



6003

Cartridge 6000 Series

User Manual for 3M™ Cartridge 6001 (07046)*, 6002, 6003 (07047)*, 6004, 6005, 6006, 6009 and 6009S

IMPORTANT: Keep these *User Instructions* for reference. 98-0060-0065-1_6
34-8718-6340-2

For use only with 3M™ Full and Half Facepiece Respirators, 6000, 7000 and FF-400 Series according to the NIOSH approval label.

* 07046 and 07047 are catalog numbers only. NIOSH approved as 3M™ Organic Vapor Cartridge 6001 and Organic Vapor/Acid Gas Cartridge 6003.

This respirator cartridge has dual approval as a United States (US) National Institute for Occupational Safety and Health (NIOSH) chemical cartridge and as a Brazil Ministry of Labor Class 1 chemical filter. Specific information is provided where applicable. All other information is common to both standards.



WARNING

These cartridges help protect against certain airborne contaminants. **Misuse may result in sickness or death.**

Use cartridge before expiration date. 

IMPORTANT

Before use, the wearer must read and understand these *User Instructions*, and the *User Instructions* for the 3M™ Full and Half Facepiece Respirators, 6000, 7000 and FF-400 Series to be used with these cartridges. These cartridges are NIOSH approved only for use with 3M™ Full and Half Facepiece Respirators, 6000, 7000 and FF-400 Series. Keep these *User Instructions* for reference.

Use For

Respiratory protection from certain airborne contaminants according to local applicable regulations and approvals, NIOSH approvals, in the U.S. OSHA limitations, in Canada CSA standard Z94.4 requirements, in Brazil the Respiratory Protection Program of the Ministry of Labor, other applicable regulations and 3M instructions.

Do Not Use For

- Do not use for particulates, unless combined with approved particulate filters.
- Do not use for sandblasting.

Use Instructions

- Failure to follow all instructions and limitations on the use of this cartridge and/or failure to wear the respirator during all times of exposure can reduce respirator effectiveness and **may result in sickness or death.**
- Before occupational use of these cartridges, a written respiratory protection program must be implemented meeting all the local applicable requirements. In the U.S., follow OSHA 29 CFR 1910.134 which includes medical evaluation, training and fit testing. In the U.S., users must also comply with applicable OSHA substance specific standards. In Canada, CSA standard Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. In Brazil, follow the requirements of the Respiratory Protection Program of the Ministry of Labor.
- The airborne contaminants which can be dangerous to your health include those so small that you cannot see them.
- Leave the contaminated area immediately and contact your supervisor if you smell or taste contaminants or if dizziness, irritation, or other distress occurs.
- Store the cartridges and respirator away from contaminated areas when not in use. Store unopened cartridges in a cool dry place.
- Dispose of used cartridges in accordance with applicable regulations.

Use Limitations

- These cartridges do not supply oxygen. Do not use in atmospheres containing less than 19.5% oxygen.
- Do not use when concentrations of contaminants:
 - are immediately dangerous to life or health (IDLH),
 - are unknown,
 - are greater than 10 times the permissible exposure limit (PEL) with half facepiece respirators and full facepiece respirators when qualitatively fit tested,
 - are greater than 50 times the PEL with full facepiece respirators when quantitatively fit tested, or
 - exceed specific local applicable government regulations (such as OSHA standards in the U.S.) or other applicable government regulations, whichever is lower.
- Do not alter, clean (e.g. vacuum, wash, use compressed air), abuse or misuse these cartridges and/or respirator.
- Do not use with beards, facial hair or other conditions that prevent a good seal between the face and the sealing surface of the respirator.

In Brazil, according to the Respiratory Protection Program of the Ministry of Labor, do not use when concentrations of contaminants are greater than 10 times the permissible exposure limit using a half facepiece or 100 times the permissible exposure limit using a full facepiece.

Assembly on Facepiece

See below or facepiece *User Instructions* for assembly.

- Align cartridge notch with facepiece mark, as shown, and push together (Fig. 1).
- Turn cartridge clockwise one quarter turn until it is firmly seated and cannot be further turned (Fig. 2).
- Repeat for second cartridge.

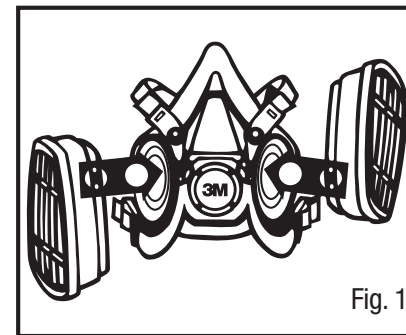


Fig. 1

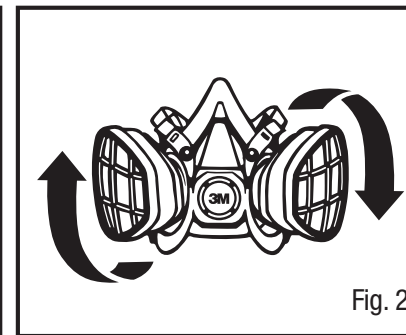


Fig. 2

Time Use Limitations

Replace cartridge in accordance with an established change schedule or earlier if smell, taste or irritation from contaminants is detected.

