



Challenges of Personal Protective Equipment During COVID-19

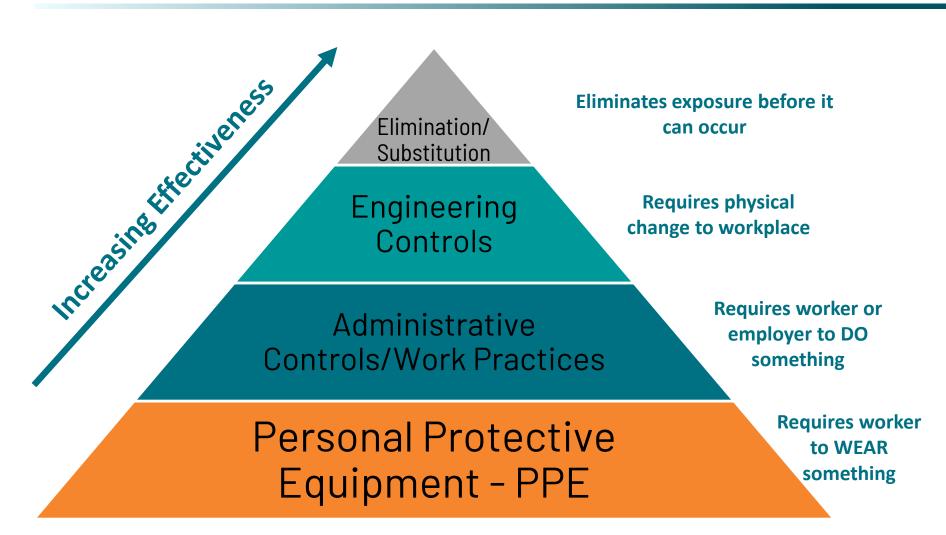
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Agenda

- OSHA Hierarchy of Controls
- Types of Personal Protective Equipment –
 PPE
- Respiratory Protection Loose-fitting vs.
 Tight-fitting Facepieces
- Respiratory Protection Plans
- Identifying Genuine Products
- Identifying Counterfeit Products
- Questions?

OSHA Hierarchy of Controls



Types of Personal Protective Equipment - PPE







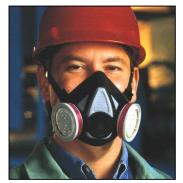














Loose-fitting Facepieces

"Loose-fitting facepieces means a respiratory inlet covering that is designed to form a partial seal with the face."











Tight-Fitting Facepieces

"Tight-fitting facepiece means a respiratory inlet covering that forms a complete seal with the face."

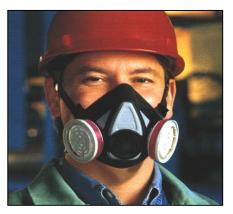












Tight-fitting Facepieces – Issues Caused by Wear

- Headache
- Shortness of Breath
- Hyperventilation
- Unconsciousness
- Asphyxiation
- Death



Tight-fitting Facepieces – Health Conditions to Consider

- Asthma
- Emphysema
- Congestive Heart Failure
- Chronic Obstructive Pulmonary Disease (COPD)

