



**3M 453-03-02**  
**Combination Cartridge/High Efficiency**  
**Filter, FR-57**  
*User Instructions*

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**SAVE THESE USER INSTRUCTIONS AND KEEP THEM WITH THE PRODUCT.**



## ⚠ WARNING

This cartridge helps protect against certain airborne contaminants. **Misuse may result in sickness or death.** For proper use, see supervisor, instructions, or call 3M in U.S.A.,

### **IMPORTANT:**

These cartridges are NIOSH approved for use only with 3M™ Breathe Easy™ 7 and 10 Systems. Before use the wearer must read and understand these *User Instructions* and the *User Instructions* enclosed with the appropriate system listed above. Keep this insert for future reference.

### **Use For:**

Respiratory protection from certain organic vapors, sulfur dioxide, chlorine, hydrogen chloride, ammonia/methylamine, hydrogen fluoride, chlorine dioxide, formaldehyde, phosphine, chloroacetophenone (CN), o-chlorobenzylidene malononitrile (CS) and particulates according to NIOSH approvals, OSHA limitations, in Canada CSA standard Z94.4-93 requirements, other applicable regulations and 3M instructions.

### **Do Not Use For:**

Oxygen deficient atmospheres, concentrations of contaminants that are immediately dangerous to life or health (IDLH), atmospheres that are unknown or when concentrations exceed specific OSHA standards or applicable government regulations, whichever is lower.

### **Use Instructions:**

1. Failure to follow all instructions and limitations on the use of these cartridges 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 these cartridges 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 Z94.4-93 requirements must be met.
3. The airborne contaminants, which can be dangerous to your health, include those that you may not be able to smell and 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 cartridges and respirator away from contaminated areas when not in use.
6. Dispose of used product in accordance with applicable regulations.

### **Use Limitations:**

1. These cartridges do not supply oxygen. Do not use in atmospheres containing less than 19.5% oxygen.
2. Do not alter, abuse or misuse these cartridges and/or respirator.


### **Time Use Limitations:**

1. If cartridges become damaged, soiled, or breathing becomes difficult, leave the contaminated area and replace the cartridges.
2. Replace cartridges in accordance with an established change schedule or earlier if smell, taste or irritation from contaminants is detected.


## Assembly Instructions:

Breathe Easy™ 7 and 10 Systems require the use of three cartridges.

1. Remove the packaging, plugs, and caps. Discard any cartridges that are damaged.
2. Ensure that a circular plastic insert seal is seated inside each air inlet on the 3M™ Turbo Unit PAPR Assembly.
3. Screw all three cartridges into the Turbo Unit PAPR Assembly.
4. Hand-tighten the cartridges completely so that an airtight seal is achieved. Do not over-tighten the cartridges as this can cause distortion or displacement of the air inlet seals.



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THE P100 CARTRIDGE IS APPROVED ONLY IN THE FOLLOWING CONFIGURATIONS:

RESPIRATOR CONFIGURATIONS													
TC	Product	Cartridge	Alternate Respirator	Breathing Tube A/E	Blower	Alternate Power Source	Charger	Alternate Self-Dep.	Exp. Vent.	Expiratory Valve	Accessories	Gaskets and Liners	
		P100	802-00-01 809-01-11 809-00-17 809-00-23	807-00-01 808-01-06 808-01-07 808-00-01	809-00-03 809-04-01 809-01-02	809-02-03 809-04-01 809-01-02	809-02-03 809-01-07 809-01-01	809-05-03 809-00-23 809-00-00 809-01-19	809-00-00 809-00-01	809-01-01 809-00-00			
800-0071	2095HC(C)CDVHMBAYNE	X	X X X	X	X	X X	X X X	X X X	X	X	X	X	ABCFLUMKP
800-0072	2095HC(C)CDVHMBAYNE	X	X	X X	X X	X X	X X X	X X X	X	X	X	X	ABCFLUMKP

**I. PROTECTION**

☑ High Efficiency Particulate Air Filter for Powered Air Purifying Respirators

AB - Acetone  
 CD - Chlorine Dioxide  
 CL - Chlorine  
 FM - Formaldehyde  
 HC - Hydrogen Chloride  
 HF - Hydrogen Fluoride  
 MA - Methylamine  
 Ch - Organic Vapor  
 SO - Sulfur Dioxide

**II. CAUTIONS and LIMITATIONS**

A - Not for use in atmospheres containing less than 19.5 percent oxygen.

B - Not for use in atmospheres immediately toxic to life or health.

C - Do not exceed maximum use concentrations established by regulatory standards.

F - Do not use respirator if filter is less than 1 cm (1/2 inch) for high flow, toxic gases or air (170 gpm) for hoods and/or helmets.

H - Do not wear for protection against organic vapors with poor warning properties or those which generate high heats of reaction with solvent.

I - Contains electrical parts which have not been evaluated as an ignition source in flammable or explosive atmospheres by NIOSH/MSHA.

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, cleaning and/or filters.

M - All approved respirators must be certified, listed (and used) 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 specified by the manufacturer.

O - Refer to OSHA's publications and/or manufacturer's manuals for information on use and maintenance of these respirators.

P - NIOSH does not evaluate respirators for use as surgical masks.

D-65301

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