

# 6000 Series Half Facepiece Reusable Respirator for Healthcare Facilities

April 2020

# Opening Points

- This presentation is based on current United States federal requirements as of April 2020. US, state or other country requirements may be different. Always consult *User Instructions* and follow local laws and regulations.
- This presentation contains an overview of general information and should not be relied upon to make specific decisions. Completing this program does not certify proficiency in safety and health.
- Information is current as of April 2020, and requirements can change in the future.
- This presentation should not be relied upon in isolation, as the content is often accompanied by additional and/or clarifying information or discussion.
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# Agenda

- Purpose
- Parts overview
- Pre-use guidance
- Inspection
- Assembly
- Donning & seal check
- Doffing
- Interim (wipe) disinfection
- Submersion disinfection
- Storage

# Reusable Respirators

- Worn to help reduce the wearer's exposure to breathing airborne hazards, including bioaerosols
- Similar to a disposable respirator, but the facepiece is made of a rubber-like material that allows them to be repeatedly cleaned, disinfected and reused
- The reusable facepiece is combined with filters or cartridges that are meant to be disposed of more frequently



Reusable Respirator



# Respirator Facepiece and 7093 Filter

## Reusable Respirator Facepiece



6100, size small



6200, size medium



6300, size large

## 7093 Filter



2 filters per facepiece

# Respirator Facepiece and 5N11 Filter Assembly

## Reusable Respirator Facepiece



6100, size small



6200, size medium



6300, size large

## Filter Assembly



603, filter adapter



5N11, filter pad



501, filter retainer

2 filter assemblies per facepiece

# Pre-use Reminders

- Read and follow all product user instructions prior to use
- Fit testing must be performed before each new respirator model is used, and at least annually
- These are not surgical masks and will not maintain the sterile field. Do not wear a surgical mask in combination with this respirator, as it may affect respirator function
- It is common to assign a facepiece to an individual for use as their own personal facepiece for the duration of the product life
- If facepieces will be shared:
  - Each facepiece should be assigned to a worker for their entire shift
  - Full submersion cleaning and disinfection of facepiece (filters removed) must always occur between workers, per OSHA



# Pre-use Inspection

These photos are for demonstration purposes only

Perform hand hygiene and use other applicable PPE as determined by your facility and/or infection control policy



# Inspection: Hardcase filter (7093)

Inspect each filter case for any visible damage. Replace filter(s) if any damaged is observed.



Front of hardcase filter

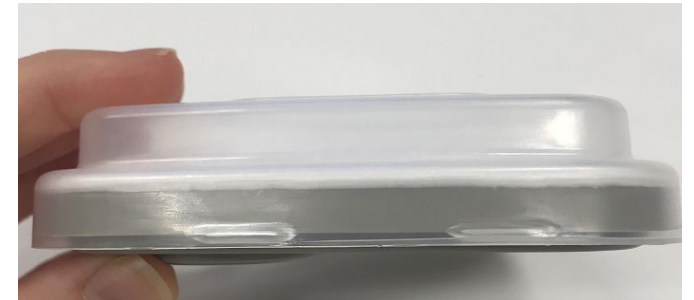


Back of hardcase filter

DO NOT WEAR if parts are damaged, defective or missing.

# Inspection: Filter Assembly (603, N511, 501)

- Ensure filter is assembled correctly and the filter media appears clean and undamaged.
- If 5N11 filter is dirty or damaged, replace with a new filter.
- If 603 adapter or 501 retainer is damaged, replace with new filter or adapter.



DO NOT WEAR if parts are damaged, defective or missing.

# Inspection: Facepiece

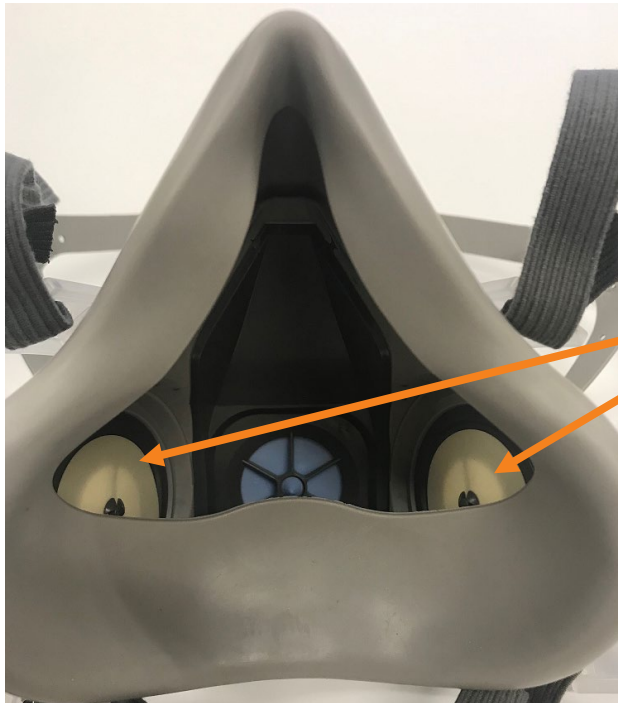
Inspect the facepiece for cracks, tears, dirt and distortion. If damage is observed, replace facepiece.