Elements of a Respiratory Protection Plan

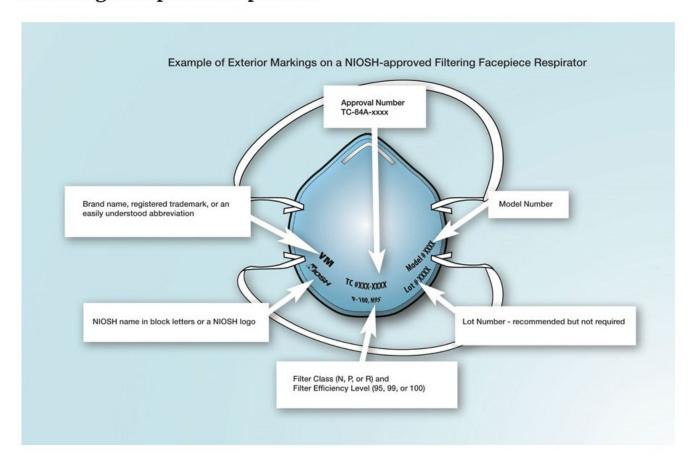
1. Selecting Equipment

More information in Handouts

- 2. Medical Evaluations
- 3. Fit Testing
- 4. Proper Use
- 5. Cleaning, Disinfecting, Storing, Inspecting, Repairing, Discarding and Other Maintenance
- 6. Adequate air quality, quantity and flow for Atmosphere-supplying respirators
- 7. Training
- 8. Program Evaluation

Identifying Genuine Products - Correct Exterior Markings

Example of the Correct Exterior Markings on a NIOSH-Approved Filtering Facepiece Respirator



Identifying Genuine Products

Centers for Disease Control and Prevention (CDC) NIOSH - Approved Particulate Filtering Facepiece Respirators

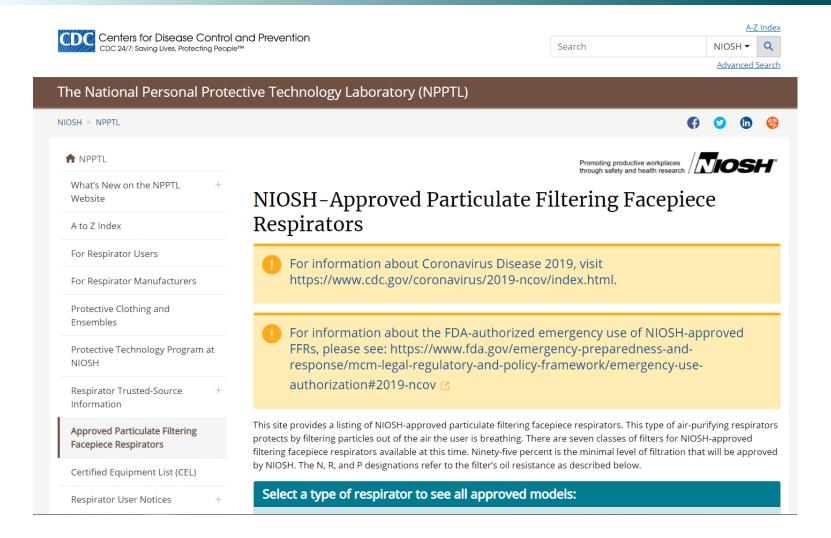
https://www.cdc.gov/niosh/npptl/topics/respirators/d
isp_part/default.html

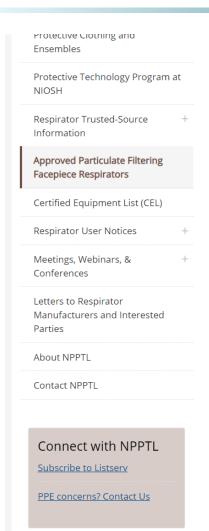


Manufacturer/Supplier: 3M

Model Number: 8210

Approval Number: TC - 84A-0007





Pror information about the FDA-authorized emergency use of NIOSH-approved FFRs, please see: https://www.fda.gov/emergency-preparedness-and-response/mcm-legal-regulatory-and-policy-framework/emergency-use-authorization#2019-ncov ✓

This site provides a listing of NIOSH-approved particulate filtering facepiece respirators. This type of air-purifying respirators protects by filtering particles out of the air the user is breathing. There are seven classes of filters for NIOSH-approved filtering facepiece respirators available at this time. Ninety-five percent is the minimal level of filtration that will be approved by NIOSH. The N, R, and P designations refer to the filter's oil resistance as described below.

Select a type of respirator to see all approved models:

N95 – Filters at least 95% of airborne particles. Not resistant to oil.

(N95 Manufacturers Index: 3M A B C D E F G H I J K L M N Q P Q R S T U V W X Y Z)

Surgical N95 – A NIOSH-approved N95 respirator that has also been cleared by the Food and Drug Administration (FDA) as a surgical mask.

