

# Particulate Filters 2000 and 2200 Series, P100

## Filtres P100 contre les particules des séries 2000 et 2200

### Filtros para partículas Serie 2000 y 2200, P100

### Filtros para Partículas Série 2000 e 2200, P100



This filter helps protect against certain airborne contaminants. **Missuse may result in sickness or death.** For proper use, see supervisor or User Instructions, or call 3M in U.S.A., 1-800-247-3941. In Canada, call Technical Service at 1-800-267-4414. In Brazil, contact: 0800-0550705.

De filtre protège contre certains contaminants en suspension dans l'air. **Une mauvaise utilisation peut provoquer des problèmes de santé ou la mort.** Pour tout renseignement sur l'utilisation adéquate de ce produit, consultez son superviseur, lisez les directives d'utilisation ou communiquez, au Canada, avec le Service technique de 3M au 1 800 267-4414.

Este filtro ayuda a proteger contra ciertos contaminantes suspendidos en el aire. **El mal uso puede ocasionar enfermedad o incluso la muerte.** Para su uso adecuado consulte a su supervisor, lea las Instrucciones, o llame a 3M en EUA al 1-800-247-3941, en Canadá llame al Servicio Técnico al 1-800-267-4414; en México llame al 01-800-712-0646; en Brasil llame al 0800-0550705. O contacte a 3M en su país.

Este filtro ajuda a proteger contra certos particulados suspensos no ar. **O uso inadequado pode causar enfermidade ou morte.** Para o uso correto, consulte seu supervisor, as Instruções de Uso ou ligue para a 3M Estados Unidos, 1-800-243-4630. No Canadá, ligue para o Serviço Técnico, 1-800-267-4414. No Brasil ligue para o Fale com 3M 0800-0550705.

Use Instructions for 3M™ Particulate Filter 2091/07000 (AAD), P100; 3M™ Advanced Particulate Filter 2291, P100; 3M™ Particulate Filter 2096, P100, with Nuisance Level Acid Gas Relief™; 3M™ Advanced Particulate Filter 2296, P100, with Nuisance Level Acid Gas Relief™; 3M™ Particulate Filter 2097/07184 (AAD), P100, with Nuisance Level Organic Vapor Relief™; and 3M™ Advanced Particulate Filter 2297, P100, with Nuisance Level Organic Vapor Relief™.

**IMPORTANT:** Keep these User Instructions for reference. For use only with 3M 5000 series, 6000 series, 7000 series and FF-400 series half and full facepiece respirators according to the NIOSH approval label. 07000 and 07184 are catalog numbers only. NIOSH approved as 3M 2091 P100 Particulate Filter and 3M 2097 P100 Particulate Filter.

**\*\* 3M recommended** for relief against nuisance levels of acid gases. Nuisance level acid gas refers to concentrations less than the OSHA PEL or applicable government occupational exposure limits, whichever is lower. **\*\* 3M recommended** for relief against nuisance levels of organic vapors. Nuisance level organic vapor refers to concentrations less than the OSHA PEL or applicable government occupational exposure limits, whichever is lower.

The 2091, 2096 and 2097 respirator filters have dual approval as United States (US) National Institute for Occupational Safety and Health (NIOSH) P100 particulate filters and as Brazil Ministry of Labor approved P3, SL particulate filters. Standard specific information is provided where applicable. All other information is common to both standards.

*Directives d'utilisation pour le filtre P100 2091 3M™ contre les particules (n° de prod. 07000, Division du marché après-vente pour l'automobile), le filtre perfectionné P100 2291 3M™ contre les particules, le filtre P100 2096 3M™ contre les particules et les concentrations nuisibles de gaz acides\*\*, le filtre perfectionné P100 2296 3M™ contre les particules et les concentrations nuisibles de gaz acides\*\*, le filtre P100 2097 3M™ contre les particules et les concentrations nuisibles de vapeurs organiques\*\* (n° de prod. 07184, Division du marché après-vente pour l'automobile) et le filtre perfectionné P100 2297 3M™ contre les particules et les concentrations nuisibles de vapeurs organiques\*\*.*

**IMPORTANT:** Conservez ces directives d'utilisation à titre de référence. Utiliser uniquement avec les respirateurs à masque complet et à demi-masque 3M des séries 5000, 6000, 7000 et FF-400 conformément à l'étiquette d'homologation du NIOSH. Les numéros 07000 et 07184 ne sont que des numéros de référence. Homologues par le NIOSH sous les désignations suivantes : Filtre P100 2091 3M contre les particules et Filtre P100 2097 3M contre les particules.