DO NOT WEAR if parts are damaged, defective or missing.

# Inspection: Facepiece Inhalation Valves

Examine inhalation valves for signs of distortion, cracking and tearing. Replace with new inhalation valves if signs of damage are observed.



Inhalation  
valves in  
facepiece  
interior



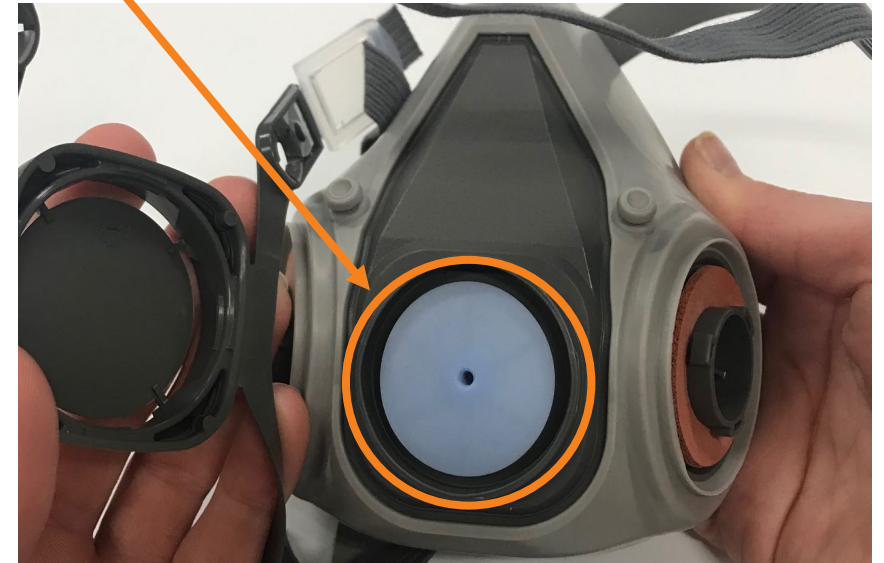
DO NOT WEAR if parts are damaged, defective or missing.



# Inspection: Facepiece Exhalation Valve

Examine exhalation valve for signs of distortion, cracking and tearing. Replace exhalation valve if signs of damage are observed.

Remove exhalation valve cover to access the exhalation valve

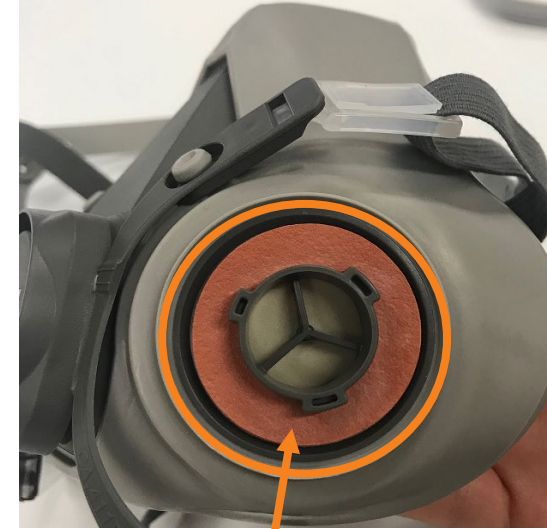


DO NOT WEAR if parts are damaged, defective or missing.

# Inspection: Facepiece Head Straps & Filter Gaskets



Ensure head straps are intact and have good elasticity. Replace head harness if signs of damage are observed.



Ensure orange filter gaskets are properly seated and in good condition. Replace gasket(s) if signs of damage are observed.