N99 - Filters at least 99% of airborne particles. Not resistant to oil.

N100 - Filters at least 99.97% of airborne particles. Not resistant to oil.

R95 - Filters at least 95% of airborne particles. Somewhat resistant to oil.

P95 - Filters at least 95% of airborne particles. Strongly resistant to oil.

P99 - Filters at least 99% of airborne particles. Strongly resistant to oil.

P100 - Filters at least 99.97% of airborne particles. Strongly resistant to oil.

The NIOSH-approved products are listed by brand. Links to the manufacturers' websites are provided as a courtesy to users and NIOSH is not responsible for the content of those pages. Also included is the manufacturer's phone number, product model number, approval number (84A-XXXX), an indication if the product has an exhalation valve, and the user donning instructions. The manufacturer's donning procedure and/or user instructions are also provided here as a courtesy to the user.



Disclaimer: The links in this section go to websites outside of CDC/NIOSH and should not be considered as an endorsement of their content, or as a statement of NIOSH policy. The donning procedure and/or user instruction, either on the websites or the PDF version, should not be considered an official endorsement of their content, or as a statement of NIOSH policy.

Index: 3M ABCDEFGHIJKLMNOPQRSTUVWXYZ Notes

Supplier/Manufacturer and Contact Information	Model Number/Product Line	Approval Number	Valve Yes/No	Manufacturer's Donning Procedure User Instructions
3M Company C 888-3M HELPS or web form C (Distribution Availability C)	1860 (FDA) 1860S (FDA)	84A-0006	No	1860, 1860S [PDF – 72 KB] ☑
3M Company C 888-3M HELPS or web form C (Distribution availability for all products listed for 3M 다)	8110S 8210 8210 Plus 8216 8217 7048	84A-0007	No	8210 [PDF - 103 KB] [] 8110S, 8210, 7048 [PDF - 187 KB] []
3M Company ご 888-3M HELPS or <u>web form</u> ご	N95	84A-0008	No	Not available
3M Company ご 888-3M HELPS or web form ご	8212 8214 8512 8514	84A-0454	Yes	8212, 8512 [PDF – 125 KB] [2] 8214, 8514 [PDF 156 KB] [2]
3M Company. ☑ 888-3M HELPS or web form ☑	8211 8511 8515 8516	84A-1299	Yes	8211, 8511 [PDF – 59 KB] [2] 8515 [PDF – 156 KB] [2] 8516 [PDF – 81 KB] [2]

Disclaimer: The links in this section go to websites outside of CDC/NIOSH and should not be considered as an endorsement of their content, or as a statement of NIOSH policy. The donning procedure and/or user instruction, either on the websites or the PDF version, should not be considered an official endorsement of their content, or as a statement of NIOSH policy. Index: 3M ABCDEFGHIJKLMNOPQRSTUVWXYZ Notes onning Procedure User Supplier/Manufacturer and Cont. Exit Notification/Disclaimer Policy 3M Company [] - 72 KB] [⁴ Links with this icon indicate that you are leaving the CDC website. 888-3M HELPS or web form [2] (<u>Distribution Availability</u> (<u>T</u>)) • The Centers for Disease Control and Prevention (CDC) cannot attest to the accuracy of a non-federal website. KB] 3M Company [] · Linking to a non-federal website does not constitute an endorsement by CDC or any of its 888-3M HELPS or web form [2] 8 [PDF - 187 KB] 🖸 employees of the sponsors or the information and products presented on the website. (Distribution availability for all pro • You will be subject to the destination website's privacy policy when you follow the link. 区) • CDC is not responsible for Section 508 compliance (accessibility) on other federal or private website. For more information on CDC's web notification policies, see Website Disclaimers. 3M Company [] 888-3M HELPS or web form [2] Continue Cancel 3M Company [4] 125 KB] 🖸 888-3M HELPS or web form [4] 8214 8214, 8514 [PDF 156 KB] [] 8512 8514

3044 page 1 of 2

Particulate Respirators 8210 and 8110S, N95

The 3M™ Particulate Respirator 8210, N95 is designed to help provide quality, reliable worker protection against certain non-oil based particles. The 3M™ Particulate Respirator 8110S, N95 offers the same protection for those workers with smaller faces. The 8210 and the 8110S offer a number of benefits to you and your workers.

