

3M FR-64
Cartridge
User Instructions

(Keep these instructions for reference)



WARNING

This cartridge helps reduce exposure to certain airborne contaminants but does not eliminate exposure or the risk of contracting disease or infection. **Misuse may result in sickness or death.** For proper use, see supervisor or *User Instructions*

Important

This cartridge is NIOSH approved only with the 3M™ FR-M40 Full Facepiece, 3M™ 6000DIN Series Full Facepiece and 3M™ 7800S Full Facepiece Respirators for certain organic vapors, sulfur dioxide, chlorine, hydrogen chloride, chlorine dioxide, hydrogen fluoride, ammonia, methylamine, formaldehyde, hydrogen sulfide (escape only), phosphine, chloroacetophenone (CN) or o-chlorobenzylidene malonitrile (CS); and as a P100 particulate filter. It is not NIOSH approved with the standard Military M40 Chemical Biological Mask. Before use, the wearer must read and understand these *User Instructions* and the *User Instructions* enclosed with the facepiece. Keep these instructions for future reference.

Use For

Respiratory protection from certain organic vapors, sulfur dioxide, chlorine, hydrogen chloride, chlorine dioxide, hydrogen fluoride, ammonia, methylamine, formaldehyde, hydrogen sulfide (escape only), phosphine, chloroacetophenone (CN) or o-chlorobenzylidene malonitrile (CS) and P100 particulates when used with the 3M™ FR-M40 Full Facepiece, 3M™ 6000DIN Series Full Facepiece and 3M™ 7800S Full Facepiece Respirators in accordance with all use and limitation instructions and applicable safety and health regulations. The respirator may be used at concentrations up to 50 times the PEL or airborne exposure limit if quantitative fit testing (QNFT) is utilized. The respirator may be used at concentrations up to 10 times the PEL or airborne exposure limit if qualitative fit testing (QLFT) is utilized. The respirator must be used at concentrations lower than the immediately dangerous to life or health (IDLH) limit.

Do Not Use For

Concentrations of contaminants that are immediately dangerous to life or health (IDLH) or are unknown or when concentrations exceed the use limitations for the respirator specified in OSHA standards or applicable government regulations, whichever is lower.

Concentrations of contaminants greater than 50 times the PEL or airborne exposure limit if quantitative fit testing (QNFT) has been utilized or 10 times the PEL or airborne exposure limit if qualitative fit testing (QLFT) has been utilized or concentrations above the IDLH limit, whichever is lower.

Use Instructions

1. 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.
2. Before occupational use of this cartridge, a written respiratory protection program must be implemented meeting all the requirements of OSHA 29 CFR 1910.134 such as training and fit testing, and applicable OSHA substance specific standards. In Canada, CSA standard Z94.4 requirements must be met.

3. The airborne contaminants which can be dangerous to your health include those so small that you cannot see them.
4. Leave the contaminated area immediately and contact supervisor if you smell or taste contaminants or if dizziness, irritation, or other distress occurs.
5. Store the cartridge and respirator away from contaminated areas when not in use.

Use Limitations

1. This cartridge does not supply oxygen. Do not use in atmospheres that are oxygen deficient (<19.5% oxygen).
2. Do not alter, abuse or misuse this cartridge or respirator.
3. Do not use respirator with beards or other facial hair or other conditions that prevent direct contact between face and respirator face seal.

Time Use Limitations

1. For use with particulates: if cartridge becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area immediately and replace the cartridge. If used in environments containing oily aerosols, dispose of cartridge after 40 hours of use or 30 days, whichever is first.
2. For use with chemical contaminants: replace cartridge in accordance with an established change schedule or earlier if smell, taste or irritation from contaminants is detected. If a change schedule has not been developed do not enter contaminated area. See supervisor. For guidance on development of change schedule, please see the 3M OH&ESD web site (<http://www.mmm.com/occsafety/>), the OSHA web site (<http://www.osha-slc.gov/SLTC/respiratoryprotection/changeout.html>) or contact 3M Technical Service in U.S.A.
3. Dispose of cartridge in accordance with applicable regulations.

Assembly

Do not open until ready to use. Only one FR-64 Cartridge is required. See facepiece *User Instructions* for assembly instructions specific to that facepiece.

1. Open the cartridge packaging. Remove cap and plug from cartridge.
2. Screw the cartridge into the cartridge inlet port on the facepiece.
3. Hand-tighten the cartridge completely so that an airtight seal is achieved. Do not overtighten the cartridge as this can cause distortion or displacement of the air inlet seal.

NBC Safety

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