**DO NOT WEAR** if parts are damaged, defective or missing.



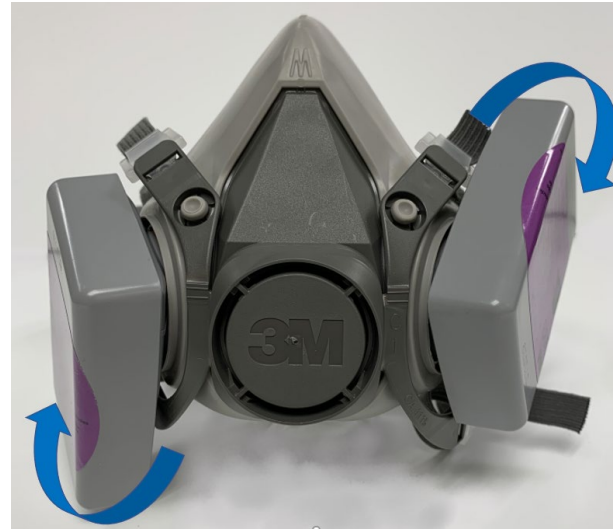
# **Respirator Assembly**



# 7093 Filter: Connect to Facepiece



1. Align mark on back side of 7093 filter with facepiece mark in order to properly align filters.



2. Rotate filter  $\frac{1}{4}$  turn clockwise until it is firmly seated. Repeat steps 1-2 for second filter.



Facepiece with 7093 filters properly attached. Note: Rotate filters counterclockwise to remove.

# 5N11 Filter Assembly



Filter retainer



Filter pad



Filter adapter



Filter assembly

# 5N11 Filter Assembly: Assemble Adapter, Filter and Retainer



1. Place the filter pad (5N11) in the filter retainer (501) with filter print facing up.

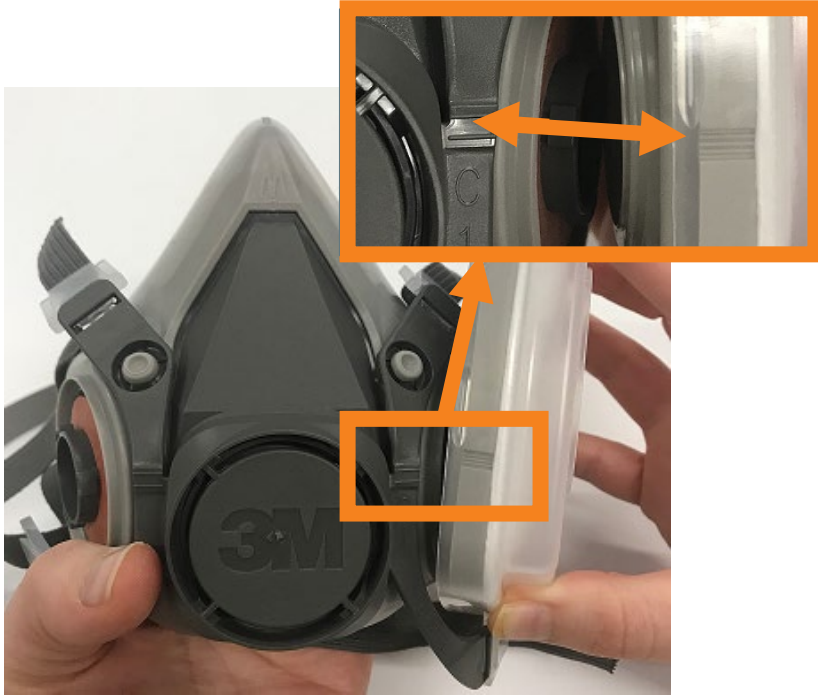


2. Snap the filter adapter (603) into the filter retainer (501)



3. Ensure the filter seal is free from creases and gaps and print is oriented correctly

# 5N11 Filter Assembly: Connect Filter Assembly to Facepiece



1. Align notch on edge of 603 adapter with facepiece mark in order to properly align filters.



2. Rotate filter assembly  $\frac{1}{4}$  turn clockwise until it is firmly seated. Repeat steps 1-2 for second filter assembly.