NIOSH approved N95

 At least 95% filtration efficiency against solid and liquid aerosols that do not contain oil.* TC-84A-0007

Advanced Electret Media

 Advanced electrostatically charged microfibers make breathing easier and cooler.

Helps provide worker protection

 Because they are comfortable to wear and easy to use, workers are quick to accept and use maintenancefree respirators, like the 8210 and 8110S. Studies have shown they can provide protection equivalent to a rubber facepiece respirator...at much lower cost and greater convenience.

Lightweight construction

- · Promotes greater worker comfort.
- · Contributes to increased wear time.

Adjustable noseclip

- Helps provide a custom fit and secure seal.
- Reduces the potential for eyewear fogging.



3M™ Particulate Respirator 8210, N95 (Inset photo: 3M™ Particulate Respirator 8110S, N95)

Suggested Applications



- GrindingSanding
- Sweeping
- Bagging
 Other dusty operations
- Woodworking
- Foundries



Issue Date 01/01/04

A WARNING

These respirators help reduce exposure to certain particles. Misuse may result in sickness or death. Before use, the wearer must read and understand User instructions provided as a part of product packaging. Time use limitations may apply. For proper use, see package instructions, supervisor or call 3M OH&ESD Technical Service in U.S.A., 1-3800-2434-450, in Canada, call 1-800-267-4414.

Respirators Per Box 8210 & 8110S	Respirators Per Case				
20	160				

Use For:

- Solids such as those from processing minerals, coal, iron ore, flour, and certain other substances.
- Liquid or non-oil based particles from sprays that do not also emit harmful vapors.

Do Not Use For:

Gases and vapors, including those present in paint spray operations, asbestos, arsenic, cadmium, lead, 4,4'-methylenedianiline (MDA) or sandblasting. Aerosol concentrations that exceed 10 times the OSHA PEL, or applicable exposure limits, whichever is lower. This respirator does not supply oxygen.

Important

Before using these respirators, you must determine the following:

- The type of contaminant(s) for which the respirator is being selected.
- The concentration level of contaminant(s).
- 3. Whether the respirator can be properly fitted on the wearer's face. Do not use with beards, on other facial hair, or other conditions that prevent a good seal between the face and the faceseal of the respirator.
- 4. Before use of these respirators, a written respiratory protection program must be implemented, meeting all the requirements of OSHA 29 CFR 1910.134, including training, medical evaluation and fit testing.

Time Use Limitation

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area immediately and dispose of the respirator.

Technologies



Advanced Electret Media
Advanced electrostatically charged
microfibers make breathing easier
and cooler.

Additional Information

This respirator contains no components made from natural rubber latex.

For more information, please contact:

3M Occupational Health and Environmental Safety Division (OH&ESD)

In the U.S., contact:

Sales Assistance 1-800-896-4223 Technical Assistance 1-800-243-4630 Fax On Demand 1-800-646-1655

Internet http://www.3M.com/occsafety For other 3M products 1-800-3M HELPS

In Canada, contact: 3M Canada Company, OH&ESD

P.O. Box 5757 London, Ontario N6A 4T1 Sales Assistance 1-800-265-1840, ext. 6137 Technical Assistance (Canada only) 1-800-267-4414 Fax On Demand

1-800-646-1655 Internet

http://www.3M.com/CA/occsafety

Technical Assistance In Mexico

01-800-712-0646 5270-2255, 5270-2119 (Mexico City only) Technical Assistance In Brazil 0800-132333

Fax On Demand O.U.S. Locations 1-651-732-6530

3M Occupational Health and Environmental Safety Division 3M Center, Building 235-2W-70 St. Paul, MN 55144-1000

