

## Half Facepiece Drop Down Respirator 6000D

Use Instructions For 3M™ 6100D, 6200D, 6300D Half Facepieces

### IMPORTANT: Keep These User Instructions for Reference

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.

**IMPORTANT: Lire ces instructions de référence.**

### Respirador de demi-masque zambato 6000D

Directives d'utilisation pour les demi-masques 6100D, 6200D et 6300D 3M™

### IMPORTANT : Conservar ces directives d'utilisation à titre de référence.

O respirador possui uma dupla homologação: como um respirador de meia máscara por parte do Instituto Nacional de Saúde e Segurança Ocupacional dos Estados Unidos e como um respirador de meia máscara por parte do Ministério do Trabalho do Brasil. Informações específicas são fornecidas quando aplicáveis. Toda a outra informação se aplica aos dois padrões.

### Respirador de pieza facial de media cara con posición hacia abajo 6000D

Instrucciones para Piezas Faciales de media cara 3M™ 6100D, 6200D y 6300D

### IMPORANTE: Conservar estas Instrucciones para referencia.

Este respirador cuenta con una aprobación dual como un respirador de pieza facial de media cara por NIOSH y como respirador de media cara por parte del Ministerio de Trabajo del Brasil. Información específica se proporciona información específica. La demás información es común para ambas normas.

### Respirador Peça Semifacial Tirante Deslizante Série 6000D

Instruções de Uso para as Peças Semifaciais 3M™ 6100D, 6200D and 6300D

### IMPORANTE: Guarde estas Instruções de Uso para referência.

Este respirador possui dupla aprovação como respirador peça semifacial nos Estados Unidos pelo National Institute for Occupational Safety and Health (NIOSH) e no Brasil pelo Ministério do Trabalho. Informações específicas são fornecidas quando aplicáveis. Toda a outra informação se encontra em ambas as normas.

## GENERAL SAFETY INFORMATION

### Intended Use

The 3M™ 6000D Series Half Facepiece Respirators are NIOSH approved and designed to help provide respiratory protection against certain airborne contaminants when used in accordance with all use and limitation instructions and applicable safety and health regulations.

The product contains no components made from natural rubber latex.

### WARNING

This respirator helps you avoid certain airborne contaminants. Always use it as directed on the instructions and never use it for any other purpose. For more information on the 3M Respirator, call 1-800-243-4630. In Canada, call Technical Service at 1-800-247-4414. In Brazil, contact Customer Service at 0800-906557.

Use these User Instructions for general information about workplace use only. Important information is provided in the User Instructions with each of the air filtration/supplied air systems that are NIOSH certified by the use with the 6000D Series Half Facepiece Respirators. Failure to follow User Instructions for the air filtration/supplied air system may result in reduced protection. See user instructions for the specific filter or filter assembly. All other information is common to both standards.

O respirador possui uma dupla homologação: celle du National Institute for Occupational Safety and Health (NIOSH) de e du Canada respirateur à demi-masque et celle du ministère du Travail du Brésil comme respirateur à demi-masque. Renseignements précis sont fournis où cela s'applique. Tous les autres renseignements se rapportent aux deux normes.

In Brazil, breathing air systems must be supplied with air which meets ANSI Z89.1-1989/CSA G-7.1, Grade D breathing air.

### USE, INSTALLATION & 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 approval, OSHA Instruction, or Canada CSA standard Z24 requirements, applicable local government regulations and 3M Personal Safety Division. For more information on the 6000D Series Respirator, call Technical Service at 1-800-243-4630. In Canada, call Technical Service at 1-800-247-4414. In Brazil, contact Customer Service at 0800-906557.

#### Do Not Use For

Do not use for concentrations of contaminants which are immediately dangerous to life or health, or when when concentration exceeds 10 times the permissible exposure limit (PEL) in air-purifying mode. Do not use in supplied air mode or according to specific OSHA standards or applicable government regulations, whichever is more restrictive. Do not use in Brazil for the 6000D Series.

#### 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.

- Before occupational use of this respirator a written respiratory protection program must be implemented including 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 requirements. In Canada, call Technical Service at 1-800-247-4414. In Brazil, contact Customer Service at 0800-906557. For information on the applicable jurisdiction, see appropriate. In Brazil, follow the Respiratory Protection Program of the Ministry of Labor requirements. When used in accordance with the applicable OSHA and/or Canadian government specifications meet the requirements of Grade D breathing air in a Compressed Gas Association Certified Containers (7-1-1997). In Canada, breathing air systems must be supplied with air which meets at least the requirements of CSA Standard Z10.1.
- The airborne contaminants which can be dangerous to your health include those that are so small or very fine that they can be inhaled or absorbed, or that they can be inhaled or absorbed, or that they can be inhaled or absorbed, or that they can be inhaled or absorbed.
- Do not enter areas where there are contaminated areas when not in use.
- Dispose of used product in accordance with applicable regulations.