3. Facepiece with properly attached filters shown.  
Note: Rotate filters counterclockwise to remove.

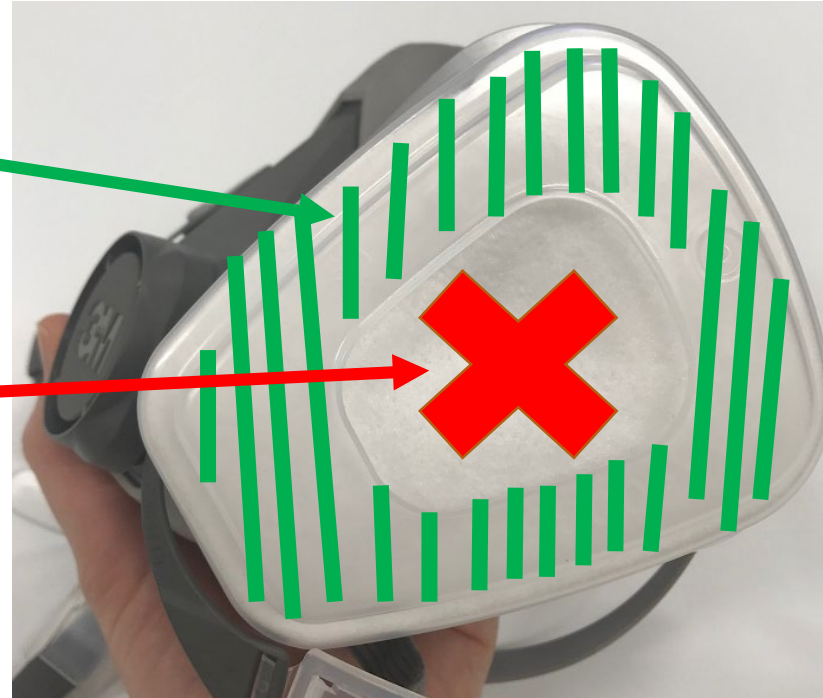


# 5N11 Filter Assembly

If attaching a used filter, hold filter assembly by outer plastic retainer when attaching to facepiece

Avoid touching used filter material to help prevent cross-contamination

Wear applicable PPE or perform hand hygiene as as determined by your facility and/or infection control policy



# **Respirator Donning**

# Respirator Donning

These photos are for demonstration purposes only

Perform hand hygiene and use other applicable PPE as determined by your facility and/or infection control policy

Contact infection prevention at your facility with any questions regarding when PPE, such as gloves, should be worn



# Respirator Donning: General Instructions

- Donning Instructions must be followed each time the respirator is worn.
- Do not use with beards or other facial hair or other conditions that prevent a good seal between the face and the facesal of the respirator.
- To help maintain a good seal between the face and facesal, all hair, hoods, or other equipment must be kept out of respirator facesal area at all times.

# Respirator Donning



1. Place the respirator over your mouth and nose.



2. Pull the head harness over crown of your head. Position facepiece low on the bridge of your nose for optimal visibility and best fit.



3. Connect the bottom straps at the back of the neck.

# Respirator Donning – Adjusting Fit



1. Adjust top straps by pulling on ends of straps.



2. Adjust bottom straps by pulling on ends of straps.

Note: Decrease strap tension by pushing out on back side of buckles.

The respirator should be comfortable and snug, but do not overtighten.

Overtightening does not create a better fit, it just makes the respirator more uncomfortable.

# User Seal Check

Perform a positive pressure user seal check  
before each use



# User seal check



1. Place palm over exhalation valve cover and exhale gently.
2. If facepiece bulges slightly and no air leak is detected between facepiece and face, a proper seal has been obtained.

# User Seal Check

If faceseal leakage is detected, reposition respirator on your face and/or readjust tension of the elastic strap to eliminate leakage until tight seal is maintained.

If you cannot achieve a proper fit, do not enter the contaminated area. See your supervisor.

# **Respirator Doffing**



# Respirator Doffing

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Perform hand hygiene and use other applicable PPE as determined by your facility and/or infection control policy

Contact infection prevention at your facility with any questions regarding when PPE, such as gloves, should be worn

# Respirator Doffing



1. Unhook straps from around base of neck



2. Grasp the front of the facepiece with one hand, and with other hand pull head harness and remove it from over head



# Respirator Disinfection

Wipe Down of Assembled Respirator  
AND  
Submersion of Respirator Facepiece

# Respirator Disinfection

These photos are for demonstration purposes only

Perform hand hygiene and use other applicable PPE as determined by your facility and/or infection control policy

Contact infection prevention at your facility with any questions regarding when PPE, such as gloves, should be worn

# Interim Respirator Disinfection: Wipe Down

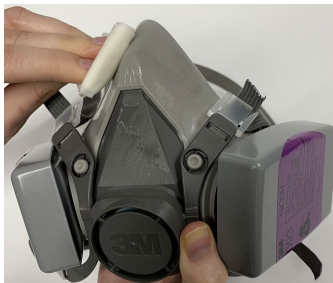
Wipe down of the assembled respirator can be considered between uses during the work shift