**\*\* Recomendado por 3M** contre les concentrations nuisibles de gaz acides. Par concentrations nuisibles de gaz acides, on entend les concentrations inférieures à la limite d'exposition admissible de l'OSHA ou aux limites d'exposition gouvernementales applicables en milieu de travail, selon la valeur la moins élevée.

**\*\* Recomendado por 3M** para a proteção contra as concentrações nuisíveis de vapores orgânicos. Par concentrações nuisíveis de vapores orgânicos, on entende as concentrações inferiores à a limite d'exposição admissível de l'OSHA ou aos limites de exposição governamental aplicáveis em milieo de trabalho, segundo o valor da menor elevação.

Los filtros de respirador 2091, 2096 y 2097 cuentan con una aprobación dual como filtro para partículas P100 por el Instituto Nacional para Seguridad y Salud Ocupacional (NIOSH) por sus siglas en inglés y como filtro para partículas P3 SL por la Secretaría del Trabajo de Brasil. Si aplica, se proporciona información específica. La demás información es común para ambas normas.

Los filtros de respirador 2091, 2096 y 2097 cuentan con una aprobación dual como filtro para partículas P100 por el Instituto Nacional para Seguridad y Salud Ocupacional (NIOSH) por sus siglas en inglés y como filtro para partículas P3 SL por la Secretaría del Trabajo de Brasil. Si aplica, se proporciona información específica. La demás información es común para ambas normas.

*Instruções de Uso para o Filtro para Partículas 3M™ 2091/07000 (AAD), P100; Filtro Avançado para Partículas 3M™ 2291, P100; Filtro para Partículas 3M™ 2096, P100, com Alívio contra Níveis Molesto de gás ácido\*\*; Filtro Avançado para Partículas 3M™ 2296, P100, com Alívio contra Níveis Molesto de gás ácido\*\*; Filtro para Partículas 3M™ 2097/07184 (AAD), P100, com Alívio para Baixas Concentrações de vapor orgânico\*\*; e Filtro Avançado para Partículas 3M™ 2297, P100, com Alívio para Baixas Concentrações de vapor orgânico\*\*.*

**IMPORTANT:** Guarde estas Instruções para referência futura. Para uso exclusivo em respiradores semifaciais e faciais interfaciais 3M Série 5000, Série 6000, Série 7000 e Série FF-400 de acordo com aprovações do NIOSH. 07000 e 07184 são apenas números de catálogos. Aprovado pelo NIOSH como Filtro para Partículas 3M 2091 e Filtro para Partículas 3M 2097 P100.

**\*\* Recomendado pela 3M** para alívio contra baixas concentrações de gases ácidos. Baixas concentrações de gases ácidos se referem a concentrações que não excedam o limite de exposição PEL da OSHA, ou os limites de exposição estabelecidos por normas governamentais, qualquer que seja menor.

**\*\* Recomendado pela 3M** para alívio contra baixas concentrações de vapores orgânicos. Níveis molestos de gás ácido se refere a concentrações que não excedam o limite de exposição PEL da OSHA, ou os limites de exposição estabelecidos por normas governamentais, qualquer que seja menor.

Os filtros para respirador 2091, 2096 e 2097 possuem dupla aprovação como filtro para partículas P100 nos Estados Unidos pelo National Institute for Occupational Safety and Health (NIOSH) e no Brasil como filtro mecânico tipo P3 SL pelo Ministério do Trabalho. Informações específicas são fornecidas quando aplicáveis. Todas as outras informações são comuns a ambas as normas.

Os filtros para respirador 2091, 2096 e 2097 possuem dupla aprovação como filtro para partículas P100 nos Estados Unidos pelo National Institute for Occupational Safety and Health (NIOSH) e no Brasil como filtro mecânico tipo P3 SL pelo Ministério do Trabalho. Informações específicas são fornecidas quando aplicáveis. Todas as outras informações são comuns a ambas as normas.

**IMPORTANT** Before use, the wearer must read and understand these User Instructions and the User Instructions for the 5000 series, 6000 series, 7000 series and FF-400 series half or full facepiece respirator to be used with these filters. These filters are NIOSH approved only for use with 3M 5000 series, 6000 series, 7000 series and FF-400 series half and full facepieces. Keep these User Instructions for reference.

**Use For** Particulate Filters 2091 and 2291, P100

- Solids such as those from processing minerals, coal, iron ore, cotton, flour, and certain other substances.
- Liquid or oil based particles from sprays that do not also emit harmful vapors.
- Metal fumes produced from welding, brazing, cutting and other operations involving heating of metals.
- Radioactive particulate materials such as uranium and plutonium.
- Asbestos.