- No Markings at all on the Filtering Facepiece Respirator (FFR)
- No Approval (TC) Number on the FFR or Headband
- No NIOSH Markings
- NIOSH Spelled Incorrectly (or incorrect format)
- Presence of Decorative Fabric or Other Decorative Add-Ons (i.e. Sequins)
- Claims for the Approval for Children (NIOSH does not approve any type of respiratory protection for children)
- Filtering Facepiece Respirator has Ear Loops instead of Headbands

 No Markings at all on the Filtering Facepiece Respirator (FFR)







No Approved (TC) Number on the FFR or Headband





No NIOSH Markings





This is an **example of misrepresentation of the NIOSH-approval**. All approvals for Wein Products (WPI)
were rescinded in 2011. However, the manufacturer's
website continues to state the ViraMask N99ESC is
certified by NIOSH. <u>View the user notice announcing</u>
the rescission.

NIOSH Spelled Incorrectly (or incorrect format)



This is an **example of a counterfeit N95 Respirator** that was brought to NIOSH's attention. While the TC number and private label holder are valid, this unapproved unit can be identified by the misspelling of NIOSH on the front of the respirator.



This is an example of a misrepresentation of the NIOSH-approval. Yark is not a NIOSH approval holder or a private label holder. Additionally, respirators from the box include the CE (European) approval mark and NIOSH N95. This is not an acceptable format for a NIOSH-approved respirator. (3/5/2020)

 Presence of Decorative Fabric or Other Decorative Add-Ons (i.e. Sequins)





This is an example of misrepresentation of the NIOSH-approval. Vogmask® is not a NIOSH approval holder. This wording is misleading and not accurate: With premium technologies and designs for best particle filtering results, our NIOSH certified Vogmask® is a reusable superior everyday face mask that protects one from dust, fine particulate matters (PM), pollen, air pollution, such as smog and smoke ... from https://www.vogmask.ca/ [1] (10/07/19)

Photos-from CDC

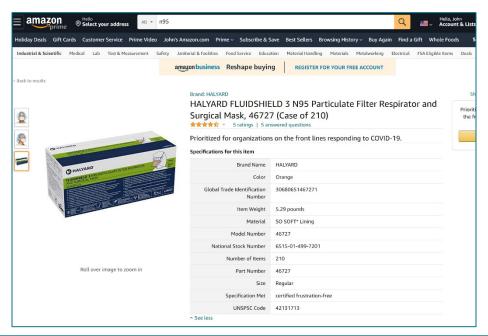
 Claims for the Approval for Children (NIOSH does not approve any type of respiratory protection for children)



Filtering Facepiece Respirator has Ear Loops instead of Headbands

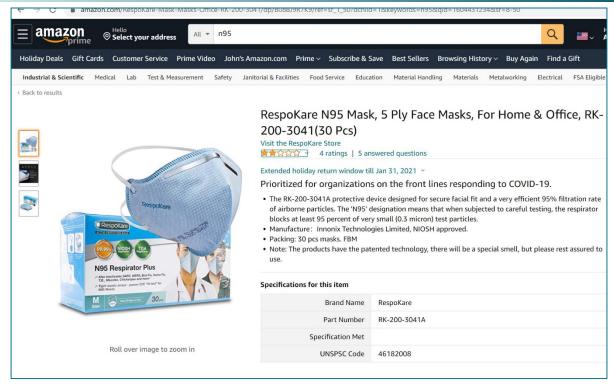


Examples of Counterfeits Currently on Sale - Amazon



<u>Hakugen Company, Ltd.</u> [<u>*</u> 1] 886-2-2683-0356	SGPR-N95	84A-4635	No	<u>SGPR-N95</u>
Harbor Freight Tools [94785A 61438	84A-5411	No	All Models ► [PDF – 538 KB] 🖸
Healthscope Operations [99SA070M	84A-3348	No	All Models ▶ [PDF – 182 KB] [4

