



Half Facepiece Respirator 6000 Series

User Instructions for 3M™ Half Facepiece 6100 (Small), 07024 (Small), 6200 (Medium), 07025 (Medium), 6300 (Large), 07026 (Large)*

Important: Keep these *User Instructions* for reference.

* 07024, 07025, 07026 are catalog numbers only. NIOSH approved 3M™ Half Facepiece 6100 (Small), 6200 (Medium), and 6300 (Large).

This respirator has dual approval as a United States (US) National Institute for Occupational Safety and Health (NIOSH) half facepiece respirator and as Brazil Ministry of Labor half mask respirator.

Specific information is provided where applicable. All other information is common to both standards.

GENERAL SAFETY INFORMATION

Intended Use

The 3M™ Half Facepiece Respirator 6000 Series are NIOSH approved and designed to help provide respiratory protection against certain airborne contaminants when used in accordance with all use instructions and limitations and applicable safety and health regulations. This product contains no components made from natural rubber latex.



⚠ WARNING

This respirator helps protect against certain airborne contaminants. **Misuse may result in sickness or death.**

These *User Instructions* provide information about facepiece use only. Important information is provided in the *User Instructions* with each of the air filtration/supplied air systems that are NIOSH certified to be used with the 3M™ Half Facepiece Respirator 6000 Series. Failure to follow *User Instructions* for the air filtration/supplied air systems being used **may result in sickness or death.**

When in supplied air mode, your employer must provide breathing air that meets at least the requirements of the specification for Grade D breathing air, as described in the Compressed Gas Association Commodity Specification G-7.1-1997 in the United States. In Canada, breathing air systems must be supplied with air, which meets at least the requirements of CSA Standard Z180.1. Failure to do so **may result in sickness or death.**

In Brazil, breathing air systems must be supplied with air which meets ANSI Z86.1-1989/CGA G-7.1, Grade D breathing air.

USE INSTRUCTIONS & LIMITATIONS

Important

Before use, the wearer must read and understand these *User Instructions*. Keep these *User Instructions* for reference.

Use For

Respiratory protection from certain airborne contaminants according to United States NIOSH approvals, OSHA limitations, in Canada CSA standard Z94.4 requirements, applicable local government regulations and 3M instructions. In Brazil, follow the Respiratory Protection Program of the Ministry of Labor.

Do Not Use For

Do not use for concentrations of contaminants which are immediately dangerous to life or health (IDLH), are unknown or when concentration exceeds 10 times the permissible exposure limit (PEL) in air purifying mode, 50 times PEL in supplied air mode or according to specific OSHA standards or applicable government regulations, whichever is lower.

In Brazil, according to the Respiratory Protection Program of the Ministry of Labor, do not use when concentrations of contaminants are greater than 10 times the permissible exposure limit in air-purifying mode.

Use Instructions

1. Failure to follow all instructions and limitations on the use of this respirator and/or failure to wear this respirator during all times of exposure can reduce respirator effectiveness and **may result in sickness or death.**
2. Before occupational use of this respirator a written respiratory protection program must be implemented meeting all the local government requirements. In the United States, employers must comply with OSHA 29 CFR 1910.134 which includes training, medical evaluation, and fit testing and applicable OSHA substance specific standards. In Canada, follow the recommendations of CSA Z94.4 and/or requirements of the applicable jurisdiction, as appropriate. In Brazil, follow the Respiratory Protection Program of the Ministry of Labor requirements. When used in supplied air mode, your employer must supply breathing air that meets at least the requirements of Grade D breathing air in Compressed Gas Association Commodity Specifications G-7.1-1997. In Canada, breathing air systems must be supplied with air which meets at least the requirements of CSA Standard Z180.1.
3. The airborne contaminants which can be dangerous to your health include those that are so small you may not be able to see or smell them.
4. If respirator becomes damaged; if you smell or taste contaminants; or if dizziness, irritation, or other distress occurs; leave contaminated area immediately and repair or replace respirator, or contact supervisor.
5. Store respirator away from contaminated areas when not in use.
6. Dispose of used product in accordance with applicable regulations.

