

# Particulate Filter 2097, P100 with Nuisance Level Organic Vapor Relief\*

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The 3M™ Particulate Filter 2097, P100 has been developed with your respiratory needs in mind. Specially designed carbon layers help remove nuisance levels of organic vapors.\*

The 2097 provides you and your workers:

- **Comfort.** 3M's Advanced Electret Media (AEM) provides a lightweight, easy breathing combination not found in fiberglass containing filters.<sup>1</sup>
- **Versatile protection.** The 2097 is well suited for a wide range of oil and non-oil based particulate contaminants. Ideal for welding, metal pouring, torch cutting, abatement or as a prefilter for certain chemical exposures.
- **Simplicity.** The versatility of this filter reduces your inventory and training requirements.
- **Compatibility.** The 2097 can be used with 3M's wide variety of half and full facepiece designs.<sup>2</sup>
- **Exceptional filter efficiency.** Passing NIOSH's P-series test criteria, the 2097 P100 filter provides a minimum 99.97% filter efficiency.<sup>3</sup>

## Suggested Applications



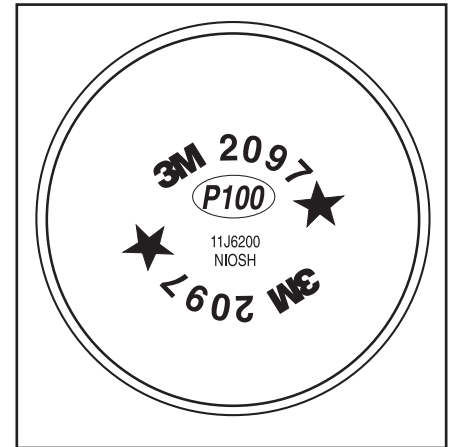
- Chemical manufacturing
- Undercoating




- Welding
- Brazing
- Soldering
- Torch cutting
- Metal pouring



- OSHA substance specific particle exposures:
  - Lead
  - Asbestos
  - Cadmium
  - Arsenic
  - 4,4'–Methylenedianiline (MDA)
- Pharmaceutical manufacturing



3M™ Particulate Filter 2097, P100



**WARNING**

These filters help reduce exposure to certain particles. **Misuse may result in sickness or death.** Before use, the wearer must read and understand **User Instructions** provided as a part of product packaging. Time use limitations may apply. For proper use, see package instructions, supervisor or call 3M OH&ESD Technical Service in U.S.A., 1-800-243-4630. In Canada, call 1-800-267-4414.

\*3M recommended for relief against nuisance levels of organic vapors. Nuisance level organic vapor refers to concentrations not exceeding OSHA PEL or applicable exposure limits, whichever is lower.

### References:

1. The 2097 filter contains no components made from fiberglass.
2. The 2097 filter can be used as a stand-alone filter with 3M™ 6000 and 7000 Series Facepieces or as a prefilter with 3M™ 5000 Series Respirators and 6000 Series Cartridges (use with 502 adapter).
3. Tested against particles approximately 0.3 micron in size (mass median aerodynamic diameter) per 42 CFR 84.

Filters Per Bag	Filters Per Case
2	100

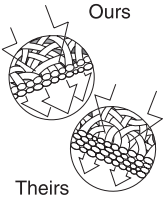
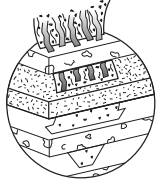

**Use For:**

- Solids such as those from processing minerals, coal, iron ore, cotton, flour and certain other substances.
- Liquid or oil based particles from sprays that do not also emit **harmful** vapors.
- Metal fumes produced from welding, brazing, cutting and other operations involving heating of metals.
- Radioactive particulate materials such as uranium and plutonium.
- Asbestos.
- Organic vapors below the OSHA PEL or applicable government standards, whichever is lower. 3M recommended for ozone protection up to 10 times the OSHA PEL.

**Do Not Use For:**

Gases and vapors above the OSHA PEL, including those present in paint spraying operations, unless combined with approved chemical cartridges. Sandblasting. Aerosol concentrations that exceed 10 times the OSHA PEL with a half facepiece, or 50 times the PEL with a full facepiece when quantitatively fit tested, or applicable government regulations, whichever is lower. This respirator filter does not supply oxygen.

**Technologies**

 <p>Ours</p> <p>Theirs</p>		
<p><b>Advanced Electret Media</b>                      Advanced electrostatically charged microfibers make breathing easier and cooler.</p>	<p><b>Odor-Removing Filter Material</b>                      Carbon layers remove many nuisance odors for greater comfort and productivity.</p>	<p><b>P-Series Filter</b>                      Featuring Advanced Electret Media, appropriate for prolonged use in both oil- and non-oil-containing environments.</p>

**Important**

Before using these filters, you must determine the following:

1. The type of contaminant(s) for which the respirator is being selected.
2. The concentration level of contaminant(s).
3. Whether the respirator can be properly fitted on the wearer's face. Do not use with beards, on other facial hair, or other conditions that prevent a good seal between the face and the facepiece of the respirator.
4. Before use of these respirators, a written respiratory protection program must be implemented, meeting all the requirements of OSHA 29 CFR 1910.134, including training, medical evaluation and fit testing.

**Time Use Limitation**

If filter becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the filter. If used in environments containing only oil aerosols, dispose of filter after 40 hours of use or 30 days, whichever is first.

**For more information, please contact:**

**3M Occupational Health and Environmental Safety Division (OH&ESD)**

**In the U.S., contact:**

**Sales Assistance**  
 1-800-896-4223

**Technical Assistance**  
 1-800-243-4630

**Fax On Demand**  
 1-800-646-1655

**Internet**  
<http://www.3M.com/occsafety>

**For other 3M products**  
 1-800-3M HELPS

**In Canada, contact:**

3M Canada Company, OH&ESD  
 P.O. Box 5757  
 London, Ontario N6A 4T1

**Sales Assistance**  
 1-800-265-1840, ext. 6137

**Technical Assistance (Canada only)**  
 1-800-267-4414

**Fax On Demand**  
 1-800-646-1655

**Internet**  
<http://www.3M.com/CA/occsafety>

**Technical Assistance In Mexico**

01-800-712-0646  
 5270-2255, 5270-2119 (Mexico City only)

**Technical Assistance In Brazil**  
 0800-132333

**Fax On Demand O.U.S. Locations**  
 1-651-732-6530

**3M Occupational Health and Environmental Safety Division**

3M Center, Building 235-2W-70  
 St. Paul, MN 55144-1000