In Brazil, breathing air systems must be supplied with air which meets ANSI Z89.1-1989/CSA G-7.1, Grade D breathing air.

#### Use Limitations

- Respirator does not supply oxygen when used in air-purifying mode. Do not use in atmospheres containing less than 19.5% oxygen.
- Do not use when concentrations of contaminants are immediately dangerous to life or health, are unknown or when concentration exceeds 10 times the permissible exposure limit (PEL) in air-purifying mode, or according to specific OSHA standards or applicable government regulations, whichever is lower. When used as a straight Type C, continuous flow respirator, the Assigned Protection Factor is 50 times the PEL or TLV guidelines for all half-face respirators.
- Do not enter areas where there are contaminated areas when not in use.
- Do not use with beard or other facial hair or other conditions that prevent a good seal between the face and the faceseal of the respirator.

#### Time Use Limitations

- Respirator does not become damaged, soiled, or breathing becomes difficult, leave the contaminated area immediately and replace the respirator.
- Do not use for concentrations of contaminants which are immediately dangerous to life or health, are unknown or when concentration exceeds 10 times the permissible exposure limit (PEL) in air-purifying mode, or according to specific OSHA standards or applicable government regulations, whichever is lower. When used as a straight Type C, continuous flow respirator, the Assigned Protection Factor is 50 times the PEL or TLV guidelines for all half-face respirators.
- Do not enter areas where there are contaminated areas when not in use.
- Do not use with beard or other facial hair or other conditions that prevent a good seal between the face and the faceseal of the respirator.

## NIOSH Cautions and Limitations

A - Not for use in atmospheres containing less than 19.5 percent oxygen when used in air-purifying mode.

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

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

D - The user respirator can be used only when the respirators are supplied with respirable air meeting the requirements of CGA 1.1 Grade D or higher quality.

E - The product contains no components made from natural rubber latex.

G - If air-flow is cut off, switch to flow regulator and immediately exit to clean air.

H - Do not wear for protection against organic vapors with poor wearing properties or those which generate high levels of reaction with isocyanate.

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

J - Failure to properly use and maintain this product could result in injury or death.

K - Follow the manufacturer's instructions for changing cartridges and/or filters.

M - All approved respirators must be selected 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 Instructions and/or maintenance manuals for information on use and maintenance of these respirators.

P - NIOSH does not evaluate respirators to rate as surgical masks.

S - Special or critical User Instructions and/or specific Use Limitations apply. Refer to instruction manual before use.

### Special or Critical Users Instructions and/or Specific Use Limitations

1. Cartridges and/or filters are equipped with passive 3M™ End of Service Life Indicators (ESLI) for mercury vapor. The color change indicator must be readily visible when wearing the respirator without manipulation. It can be read directly on the cartridge or filter. Some passive ESLI color change may be discarded when the ESLI changes to the indicator color found on the mercury vapor cartridge label, or within 30 days of opening package, or when ESLI becomes dirty or contaminated. Do not use if the indicator has become indistinct, or according to instructions on the label. Refer to the instructions on the label for more information. To assemble 3M™ Dual Airline Combination Breathing Tubes with 3M™ Cartridges/Filters, the tapecase installation valve must be replaced by the replacement valve in the tapecase before use.

### Cartridge and Filter Selection and Approval

Before using any of these products, the user must read the specific use, use limitations and warning information in the User Instructions and product packaging or call Federal Technical Service at 1-800-243-4630. In Canada, call Technical Service at 1-800-247-4414. In Brazil, contact Customer Service at 0800-906557. Do not exceed maximum use concentrations established by local regulatory agencies. Cartridges/filters may not be replaced in accordance with 3M™ Respirator 6000 Series. For NIOSH approval, refer to approval label.

### LIST OF PRODUCTS

#### 3M™ 6000D Series Reusable Dual Cartridge Respirators

Number	***AAD	Descriptions
6100D		Small
6200D		Medium
6300D		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 Wipe
601		Quantitative Fit Test Adapter
6889		Exhalation Valve
6893	07144	Inhalation Valve
6895	07145	Inhalation Gasket
6282		Head Harness Assembly
6880	37002	Bayonet Cap

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

#### Caution

Failure to properly dispose of spent cartridges, filters, or respirators contaminated by hazardous materials can result in health, environmental harm. Handling, transportation, handling, disposal, 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 10 times the permissible exposure limit (PEL).
6001	07046	Organic Vapor	Certain organic vapors.