In Brazil, breathing air systems must be supplied with air which meets ANSI Z86.1-1989/CGA G-7.1, Grade D breathing air.

Use Limitations

1. This respirator does not supply oxygen when used in air-purifying mode. Do not use in atmospheres containing less than 19.5% oxygen.
2. Do not use when concentrations of contaminants are immediately dangerous to life or health (IDLH), are unknown or when concentrations exceed 10 times the permissible exposure limit (PEL) when used in air-purifying mode, or according to specific United States OSHA standards or applicable local government regulations, whichever is lower. When used as a Type C, continuous flow supplied air half facepiece respirator, the Assigned Protection Factor is 50 times the PEL or other occupational exposure limit.
3. Do not alter abuse or misuse this respirator.
4. Do not use with beards or other facial hair or other conditions that prevent a good seal between the face and the face seal of the respirator.

Time Use Limitations

1. Cartridges and filters must be used before expiration date on packaging.
2. Particle filters must be replaced if they become damaged, soiled or if an increase in breathing resistance occurs. N-series filters should not be used in environments containing oils. R-series filters may be limited to 8 hours of continuous or intermittent use if oil aerosols are present. In environments containing only oil aerosols, P-series filters should be replaced after 40 hours of use or 30 days, whichever is first.
3. Service life of gas/vapor cartridges will depend upon activity of wearer (breathing rate); specific contaminant and concentration; and environmental conditions such as humidity, pressure, and temperature. Cartridges must be replaced in accordance with an end of service life indicator, established change schedule or earlier if smell, taste or irritation from contaminants is detected. Please see 3M Service Life Software

at www.3M.com/sls.

4. The 6007 and 60927 mercury vapor cartridges must be discarded within 50 hours of use against mercury vapor; or according to organic vapor, chlorine, hydrogen sulfide or sulfur dioxide service life, or when odors of vapors or gases become noticeable, whichever occurs first. Mercury vapor has no odor.

NIOSH Cautions and Limitations

The following restrictions may apply. See NIOSH approval label.

- A – Not for use in atmospheres containing less than 19.5 percent oxygen.
- B – Not for use in atmospheres immediately dangerous to life or health.
- C – Do not exceed maximum use concentrations established by regulatory standards.
- D – Air-line respirators can be used only when the respirators are supplied with respirable air meeting the requirements of CGA G-7.1 Grade D or higher quality.
- E – Use only the pressure ranges and hose lengths specified in the *User's Instructions*.
- G – If airflow is cut off, switch to filter and/or cartridge or canister and immediately exit to clean air.
- H – Follow established cartridge and canister change schedules or observe ESLI to ensure that cartridge and canisters are replaced before breakthrough occurs.
- J – Failure to properly use and maintain this product could result in injury or death.
- K – The Occupational Safety and Health Administration regulations require gas-proof goggles to be worn with this respirator when used against formaldehyde.
- L – 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 accordance with MSHA, OSHA, and other applicable regulations.
- N – Never substitute, modify, add, or omit parts. Use only exact replacement parts in the configuration as specified by the manufacturer.
- O – Refer to *User's Instructions*, and/or maintenance manuals for information on use and maintenance of these respirators.
- S – Special or critical *User's Instructions* and/or specific use limitations apply. Refer to *User's Instructions* before donning.

S – Special or Critical *User's Instructions*

3M™ Organic Vapor Service Life Indicator Cartridges (6001i and 60921i) are equipped with a passive 3M™ End of Service Life Indicator (ESLI). The indicator must be readily seen when wearing the respirator. If you cannot readily see the ESLI, use a mirror to observe the ESLI; rely on a co-worker who can see the ESLI; or go to a clean area, remove the respirator and view the ESLI. Do not rely solely on the organic vapor ESLI unless your employer has determined that it is appropriate for your workplace. See 6001i or 60921i *User Instructions* for more information, including Special Instructions regarding the ESLI.

