Technical data sheet

Product:	6500QL Series
Manufacturer:	3M DEUTSCHLAND GMBH
Product group:	ARBEITSSCHUTZ
Article group:	MASKEN
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3M™ REUSABLE HALF MASK 6500QL SERIES

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3M™ Reusable Half Masks 6500QL Series

Technical datasheet

Product description

3M™ Reusable Half Masks 6500QL Series has been designed with tough and dirty work environments in mind and are available with 3M™ Quick Latch Drop Down Mechanism. 3M™ Quick Latch allows easy on and off as you move in and out of contaminated areas, with no need to remove your hard hat or face shield when lowering or raising your respirator. 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

- Adjustable head harness assembly, including 3M™ Quick Latch Drop Down Mechanism
- Silicone faceseal
- Flexible bayonet system for connection to a wide range of 3M™ gas, vapour and particulate filters
- Over-moulded/low-profile design simplified cleaning and maintenance with fewer parts and crevices
- Valve cover design that directs exhaled breath and moisture downward and allows for an easy positive pressure seal check
- Available with 3M™ Quick Latch, designed so that the half mask can easily be “dropped down” when not in a contaminated area, without having to remove the head cradle from your head
- 3 sizes (small – 6501QL, medium – 6502QL, large – 6503QL)

Filter options

3M™ Reusable Half Masks 6500QL 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 for low capacity gas protection.

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).

Gas and Vapour/Combination Filters

Filter		Standard	Class	Hazard
6051 (06911) 6055 (06915)		EN 14387: 2004 +A1:2008	A1 A2	Organic vapours (b.pt. > 65°C)
6054		EN 14387: 2004 +A1:2009	K1	Ammonia and derivatives
6057		EN 14387: 2004 +A1:2010	ABE1	Combination organic vapours (b.pt. >65°C), inorganic and acid gases
6059		EN 14387: 2004 +A1:2011	ABEK1	Combination organic vapours (b.pt. >65°C), inorganic and acid gases and ammonia
6075		EN 14387: 2004 +A1:2012	A1 + formaldehyde	Organic vapours (b.pt. >65°C) and formaldehyde
6091		EN 14387: 2004 +A1:2013	A1P3 R	Organic vapours (b.pt. >65°C), and particulates
6092		EN 14387: 2004 +A1:2014	ABEK1P3 R + formaldehyde	Combination organic vapours (b.pt. >65°C), inorganic and acid gases, ammonia particulates and formaldehyde
6095		EN 14387: 2004 +A1:2015	A2P3 R	Organic vapours (b.pt. >65°C), and particulates
6096		EN 14387: 2004 +A1:2016	A1E1HgP3 R	Organic vapours, acid gases (b.pt. >65°C), mercury vapour, chlorine and particulates

Particulate Filters

Filter		Standard	Class	Hazard
5911 5925(06925) 5935		EN 143:2000 / A1:2006	P1 R P2 R P3 R	Particulates (fine dusts and mists)
2125 2135		EN 143:2000 / A1:2006	P2 R P3 R	Particulates (fine dusts and mists)
2128 2138		EN 143:2000 / A1:2006	P2 R P3 R	Particulates, ozone and nuisance levels of organic vapours and acid gases
6035		EN 143:2000 / A1:2006	P3 R	Particulates (fine dusts and mists)
6038		EN 143:2000 / A1:2006	P3 R	Particulates, hydrogen fluoride at 30ppm, nuisance levels of organic vapours and acid gases

Standards and approvals

The 3M™ Reusable Half Masks 6500 Series 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

Intended use

When the 3M™ Reusable Half Masks 6500 Series is fitted with Gas and Vapour Filters: 6000 Series gas and vapour filters may be used in concentrations of gases or vapours (types specified by 3M) up to 50 x the Occupational Exposure Limit (OEL) or 1000ppm (5000ppm for 6055) whichever value is lower. 6075 and 6092 also offer protection against concentrations of formaldehyde (10ppm only). 6000 Series gas and vapour filters should not be used to protect the wearer against a gas or vapour that has poor warning properties (smell or taste).

When the 3M™ Reusable Half Masks 6500 Series is fitted with Particulate Filters: 5911 filters may be used in concentrations of particulates up to 4 x OEL. 5925, 2125 or 2128 filters may be used in concentrations of particulates up to 12 x OEL. 3M™ Particulate Filters 2138, 2135, 5935, 6035 or 6038 may be used in concentrations of particulates up to 48 x OEL. 3M™ Particulate Filters 2128 and 2138 may be used to protect against ozone up to 10 x OEL and offers relief from acid gases and organic vapours at levels below the OEL. 3M™ Particulate Filter 6038 offers protection against 30ppm Hydrogen Fluoride and offers relief from, acid gases and organic vapours at levels below the OEL.

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.*

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.

* 3M definition minimum 19.5% by volume oxygen

Cleaning and storage

1. Disassemble by removing the filters, head straps and other parts.

2. Clean and sanitise the mask (excluding filters) using 3M™ 105 Face Seal Cleaner or immersing in warm cleaning solution 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 (30ml household bleach in 7.5l of water) 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.

Materials

Part	Description
Faceseal	Silicone rubber
Over mould	Nylon
Inhalation valve	Polyisoprene
Exhalation valve	Nylon/silicone
Straps	Polyester fibre/polyurethane elastic
Head cradle	Polyethylene
Buckles	Polypropylene

Spare parts

Part		Description
6582		Rugged comfort QL cradle
6583		Rugged comfort exhalation valve
6893		Inhalation valve

Shelf life

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.

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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