



# Technical Datasheet

## 3M™ Reusable Half Face Respirator 7500 Series

### Main Features

3M™ 7500 Series Respirators have set a new standard in comfort. The exhalation valve provides increased durability and is easy to keep clean. Reduced breathing resistance helps to minimise heat built-up in the mask and increases your comfort. Available in three sizes, all respirators 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. The mask can also be used with the 3M™ Supplied-Air System SA-2000 for increased convenience and flexibility.

#### The main features include:

- Durable, reusable half face respirator with full maintenance program available.
- Soft silicone material reduces pressure/ tension on face for added comfort during long periods of work.
- Flexible System (gas / vapour and / or particulate filters plus Supplied-Air option).
- Exhalation valve ensures easier breathing while reducing heat and moisture build-up. It also eliminates valve vibration for easier communication.
- Downward direction of exhalation air reduces fogging when using grinding and welding shields.
- Twin filter design provides lower breathing resistance, a more balanced fit, and improves field of vision.
- New adjustable head harness and yoke design provides greater stability.
- Easy and secure fitting with drop-down feature for added convenience.
- Head harness designed to accommodate other PPE, including grinding or welding shields and the 3M Eyewear range.
- Safe, secure bayonet filter attachment system with cost effective replacement filters.
- 3 sizes (small - 7501, medium - 7502, large - 7503).
- Colour coded sizes for easier identification.
- Nominal Face piece weight: 130-140 grams.

### Applications

The 7500 Series Respirators 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).

- The **6000 Series** filters fit directly onto the respirator except for the 6098 and 6099.

**Particulate filters only:** These filters provide protection against solid and non-volatile liquid particles.

- The **2000 Series** particulate filters fit directly onto the respirator.
- The 6035 & 6038 are encapsulated P3 filters, which fit directly onto the respirator.

#### Combination of Gas & Vapour and Particulate filters:

- The **5000 Series** particulate filters can be used with **6000 Series** Gas and Vapour filters using 501 retainers excluding the 6035, 6038, 6096, 6098 and 6099.
- The 6096 has Particulate filter media integrated with the Gas and Vapour cartridge.
- The 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 SA-2100 Supplied Air Regulator except for the 5925, 6098 and 6099 filters.