3M™ Mercury Vapor, Organic Vapor and Acid Gas Cartridges (6007 and 60927) must be discarded within 50 hours of use against mercury vapor. 3M™ Particulate Filter P95, Hydrogen Fluoride, with Nuisance Level Acid Gas Relief, 2076HF and 3M™ Particulate Filter P100, Hydrogen Fluoride, with Nuisance Level Acid Gas Relief, 7093C are recommended for relief against nuisance levels of acid gases or organic vapors. Nuisance level refers to concentrations not exceeding OSHA PEL or applicable government occupational exposure limits, whichever is lower. Do not use for respiratory protection against acid gases or organic vapors, except hydrogen fluoride.

To assemble 3M™ Dual Airline Combination Breathing Tubes with 3M™ Cartridges/Filters, the facepiece inhalation valves must be removed. If the facepiece is to be used in air purifying mode (without using the 3M™ Breathing Tubes, SA-1600 or SA-2600), the inhalation valves must be replaced in the facepiece before use.

Cartridge and Filter Selection and Approvals

Before using any of these products, the user must read the specific use for, use limitations and warning information in the *User Instructions* and product packaging.

Do not exceed maximum use concentrations established by local regulatory agencies. Cartridges/filters are approved as assemblies for use with 3M™ Half Facepiece 6000 Series. For NIOSH approval, refer to approval label.

LIST OF PRODUCT

3M™ Half Facepiece Respirators

Number	****AAD	Description
6100	07024	Small
6200	07025	Medium
6300	07026	Large

**** AAD part numbers are catalog numbers only. NIOSH approved as PSD part numbers

3M™ Probed Half Facepiece Respirator (for quantitative fit testing only), includes 2091 P100 filters

Number	****AAD	Description
6100Q		Probed Respirator Assembly (Small)
6200Q		Probed Respirator Assembly (Medium)
6300Q		Probed Respirator Assembly (Large)

**** AAD part numbers are catalog numbers only. NIOSH approved as PSD part numbers

3M™ Half Facepieces Respirator Assemblies (includes 2091 P100 filters)

Number	****AAD	Description
6191		Particulate Respirator, P100 (Small)
6291		Particulate Respirator, P100 (Medium)
6391		Particulate Respirator, P100 (Large)

**** AAD part numbers are catalog numbers only. NIOSH approved as PSD part numbers

3M™ Bodyman and Brake Respirators

Number	****AAD	Description
	07181	Small
	07182	Medium
	07183	Large

**** AAD part numbers are catalog numbers only. NIOSH approved as PSD part numbers

3M™ Accessories and Parts

Number	****AAD	Description
504	07065	Respirator Cleaning Wipes
601		Quantitative Fit Test Adapter
6889		Exhalation Valve
6893	07144	Inhalation Valve
6895	07145	Inhalation Gasket
6281		Head Harness Assembly
6880	37002	Bayonet Cap

CAUTION

Failure to properly dispose of spent cartridges, filters, or respirators contaminated by hazardous materials can result in environmental harm. Handling, transportation and disposal of spent cartridges, filters, or respirators must comply with all applicable federal, state, and local laws and regulations.