Special Instructions for 3M™ Mercury Vapor or Chlorine Gas Cartridge 6009 and 3M™ Mercury Vapor, Chlorine or Sulfur Dioxide Gas Cartridge 6009S

3M™ Mercury Vapor Cartridges (6009 and 6009S) are equipped with passive 3M™ End of Service Life Indicators (ESLI) for mercury vapor. The color change indicator must be readily visible when wearing the respirator without manipulation. If you cannot readily see the ESLI, do not use. The mercury vapor cartridges must be discarded when the ESLI changes to the discard color found on the mercury vapor cartridge label; or within 30 days of opening packaging; or when ESLI becomes dirty or damaged; or when odors of vapors or gases become noticeable; or according to chlorine or sulfur dioxide service life, whichever occurs first. Mercury vapor has no odor.

NIOSH approval: See NIOSH approval label insert.

For Compliance in Brazil NOTE:

3M™ Cartridge 6000 Series – Class 1

- 6001:** Respiratory Protection against Organic Vapors – Class 1
 - 6002:** Respiratory Protection against Acid Gases (chlorine gas, hydrogen chloride/sulfur dioxide or chlorine dioxide or hydrogen sulfide) – Class 1
 - 6003:** Respiratory Protection against Organic Vapors/Acid Gases – Class 1
 - 6004:** Respiratory Protection against Ammonia and Methylamine – Class 1
 - 6005:** Respiratory Protection against Formaldehyde and Organic Vapors – Class 1
 - 6006:** Respiratory Protection against some organic vapors, chlorine gas, hydrogen chloride, sulfur dioxide, chlorine dioxide, hydrogen sulfide, ammonia/methylamine, formaldehyde or hydrogen fluoride (multi-gas) – Class 1
 - 6009:** Respiratory Protection against Mercury Vapor or Chlorine Gas – Class 1
 - 6009S:** Respiratory Protection against Mercury Vapor, Chlorine Gas or Sulfur Dioxide - Class 1
- NOTE:**
- Do not use in deficient or enriched oxygen atmospheres.
 - Storage, Transportation and Care: store in a clean and dry place and away from contaminants and extreme temperature and humidity.
 - The components of this respirator are made of materials which are not expected to cause adverse health effects.
 - It is necessary to have special care to use this product in explosives atmospheres.



THIS CARTRIDGE IS APPROVED ONLY IN THE FOLLOWING CONFIGURATIONS:

RESPIRATOR COMPONENTS

Table with columns for Cartridge, Protection, Respirator Components, and Cautions. Rows list various 3M cartridge models and their compatibility with different respirator models.

1. PROTECTION
N95 - Particulate Filter (95% filter efficiency level) effective against particulate aerosols free of oil, time use restrictions may apply.
P95 - Particulate Filter (95% filter efficiency level) effective against all particulate aerosols.
P100 - Particulate Filter (99.97% filter efficiency level) effective against all particulate aerosols.

- 2. CAUTIONS AND LIMITATIONS
A - Not for use in atmospheres containing less than 19.5 percent oxygen.
B - Not for use in atmospheres immediately dangerous to life or health.
C - Do not exceed maximum use concentrations established by regulatory standards.
D - Air-line respirators can be used only when the respirators are supplied with respirable air meeting the requirements of CGA G-7.1 Grade D or higher quality.
E - Use only the pressure ranges and hose lengths specified in the User's Instructions.
G - If airflow is cut off, switch to filter and/or cartridge or canister and immediately exit to clean air.
H - Follow established cartridge and canister change schedules or observe ESLI to ensure that cartridge and canisters are replaced before breakthrough occurs.
J - Failure to properly use and maintain this product could result in injury or death.
L - Follow the manufacturer's User's Instructions for changing cartridges, canister and/or filters.
M - All approved respirators shall be selected, fitted, used, and maintained in accordance with MSHA, OSHA, and other applicable regulations.
N - Never substitute, modify, add, or omit parts. Use only exact replacement parts in the configuration as specified by the manufacturer.
O - Refer to User's Instructions, and/or maintenance manuals for information on use and maintenance of these respirators.
P - NIOSH does not evaluate respirators for use as surgical masks.
S - Special or critical User's Instructions and/or specific use limitations may apply. Refer to User's Instructions before donning.