**Particulate Filters 2096 and 2296, P100 with nuisance level acid gas relief\*\***

- Solids such as those from processing minerals, coal, iron ore, cotton, flour, and certain other substances.
- Liquid or oil based particles from sprays that do not also emit harmful vapors.
- Metal fumes produced from welding, brazing, cutting and other operations involving heating of metals.
- Radioactive particulate materials such as uranium and plutonium.
- Asbestos.

**Particulate Filters 2097 and 2297, P100 with nuisance level organic vapor relief\*\***

- Solids such as those from processing minerals, coal, iron ore, cotton, flour, and certain other substances.
- Liquid or oil based particles from sprays that do not also emit harmful vapors.
- Metal fumes produced from welding, brazing, cutting and other operations involving heating of metals.
- Radioactive particulate materials such as uranium and plutonium.
- Asbestos.

**Do Not Use For** Particulate Filter 2091 and 2291, P100

- Do not use for gases and vapors when concentrations are at or above the OSHA PEL, or applicable government regulations, whichever is lower, including those present in paint spraying operations, unless combined with approved chemical cartridges.
- Do not use for sandblasting.

**Particulate Filter 2096 and 2296, P100 with nuisance level acid gas relief\*\***

- Do not use for gases and vapors when concentrations are at or above the OSHA PEL, or applicable government regulations, whichever is lower, including those present in paint spraying operations, unless combined with approved chemical cartridges.
- Do not use for sandblasting.

**Particulate Filter 2097 and 2297, P100 with nuisance level organic vapor relief\*\***

- Do not use for gases and vapors when concentrations are at or above the OSHA PEL, or applicable government regulations, whichever is lower, including those present in paint spraying operations, unless combined with approved chemical cartridges.
- Do not use for sandblasting.

**Do Not Use For** Particulate Filter 2091 and 2291, P100

- Do not use for gases and vapors when concentrations are at or above the OSHA PEL, or applicable government regulations, whichever is lower, including those present in paint spraying operations, unless combined with approved chemical cartridges.
- Do not use for sandblasting.

**Particulate Filter 2096 and 2296, P100 with nuisance level acid gas relief\*\***

- Do not use for gases and vapors when concentrations are at or above the OSHA PEL, or applicable government regulations, whichever is lower, including those present in paint spraying operations, unless combined with approved chemical cartridges.
- Do not use for sandblasting.

**Particulate Filter 2097 and 2297, P100 with nuisance level organic vapor relief\*\***

- Do not use for gases and vapors when concentrations are at or above the OSHA PEL, or applicable government regulations, whichever is lower, including those present in paint spraying operations, unless combined with approved chemical cartridges.
- Do not use for sandblasting.

**Do Not Use For** Particulate Filter 2091 and 2291, P100

- Do not use for gases and vapors when concentrations are at or above the OSHA PEL, or applicable government regulations, whichever is lower, including those present in paint spraying operations, unless combined with approved chemical cartridges.
- Do not use for sandblasting.

**Particulate Filter 2096 and 2296, P100 with nuisance level acid gas relief\*\***

- Do not use for gases and vapors when concentrations are at or above the OSHA PEL, or applicable government regulations, whichever is lower, including those present in paint spraying operations, unless combined with approved chemical cartridges.
- Do not use for sandblasting.

**Particulate Filter 2097 and 2297, P100 with nuisance level organic vapor relief\*\***

- Do not use for gases and vapors when concentrations are at or above the OSHA PEL, or applicable government regulations, whichever is lower, including those present in paint spraying operations, unless combined with approved chemical cartridges.
- Do not use for sandblasting.

**Biological Particles** These particulate filters can help reduce inhalation exposures to certain airborne biological particles (e.g. mold, Bacillus anthracis, avian influenza, Mycobacterium tuberculosis, etc.) but cannot eliminate the risk of contracting infection, illness or disease. OSHA and other government agencies have not established safe exposure limits for these contaminants.

**Use Instructions**

- Failure to follow all instructions and limitations on the use of these filters and/or failure to wear the respirator during all times of exposure can reduce respirator effectiveness and may result in sickness or death.
- Before occupational use of these filters, a written respiratory protection program must be implemented meeting all the local applicable requirements. In the U.S., follow OSHA 29 CFR 1910.134 which includes medical evaluation, training and fit testing. In the U.S., users must also comply with applicable OSHA substance specific standards. In Canada, CSA standard Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. In Brazil, follow the requirements of the Respiratory Protection Program of the Ministry of Labor.

