	Centre Port Adapter Gasket
6897	Head Harness Assembly
6898	Lens Assembly
6885	Lens Covers (x25)
6878	Spectacle Kit
7883	Neck Strap Assembly
501	Retainer for 5000 Series Filters
603	Particulate Filter Platform
105	Face Seal Cleaner
S-200+	Supplied Air Regulator

Cleaning and storage

Cleaning is recommended when necessary

1) Disassemble by removing the filters, 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.
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 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.

Simlu Holdings
Nexus House, Zimbali Lodge Drive, Port Zimbali, Dolphin Coast, 4399
Tel: 087 711 2315 | Email: info@simlu.africa | Website: www.simlu.africa