Wipe each component (avoid getting filter media wet)-

- Facepiece, including interior and exterior
- Head harness
- Hardcase filter (7093) or rigid plastic components of 5N11 filter assembly (leave attached to the facepiece)



Interior



Exterior



Head harness



7093



5N11 Filter Assembly

# Respirator Wipe down Disinfection Steps

## 1. Clean

- If gross contamination or facial oil is present, perform a cleaning wipe step before disinfection
- Use neutral detergent or soap and water

## 2. Disinfect

- Follow the disinfectant user instructions and/or EPA label for the selected disinfectant
- Bleach or quaternary ammonia solution can be considered

## 3. Rinse and Dry

- Water wipe down to remove residual disinfectant
- Air dry or hand dry before next use
- Store away from contaminated area when not in use



# Respirator Disinfection: Facepiece Submersion

More complete cleaning and disinfection of the facepiece should occur frequently – at the end of each shift or as specified by an organization's infection prevention protocols.

OSHA requires this between each wearer.

Wear applicable PPE or perform hand hygiene as determined by your infection control policy.

Contact infection prevention at your facility with any questions regarding when PPE, such as gloves, should be worn.



# Respirator Disinfection: Facepiece Submersion Steps

1. Remove the 7093 or 5N11 filter assembly from either side of the facepiece.
2. If reusing the filter, wipe down the rigid plastic components and set aside for re-use. Avoid getting the filter media wet.



7093 hardcase filter



5N11 Filter Assembly



If reusing the 5N11 filter, do not disassemble the 3 components that make up the 5N11 filter assembly.

3. If disposing of the 7093 filter, dispose according to local regulations.
4. If disposing of the 5N11 filter, separate it from the rigid plastic components (501 retainer, 603 adapter). Dispose of the 5N11 filter according to local regulations. Keep the 501 and 603 for reuse.
5. Move on to facepiece submersion steps.

# Respirator Disinfection: Facepiece Submersion

Can be submerged



Facepieces



Retainer (501)



Adapter  
(603)

Do not submerge!



Filter pad,  
5N11



Hardcase filter,  
7093



5N11 filter assembly

Filter media will be damaged by submersion.  
If filter gets wet, it must be replaced.

# Respirator Disinfection: Submersion

## Wash/Clean

- Warm Water
- Soap or other Neutral detergent
- Do not use cleaners with lanolins or other oils

## Disinfect

- Use an EPA-registered disinfectant
- Bleach or quaternary ammonia solution can be considered

## Rinse and dry

- Clean, fresh water
- Air or hand dry before next use



# Filter Replacement

- The 7093 filter should be replaced when damaged or difficult to breathe through, or when indicated by your facility's infection control policy.
- The 5N11 filter should be replaced when dirty, damaged or difficult to breathe through or when indicated by your facility's infection control policy.
  - The rigid plastic retainer and adapter used with the 5N11 should be replaced when damaged.



# Storage

The respirator should be stored away from contaminated area when not in use  
You can consider storing the respirator with the filters attached or with the filters in a separate storage container.



If not being used immediately, respirators should be stored in their own separate, breathable containers to prevent facepiece deformation.

Storage containers should be disposed of or cleaned regularly.








If storing used 5N11 filters, ensure the storage container does not touch used filter media.









# Questions?

# Replacement Parts

Part Number	Description	Image
6100	3M™ Half Facepiece Reusable Respirator, size small	
6200	3M™ Half Facepiece Reusable Respirator, size medium	
6300	3M™ Half Facepiece Reusable Respirator, size large	
6893	3M™ Inhalation Valve	
6889	3M™ Exhalation Valve	

# Replacement Parts

Part Number	Description	Image
6895	3M™ Inhalation gasket	
6281	3M™ Head Harness Assembly	
7093	3M™ Particulate Filter	
5N11	3M™ Particulate Filter	
603	3M™ Filter Adapter	
501	3M™ Filter Retainer 501	

# References

## Videos

- [3M™ 6000 Series Half Facepiece Respirator with 5N11 Combination](#)
- [3M™ 6000 Series Half Facepiece Respirator with 7093 Filter](#)
- [Interim Disinfection 3M™ 6000 Series Half Facepiece Respirator](#)
- [Submersion Disinfection 3M™ 6000 Series Half Facepiece Respirator](#)

## User Instructions

- [User Instructions for 3M™ Half Facepiece 6000 Series](#)
- [User Instructions for 3M™ Particulate Filter 7093, P100](#)
- [User Instructions for 3M™ Particulate Filter 5N11, N95](#)