6002		Acid Gas	Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen chloride.
6003	07047	Organic Vapor/Acid Gas	Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide or hydrogen fluoride.
6004		Amononia/Methylamine	Amononia and methylamine.
6005		Formaldehyde/Organic Vapor	Formaldehyde and certain organic vapors.
6006		Multi-Gas/Vapor/100	Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide and sulfur dioxide or hydrogen sulfide or hydrogen fluoride.
6009		Mercury Vapor/Chlorine	Mercury vapor or chlorine gas.
6008		Organic Vapor/Chlorine	Certain organic vapors and particulates.
6009		Acid Gas/P100	Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide or sulfur dioxide or hydrogen sulfide or hydrogen fluoride.
6092		Organic Vapor/Acid Gas/P100	Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide or sulfur dioxide or hydrogen sulfide or hydrogen fluoride.
6004		Amononia/Methylamine/P100	Amononia and methylamine and particulates.
6005		Formaldehyde/Organic Vapor/100	Formaldehyde and certain organic vapors and particulates.
6026		Multi-Gas/Vapor/100	Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide, amononia/methylamine, and sulfur dioxide or hydrogen sulfide or hydrogen sulfide or hydrogen fluoride.
6028		Organic Vapor/Acid Gas/P100	Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide or sulfur dioxide or hydrogen sulfide or hydrogen fluoride.
2291		Formaldehyde/P100	Formaldehyde and certain organic vapors and particulates.
6029		Mercury Vapor/Chlorine Gas/P100	Mercury vapor or chlorine gas and particulates.

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

OSHA regulations require gas proof goggles be worn with half-face respirators when used against toxic gases.

3M recommends for use against methylmercury or radionuclides up to 5 ppm with daily cartridge replacement.

NOTE: NE NIOSH approval for use against methylmercury or radionuclides.

#### Service Life of Chemical Cartridges and Filters

3M Series cartridges should be used before the expiration date on cartridge packaging. The useful service life of these cartridges will depend upon the activity of the vapor being breathed (rate, specific type, volatility and concentration of contaminants and environmental conditions such as humidity, pressure, and temperature. Cartridges must be replaced in accordance with an established change schedule, or earlier if necessary, taste or irritation from the contaminant is detected.

Filters must be replaced if they become saturated or if increased breathing resistance is noted. If serious filters should not be used in environments containing oily, R-series filters may be limited to 8 hours of continuous use. Do not use in environments containing oily, R-series filters may be limited to 8 hours of continuous use. Do not use in environments containing oily, R-series filters may be limited to 8 hours of continuous use. Do not use in environments containing oily, R-series filters may be limited to 8 hours of continuous use.

#### 3M™ Filters, Adapters, Retainers

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

Number	***AAD	Description
502		Filter Retainer for Filters SN1 and SPT1
2291		Filter Adapter for Filters 2000 Series and 7093/7030
6002		Filter Adapter for Filters SN1, SPT1 with Vent
6003		Particulate Filter, P95
2079F		Particulate Filter, P95, hydrogen fluoride, with nuisance level acid gas relief
2078		Particulate Filter, P95, 3M recommended once through organic vapor organic acid gas relief
2091	07000	Particulate Filter, P100
2296		Advanced Particulate Filter, P100, with nuisance level acid gas relief

2296		Advanced Particulate Filter, P100, with nuisance level acid gas relief
2097	07184	Particulate Filter, P100, 3M recommended for ozone protection
2297		Advanced Particulate Filter, P100, 3M recommended for ozone protection
2307		Advanced Particulate Filter, P100, 3M recommended for ozone protection
SN11		Particulate Filter, P95
SPT1	07194	Particulate Filter, P95
7093		Particulate Filter, P100
37002	37773	Bayonet cap for second filter.

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

3M recommends for relief against nuisance levels of acid gases and 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.

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

NOTE: NE NIOSH approval for use against ozone.

OSHA Filters must be immediately changed when an increase in breathing resistance is noted.

#### ASSEMBLY INSTRUCTIONS

1. Attach the 5855SR Filter to the applicable gaskets 8085 are in place on the facepiece bayonet connectors before installing filters, cartridges or breathing tubes.

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In Brazil, the Brazilian Association of Technical Standards (ABNT) NR11 4372 requires a minimum of 120 lpm and maximum of 280 mm gpm flow for breathing air for full and half facepiece respirators.

#### WARNING

OSHA Standard 29 CFR 1910.134 requires that employees do not work in atmospheres that "meet at least the requirements of the requirements of Grade D breathing air as described in Compressed Gas Association (CGA) 1.1 Grade D or higher quality." In Canada, call Technical Service at 1-800-247-4414. In Brazil, contact Customer Service at 0800-906557.

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