3M™ 6000 Series Cartridges

Number	****AAD	Description	NIOSH Approval for respiratory protection against the following contaminants up to ten times the permissible exposure limit (PEL).
6001	07046	Organic Vapor	Certain organic vapors
6001i		Organic Vapor with Service Life Indicator	Certain organic vapors
6002		Acid Gas	Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide
6003	07047	Organic Vapor/Acid Gas	Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide or hydrogen fluoride
6004		Ammonia/Methylamine	Ammonia and methylamine
6005		Formaldehyde/Organic vapor	Formaldehyde and certain organic vapors ¹
6006		Multi-Gas/Vapor	Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide, ammonia/methylamine, formaldehyde or hydrogen fluoride ¹
6007		Mercury Vapor/Organic Vapor/Acid Gas	Mercury vapor, certain organic vapors, sulfur dioxide, hydrogen sulfide or chlorine gas
60921		Organic Vapor/P100	Certain organic vapors and particulates
60921i		Organic Vapor with Service Life Indicator/P100	Certain organic vapors and particulates
60922		Acid Gas/P100	Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide and particulates
60923		Organic Vapor/Acid Gas/P100	Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide or hydrogen fluoride and particulates
60924		Ammonia/Methylamine/P100	Ammonia and methylamine and particulates
60925		Formaldehyde/Organic Vapor/P100	Formaldehyde and certain organic vapors and particulates ¹
60926		Multi-Gas/Vapor/P100	Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide, ammonia/methylamine, formaldehyde or hydrogen fluoride and particulates ¹
60927		Mercury Vapor/Organic Vapor/Acid Gas/P100	Mercury vapor, certain organic vapors, sulfur dioxide, hydrogen sulfide or chlorine gas and particulates
60928		Organic Vapor/Acid Gas/P100	Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide or hydrogen fluoride and particulates ²

**** AAD part numbers are catalog numbers only. NIOSH approved as PSD part numbers

¹ OSHA regulations require gas proof goggles be worn with half facepiece respirators when used against formaldehyde.

² 3M recommended for use against methylbromide or radioiodine up to 5 ppm with daily cartridge replacement.

NOTE: Not NIOSH approved for use against methylbromide or radioiodine.

3M™ Filters, Adapters, Retainers

NOTE: Only 3M™ Filters approved under NIOSH 42 CFR 84 are to be used with the 3M™ Half Facepiece 6000 Series.

Number	****AAD	Description
501	07054	Filter Retainer for Filters 5N11 and 5P71
502		Filter Adapter for Filters 2000 Series and 7093/7093C
603		Filter Adapter for Filters 5N11, 5P71 with Filter Retainer 501
2071		Particulate Filter, P95
2076HF		Particulate Filter, P95, hydrogen fluoride, with nuisance level acid gas relief ¹
2078		Particulate Filter, P95, 3M recommended ozone protection ² , with nuisance level organic vapor/acid gas relief ¹
2091	07000	Particulate Filter, P100
2291		Advanced Particulate Filter, P100
2096		Particulate Filter, P100, with nuisance level acid gas relief ¹
2296		Advanced Particulate Filter, P100, with nuisance level acid gas relief ¹
2097	07184	Particulate Filter, P100, 3M recommended for ozone protection ² , with nuisance level organic vapor relief ¹
2297		Advanced Particulate Filter, P100, 3M recommended for ozone protection ² , with nuisance level organic vapor relief ¹
5N11		Particulate Filter, N95
5P71	07194	Particulate Filter, P95
7093		Particulate Filter, P100
7093C	37173	Particulate Filter, P100, hydrogen fluoride with nuisance level organic vapor/acid gas relief ¹

**** AAD part numbers are catalog numbers only. NIOSH approved as PSD part numbers

¹ 3M recommended for relief against nuisance levels of acid gases or organic vapors. Nuisance level refers to concentrations not exceeding OSHA PEL or applicable government occupational exposure limits, whichever is lower. Do not use for respiratory protection against acid gases or organic vapors.

² 3M recommended for ozone protection up to 10 times the OSHA PEL or applicable government occupational exposure limits, whichever is lower.

NOTE: Not NIOSH approved for use against ozone. 3M particulate filters must be immediately changed when an increase in breathing resistance is noticed.

In Brazil, the 3M™ Filter 5935BR is approved as a NIOSH N95 filter and as a BMOL P3 filter. It can be used with the filter adaptor 603 and the filter retainer 501 on the 3M™ Half Facepiece 6000 Series.

