3M™ Cartridge and Filter Replacement Program

3M Personal Safety Division

A Replacement Plan to Optimize Protection

PROTECT ▸ REPLACE ▸ RECORD

The 3M™ Cartridge and Filter Replacement Program helps protect workers and efficiently manages the replacement process by implementing a plan customized to your workplace, products and contaminants. The program assists you in determining how long a 3M™ Gas & Vapor Cartridge and/or 3M™ Particulate Filter may be used, and includes the procedures and templates needed to document your replacement program. A replacement schedule is a required component of any respiratory protection program, as outlined in OSHA 29 CFR 1910.134.

Program Benefits

Environmental Assessment: Every workplace faces different environmental conditions, and this program helps to guide your organization through the process of identifying the contaminants in your workplace.

Optimize Protection: This program helps to ensure your organization has procedures in place for the regular cartridge and filter replacements needed to optimize worker protection.

Enhanced Inventory and Safety Management: This program helps you to establish the replacement process, manage inventory and provide record keeping to help with regulatory compliance.

Getting Started

3M™ Cartridge and Filter Replacement Program

A 5-step process designed to help develop and implement a replacement plan for your workplace.

1: Current Program Analysis

The first step is to be sure you have an OSHA compliant respirator program and then review the process for how the cartridges and filters are being replaced in your workplace. This process should follow the change out principles outlined in OSHA 29 CFR 1910.134.

2: Contaminant Identification

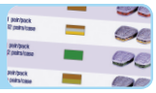
Next, review the contaminants in your workplace using one of these three methods:

Analysis of Existing Data: Review existing air monitoring data to understand contaminants in your workplace. If contaminants are not known, consult material safety data sheets (MSDS) for potential airborne hazards.

Workplace Environmental Analysis: Once potential contaminants are identified, 3M Diffusion Monitors can be used for certain contaminants to determine the average concentration level in the air.

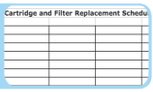
Consultant Evaluation: Companies that specialize in contaminant evaluation can be found at www.aiha.org by selecting "Consultants Listing".

3: Respirator/Filter Selection



Based on the contaminants and concentrations documented in step two, the 3M™ Respirator Selection Software and Respirator Selection Guide will help determine which respirator is recommended for a given exposure situation. It includes data on 800+ chemicals, including gases, vapors and particulates. Visit http://www.3M.com/RespGuide to utilize this software or to view a PDF of the Respirator Selection Guide.

4: Cartridge and Filter Replacement Plan



The cartridge and filter replacement plan implements a process that helps employees replace their cartridges and filters at the appropriate time. To help establish how frequently cartridges should be replaced, visit http://csrv.3M.com/csrv to access 3M™ Service Life Software. To establish filter replacement frequency, visit www.3M.com/filterchange. Contact your 3M sales representative if you have questions on the timing of cartridge or filter replacements.

5: Program

Ongoing record keeping is important for ensuring long-term compliance to the replacement schedule. It also assists in purchasing and inventory management. 3M templates can help collect and maintain all the necessary information.

A comprehensive process to optimize protection and enhance safety management.

To Get Started, Contact Your 3M Representative:

Technical Service: 1-800-243-4630
Customer Service: 1-800-328-1667
Web: 3M.com/PPESafety

3M

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