FR-C2A1 Cartridge User Instructions



AWARNING

This cartridge helps reduce exposure to certain airborne contaminants but does not eliminate exposure to or the risk of contracting disease or infection. **Misuse may result in sickness or death.** For proper use, see supervisor, or *User Instructions*, or call 3M

IMPORTANT

This cartridge is NIOSH approved only with the $3M^{TM}$ FR-M40 Full Facepiece for chlorine, hydrogen chloride, sulfur dioxide, chloroacetophenone (CN), o-chlorobenzylidene malononitrile (CS) and as a P100 particulate filter. It is not NIOSH approved with the standard M40 Military Chemical Biological Mask. Before use the wearer must read and understand these *User Instructions* and the *User Instructions* enclosed with the facepiece. Keep this insert for future reference.

Use For

Respiratory protection from sulfur dioxide, chlorine, hydrogen chloride, chloroacetophenone (CN) o-chlorobenzylidene malononitrile (CS) and particulates when used with the FR-M40 Facepiece in accordance with all use and limitation instructions and applicable safety and health regulations.

Do Not Use For

Concentrations of contaminants which are immediately dangerous to life or health, are unknown or when concentrations exceed the use limitations for the cartridge and facepiece specified in OSHA standards or applicable government regulations, whichever is lower.

Exposure to industrial chemicals not included in the NIOSH approval.

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, medical evaluation and fit testing, and applicable OSHA substance specific standards. In Canada, CSA standard Z94.4-93 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 containing less than 19.5% oxygen.
- 2. Do not alter, abuse or misuse this cartridge and/or respirator.
- 3. Do not use respirator assemblies with beards or other facial hair or other conditions that prevent direct contact between face and respirator face seal.

Time Use Limitations

- 1. If cartridge becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area immediately and replace the cartridge.
- 2. Replace cartridge in accordance with an established change schedule or earlier if smell, taste or irritation from contaminants is detected.
- 3. Dispose after initial use in accordance with applicable regulations.

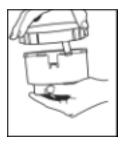
Assembly

Do not open until ready to use. The FR-M40 requires the use of one cartridge.

- 1. To open the unit pack, lift the plastic tab on the side of the lid upwards out of the locking port thus breaking the security bridge.
- 2. Turn the lid counter-clockwise (the tab can be used as a push point) approximately one inch until it stops.
- 3. Lift the lid upwards away from the body of the unit pack. With the plastic lid off, peel back the white foil seal using the integral foil tab.
- 4. Remove canister from unit pack by placing hand over top and turning container upside down, allowing canister to fall into your hand.
- 5. Ensure that the inhalation valve seat and valve has been installed in the cartridge inlet port on the facepiece.
- 6. Screw the cartridge into the cartridge inlet port on the facepiece.
- 7. 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 seals.











3M St. Paul Minnesota, USA 1-800-243-4630



FR-C2A1 Cartridge

This stacked cartridge is approved in the following configurations only.

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		Corn	RATOR COMP		Optional Accessories								
			Cartridge		Facepiece		Outserts		Quick Doff Hood	Spectade Kit	Second Skin, Small	Second Skin, M.L.	
NIOSH Approval Number, TC-	Protection ¹	Model Number	FR-C2A1	FR-M40-10	FR-M40-20	FR-M40-30	FR-M40-1	FR-M40-2	FP-M40-3	FR-M40-4	FR-M40-5	FR-M40-6	Cautions and Limitations ²
84A-3281	HC/CL/SD/CN/CS/P100		×	×	×	×	×	×	20	×	×	×	ABCJLMNOPS

1. Protection

P100 particulate filter (99.97% filter efficiancy level) effective against all particulate aerosols. HC - Hydrogen chloride

CL - Chlorine SD - Sulfur dioxide

CN - Chloroacetophenone

CS - Chlorobenzylidene malonitrile

2. Cautions and Limitations

- A Not for use in atmospheres containing less than 19.5% oxygen.
- 3 Not for use in atmospheres immediately dangerous to life or health.
- C Do not exceed maximum use concentrations established by regulatory standards.
- J Failure to property use and maintain this product could result in injury or death.
- ... 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 accoundance with MSHA, OSHA and other applicable regulations.
- V Never substitute, modify, add or omit parts. Use only exact replacement parts in the configuration as specified by the manufacturer.
- 3 Refer to User's Instructions and/or maintenance manuals for information on use and maintenance of these respirators.
- ? NIOSH does not evaluate respirators for use as surgical masks.
- 3 Special or critical User's Instructions and/or specific use limitations apply. Perfer to User's Instructions before donning.

A/3-27-2000

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