ASSEMBLY INSTRUCTIONS

NOTE: Make certain 3M™ Inhalation Port Gaskets 6895 are in place on the facepiece bayonet connectors before installing filters, cartridges or breathing tubes.

3M™ Cartridge 6000 Series, Filter 7093 and Cartridge/Filter 7093C

1. Align cartridge notch with facepiece mark, as shown, and push together (Fig. 1).
2. Turn cartridge clockwise to stop (1/4 turn) (Fig. 2).

3M™ Filters 5N11 and 5P71

1. Place filter into 501 retainer so printed side of filter faces the cartridge (Fig. 3).
2. Press cartridge into filter retainer. It should snap securely into filter retainer. When correctly installed, filter should completely cover face of cartridge.
3. To replace filter, remove retainer by lifting on tab.

In Brazil, the 5935BR Filter is assembled following the same procedures as the 5N11 and 5P71.

3M™ Filters 2000 Series

1. Align opening of filter with filter attachment on facepiece.
2. Turn filter clockwise until it is firmly seated and cannot be further turned.
3. Repeat for second filter.

3M™ Filter Adapter 502 and Filter Attachment

1. Align adapter over cartridge. Engage front snap by squeezing front of cartridge and adapter together, placing thumbs of both hands over top of adapter and fingers along bottom sides of cartridge (Fig. 4).
2. Engage back snap by squeezing back side of cartridge and adapter together using the same hand positions (Fig. 5). An audible click should be heard as each snap is engaged.
3. Place filter onto the filter holder so that filter comes into even contact with gasket. Twist clockwise a quarter turn until it is firmly seated and filter cannot be turned further. Repeat for second filter.

NOTE: The 3M™ Filter Adapter 502, once installed on a 3M™ Cartridge 6000 Series, is not to be removed or reused. Removal or reuse may

result in leakage, overexposure, sickness or death.

3M™ Filter Adapter 603 Assembly and 5N11 or 5P71 Filter Attachment

1. Align notch on edge of 603 adapter with facepiece mark as shown (Fig. 20).
2. Turn adapter 1/4 turn clockwise to stop. To remove adapter, turn 1/4 turn counterclockwise (Fig. 21).
3. Place filter into 501 retainer with filter printing facing towards the 603 adapter. Snap together and ensure the filter seal is free from creases or gaps (Fig. 22).

In Brazil, the 5935BR Filter used with the 603 adaptor is assembled following the same procedures as the 5N11 and 5P71.

3M™ Supplied Air Systems

▲ WARNING

To meet the U.S. National Institute for Occupational Safety and Health (NIOSH) requirement for minimum (4 CFM/115 lpm) and maximum (15 CFM/424 lpm) air flow, the air control valves approved for use with the 3M™ Half Facepiece Respirators 6000 Series must be operated within the correct supply pressure ranges and hose lengths. **Failure to do so may result in sickness or death.**

In Brazil, the Brazilian Association of Technical Standards (ABNT) NBR 14372 requires a minimum of 120 lpm and maximum of 280 lpm air flow for breathing air for half and full facepiece respirators.

▲ WARNING

OSHA 29 CFR 1910.134 requires that employers provide breathing air which shall “meet at least the requirements of the specification for Grade D breathing air as described in Compressed Gas Association Commodity specification G-7.1-1997” in the United States. In Canada, breathing air systems must be supplied air which meets at least the requirements of CSA Standard Z180.1. **Failure to do so may result in sickness or death.**

In Brazil, breathing air systems must be supplied with air which meets ANSI Z86.1-1989/CGA G-7.1, Grade D breathing air.