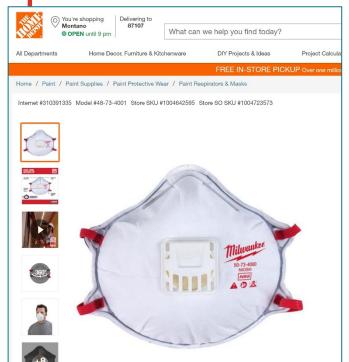
Examples of Counterfeits Currently on Sale - Amazon



Representaciones Internacionales J Y R, S. A. de C.V. [7] [*AE] +86 512 65586078 / 65586018	REX-340	84A-7865	Yes	REX-340 ▶ [PDF – 339 KB] 🖸
Rescue Plus, Inc. [♣ [*D] 81-547-45-4125	Rescue Plus 95S Rescue Plus 95M	84A-3348	No	All Models ▶ [PDF – 61 KB] ☐
Reutter [AAMASN95	84A-5530	No	AAMASN95 🔼 [PDF – 126 KB] [간

Examples of Counterfeits Currently on Sale - Home

Depot

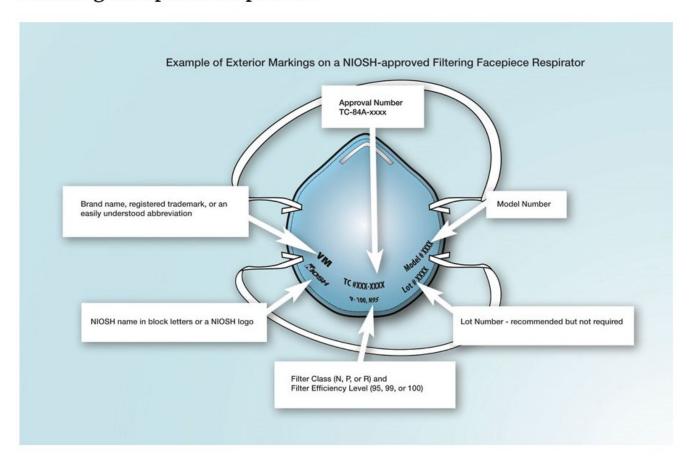


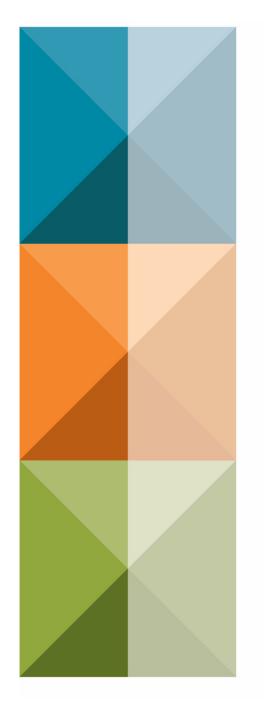


NillyS2 Import Product 1 1 1 1 1 1 1 1 1	TBC 1408-N95	84A-5411	INO	<u>1BC 1408-N95</u> ► [PDF – 538 KB] [2]
Milwaukee Electric Tool	50-73-4000	84A-8142	Yes	<u>50-73-4000</u> [PDF – 204 KB]
Milwaukee Electric Tool ☐ [*AF] 91-022-2769-2646	50-73-4010	84A-8143	Yes	<u>50-73-4010</u>

Identifying Genuine Products – Correct Exterior Markings

Example of the Correct Exterior Markings on a NIOSH-Approved Filtering Facepiece Respirator











Questions?



Challenges of Personal Protective Equipment during COVID-19

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Disclaimer

Disclaimer: This briefing has been prepared by Poms & Associates Insurance Brokers, LLC to provide information on recent developments of interest to our clients. It is not intended to offer legal or regulatory advice for a particular situation. Events are rapidly developing during this national state of emergency, and best practices are constantly changing. We recommend that individuals and entities carefully monitor and follow health directives of the WHO and CDC, along with federal, state and local authorities.

Please visit our website at www.pomsassoc.com or call us at 818-449-9300