Assembly of 3M™ Dual Airline Breathing Tubes

1. Hold the facepiece in front of you so that the 3M logo is facing you. Align the two branches of the breathing tube over the two bayonet mounts on facepiece. For the 3M™ Breathing Tubes SA-1500 or SA-1600, make sure that 3M logo on breathing tube and on half facepiece are both facing towards you. For 3M™ Breathing Tubes SA-2500 or SA-2600, make sure that the 3M logo on breathing tube is facing in opposite direction to 3M logo on half facepieces (Fig. 6). SA-1500/SA-2500 shown.
2. Twist each branch of breathing tube clockwise a quarter turn until it is firmly seated in the bayonet and cannot be turned further (Fig. 7 and 8). Do not forcibly overturn as the bayonet could be damaged. SA-1500/SA-2500 shown.
3. Attach airline to approved air regulators per pressure schedules in dual airline operator’s manual.

Assembly of 3M™ Combination Dual Airline Breathing Tubes with Cartridges and/or Filters

The SA-1600 (front-mounted) and SA-2600 (back-mounted) versions of the 3M™ Dual Airline Breathing Tubes allow use of selected, NIOSH approved 3M™ Cartridges 6000 Series and Filters 2000 Series. For listing of approved cartridges and filters, reference NIOSH approval label included with 3M™ Dual Airline Breathing Tubes. To assemble dual airline breathing tubes with cartridges and/or filters, do the following:

1. Remove inhalation valves from facepiece and store them so they remain flat (Fig. 9).
2. Attach SA-1600 or SA-2600 breathing tubes to facepiece per the procedures outlined previously. The procedure is identical to the SA-1500 and SA-2500 models.
3. Make a selection of cartridges and/or filters that meets your respiratory protection requirements, and attach to outer bayonets of SA-1600 or SA-2600 Breathing Tubes (Fig. 10).
4. Don facepiece per procedures outlined in Fitting Instructions.
5. After being properly fit tested, perform a positive and negative pressure user seal check per procedures outlined in User Seal Check instructions. **If you cannot achieve a proper fit, DO NOT enter contaminated area. See your supervisor.**
6. Attach airline to approved air regulators per pressure schedules in dual airline operator’s manual.

IMPORTANT: If the facepiece is to be used in air-purifying mode (without using the SA-1600 or SA-2600 breathing tubes), the inhalation valves must be replaced in the facepiece before use.

Using the 3M™ Combination Dual Airline Breathing Tubes without Cartridges or Filters

To use the 3M™ Breathing Tubes SA-1600 or SA-2600 without cartridges or filters, attach a 3M™ Bayonet Cap 6880 to each outer bayonet mount on the breathing tube. When used as a Type C, continuous flow supplied air half facepiece respirator, the Assigned Protection Factor is 50 times the PEL or other occupational exposure limit.

FITTING INSTRUCTIONS

Must be followed each time respirator is worn.

NOTE: Do not use with beards or other facial hair or other conditions that prevent a good seal between the face and the faceseal of the respirator. To help maintain a seal between the face and the faceseal all hair, hoods, or other equipment must be kept out of respirator faceseal area at all times.

Donning Respirator

1. Place respirator over your mouth and nose, then pull head harness over crown of your head (Fig. 11).
2. Take bottom straps in both hands, place them in back of your neck, and hook them together (Fig. 12).
3. Position facepiece low on the bridge of your nose for optimal visibility and best fit.
4. Adjust top straps first, then lower neck straps by pulling on ends (Fig. 13). **DO NOT** pull too tight! (Strap tension may be decreased by pushing out on back side of buckles.) Perform a positive pressure and/or negative pressure user seal check. The positive pressure method is recommended.

If you cannot achieve a proper fit, DO NOT enter contaminated area. See your supervisor.

User Seal Checks

Always check the seal of the respirator on your face before entering a contaminated area.

Positive Pressure Seal Check

1. Place the palm of your hand over the exhalation valve cover and exhale gently. If facepiece bulges slightly and no air leaks are detected between your face and the facepiece, a proper fit has been obtained (Fig. 14).
2. If faceseal air leakage is detected, reposition respirator on your face and/or readjust tension of the elastic straps to eliminate leakage.
3. Repeat above steps until a tight faceseal is obtained.

If you cannot achieve a proper fit, DO NOT enter contaminated area. See your supervisor.

Negative Pressure Seal Check (with 6000 series cartridges)

1. Place palms of hands to cover face of cartridge or open area of 3M™ Filter Retainer 501, when retainer is attached to the cartridge, to restrict air flow (Fig. 15).
2. Inhale gently. If you feel facepiece collapse slightly and pull closer to your face with no leaks between the face and facepiece, a proper fit has been obtained.
3. If faceseal air leakage is detected, reposition respirator on face and/or readjust tension of straps to eliminate air leakage. Repeat above steps until a tight faceseal is obtained.

If you cannot achieve a proper seal, DO NOT enter contaminated area. See your supervisor.

NOTE: Use of 3M™ Filter Retainer 501 may aid respirator wearer in conducting a negative pressure seal check.

Negative Pressure Seal Check (with 2000 Series filters)

1. Place your thumbs onto the center portion of the filters, restricting airflow into the breathing tube of filters, and inhale gently. If you feel facepiece collapse slightly and pull closer to your face with no leaks between the face and facepiece, a proper fit has been obtained (Fig. 16).
2. If faceseal air leakage is detected, reposition respirator on face and/or readjust tension of straps to eliminate the leakage.
3. Repeat above steps until a tight faceseal is obtained.

If you cannot achieve a proper seal, DO NOT enter contaminated area. See your supervisor.

Negative Pressure User Seal Check (with 7093/7093C Filters)

1. Using hands press or squeeze filter covers toward facepiece and inhale gently. If you feel facepiece collapse slightly and pull closer to your face with no leaks between the face and facepiece a proper seal has been obtained (Fig. 23).
2. If faceseal air leakage is detected, reposition respirator on face and/or readjust tension of straps to eliminate the leakage.
3. Repeat above steps until a tight faceseal is obtained.

If you cannot achieve a proper seal, DO NOT enter contaminated area. See your supervisor.

Negative Pressure User Seal Check with Dual Airline

1. Disconnect airline hose from air control valve.
2. With breathing tube still connected to the air control valve inhale gently. If you feel facepiece collapse slightly and pull closer to your face with no leaks between the face and facepiece, a proper seal has been obtained.
3. For combination dual airline where cartridges or filters are attached perform user seal check as described above under the appropriate cartridge or filter that is being used.
4. If faceseal air leakage is detected, reposition the respirator on your face and/or readjust the tension of the straps to eliminate the leakage and recheck seal.

If you cannot achieve a proper seal, DO NOT enter contaminated area. See your supervisor.

NOTE: Before assigning any respirator to be worn in a contaminated area, a qualitative or quantitative fit test must be performed per OSHA 29 CFR 1910.134, or CSA Standard Z94.4.

FIT TESTING

The effectiveness of a respirator will be reduced if it is not fitted properly. Therefore, either quantitative or qualitative fit testing must be conducted prior to the respirator being issued.

NOTE: Fit testing is a U.S. Occupational Safety and Health Administration (OSHA), a Canadian CSA and a Brazilian BMOL requirement.

QUANTITATIVE FIT TESTING

Quantitative Fit Testing (QNFT) can be conducted using a 3M™ Fit Test Adapter 601 and P100 filters such as the 3M™ Particulate Filters, P100, 2091 or 7093.

QUALITATIVE FIT TESTING

Qualitative Fit Testing (QLFT) with the 3M™ Qualitative Fit Test Apparatus FT-10 or FT-30 can be conducted using any of the NIOSH approved particulate filters.

Respirators should also be fit tested while wearing any personal protective equipment (PPE) the wearer may use in their work environment that may affect the fit of the respirator (e.g. hoods, hardhats, safety glasses, hearing protections, etc.).

INSPECTION, CLEANING, AND STORAGE

Inspection Procedure

The 3M™ Facepiece 6000 Series must be inspected before each use to ensure that it is in good operating condition. Any damaged or defective parts must be replaced before use. The following inspection procedure is recommended.

1. Check facepiece for cracks, tears and dirt. Be certain facepiece, especially face seal area, is not distorted.
2. Examine inhalation valves for signs of distortion, cracking or tearing.
3. Make sure that head straps are intact and have good elasticity.
4. Examine all plastic parts for signs of cracking or fatiguing. Make sure filter gaskets are properly seated and in good condition.
5. Remove exhalation valve cover and examine exhalation valve and valve seat for signs of dirt, distortion, cracking or tearing. Replace exhalation valve cover.

Cleaning and Storage

Cleaning is recommended after each use

⚠ WARNING

Do not clean with solvents. Cleaning with solvents may degrade some respirator components and reduce respirator effectiveness. Inspect all respirator components before each use to ensure proper operating condition. Failure to do so may result in sickness or death.

1. Remove cartridges and/or filters.
2. Clean facepiece (excluding filters and cartridges), with 3M™ Respirator Wipes 504 (not to be used as the only method of cleaning) or by immersing in warm cleaning solution, water temperature not to exceed 120°F, and scrub with soft brush until clean. Add neutral detergent if necessary. Do not use cleaners containing lanolin or other oils.
3. Disinfect facepiece by soaking in a solution of quaternary ammonia disinfectant or sodium hypochlorite (1 oz. [30 ML] household bleach in 2 gallons [7.5 L] of water), or other disinfectant.
4. Rinse in fresh, warm water and air dry in non-contaminated atmosphere.
5. The cleaned respirator should be stored away from contaminated areas when not in use.

REPLACEMENT PART INSTRUCTIONS

3M™ Inhalation Valve 6893

Inhalation valves are located on posts at the inside of the facepiece inhalation ports. These valves should be inspected before each respirator use and replaced whenever valves become damaged or lost.

1. Remove existing valve(s) by lifting from post(s) (Fig. 9).
2. Install new valve(s) onto post(s). Be certain valve(s) is fully engaged under all three lugs on post(s), lays flat, and moves freely (spins) on post.

3M™ Exhalation Valve 6889

1. Remove valve cover assembly from facepiece (Fig.19).
2. Grasp valve and pull valve stem out from valve seat (Fig.17).
3. Inspect valve seat making certain it is clean and in good condition.
4. Place new valve over exhalation port and press valve stem into center hole. Be certain the valve is fully seated and spins freely in mount.
5. Replace valve cover assembly.

NOTE: Conduct a negative pressure seal check to ensure exhalation valve is functioning properly.

3M™ Inhalation Gasket Replacement 6895

The closed cell foam rubber gasket is designed to seal the interface between the bayonet attachment inhalation ports on the facepiece and filters/cartridges or dual airline. The gaskets should be inspected with each filter/cartridge change and replaced whenever damaged or if seal integrity is questionable.

1. Remove gaskets from facepiece inhalation port bayonet fittings (Fig.18).
2. Install new gaskets onto facepiece inhalation port bayonet fittings. Be certain gaskets are in proper position under all three bayonet lugs.

3M™ Respirator Strap Assembly 6281

1. To remove, disengage upper legs of valve cover assembly from facepiece buttons.
2. Pry or pull valve cover assembly from facepiece exhalation port (Fig. 19).
3. To install, properly position new strap assembly valve cover over facepiece exhalation port and snap into place by firmly pressing together.
4. Engage holes in upper legs of valve cover assembly with facepiece buttons.

For Compliance in Brazil NOTE

1. Do not use in deficient or enriched oxygen atmospheres.
2. Storage, Transportation and Care: store in a clean and dry place and away from contaminants and extreme temperature and humidity.
3. The components of this respirator are made of materials which are not expected to cause adverse health effects.
4. It is necessary to have special care to use this product in explosives atmospheres.

Product Manufacturing Date

The parts of the product show markings that bring information of manufacturing date, and its reading is described as in the example below:

Date Code = 12th month 2019 (12/19)