3. The airborne contaminants which can be dangerous to your health include those so small that you cannot see them.

4. Leave the contaminated area immediately and contact your supervisor if you smell or taste contaminants or if dizziness, irritation, or other distress occurs.

5. Store the filters and respirator away from contaminated areas when not in use.

6. Dispose of used product in accordance with applicable regulations.

**Use Limitations**

- Do not use if you do not supply oxygen. 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,
  - exceed the 3M recommendations in the "Use For" and "Do Not Use For" sections of these User Instructions,
  - are greater than 10 times the permissible exposure limit (PEL) with half facepiece respirators and full facepiece respirators when quantitatively fit tested, or
  - exceed specific local applicable government regulations (such as OSHA standards in the U.S.) or other applicable government regulations, whichever is lower.

3. Do not alter clean (e.g. vacuum, wash, use compressed air), abuse or misuse these filters and/or respirator.

4. Do not use with beard or other facial hair or other conditions that prevent a good seal between the face and the sealing surface of the respirator.

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 using a half facepiece or 100 times the permissible exposure limit using a full facepiece.

**Time Use Limitations**

- If filters become damaged, soiled or breathing becomes difficult, leave the contaminated area immediately and replace the filters.
- If used in environments containing only air aerosols, dispose of filters after 40 hours of use or 50 days, whichever is first.
- If used for ozone protection (3M 2097 and 2297 P100 Particulate Filter and nuisance level organic vapor), replace filters in accordance with an established change schedule, or earlier if smell, taste or irritation from contaminants is detected.

**Storage Conditions and Shelf Life** Before use, store filters in the original packaging, away from contaminated areas, dust, sunlight, extreme temperatures, excessive moisture and damaging chemicals. When stored in accordance with temperature and humidity conditions specified below, the filter may be used until the "use by" date specified on packaging. Always inspect product and conduct a user seal check before use as specified in the respirator User Instructions. If you cannot achieve a proper seal, do not enter the contaminated area. See your supervisor.

**End of Shelf Life** Use respirators before the "use by" date specified on packaging

**Storage Temperature Range** -20°C (-4°F) to +30°C (+86°F)

**Storage Maximum Relative Humidity** -80% RH

**NIOSH Approved: P100 Particulate Filter** At least 99.97% filtration efficiency against solid and liquid aerosols including oils.

**For Compliance in Brazil NOTE: Particulate Filters 2091, 2096, 2097, P3 SL.** In Brazil, Ministry of Labor approved as filter class P3 SL. **NOTE:**

1. In Brazil do not use when concentrations of contaminants are greater than 100 times the permissible exposure limit using full facepiece.

2. Do not use in deficient or enriched oxygen atmospheres.

3. Storage, Transportation and Care: store in a clean and dry place and away from contaminants and extreme temperature and humidity.

4. The components of this filter are made of materials which are not expected to cause adverse health effects.

5. It is necessary to have special care to use this product in explosives atmospheres.

**FOR MORE INFORMATION** In United States, contact: Website: www.3m.com/PPESafety Technical Assistance: 1-800-243-4630 For other 3M products: 1-800-3M-HELPS or 1-651-737-6501

**RENSEIGNEMENTS SUPPLÉMENTAIRES** Aux États-Unis : Internet : www.3m.com/PPESafety Assistance technique : 1 800 243-4630 **Autres produits 3M :** 1-800-364-3577 ou 1 651 737-6501

**PARA MAYORES INFORMES** En Estados Unidos: Sitio Web: www.3m.com/PPESafety Soporte técnico: 1-800-243-4630 **Para otros productos 3M:** 1-800-3M-HELPS o 1-651-737-6501

**PARA MAIS INFORMAÇÕES** Nos Estados Unidos, entre em contato com: Website: www.3m.com/PPESafety Assistência Técnica: 1-800-243-4630 **Para outros produtos 3M:** 1-800-3M-HELPS ou 1-651-737-6501

**FOR MORE INFORMATION** In United States, contact: Website: www.3m.com/PPESafety Technical Assistance: 1-800-243-4630 For other 3M products: 1-800-3M-HELPS or 1-651-737-6501

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**PARA MAYORES INFORMES** En Estados Unidos: Sitio Web: www.3m.com/PPESafety Soporte técnico: 1-800-243-4630 **Para otros productos 3M:** 1-800-3M-HELPS o 1-651-737-6501

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**IMPORTANT** Avant de se servir du produit, l'utilisateur doit lire et comprendre les présentes directives d'utilisation et les directives d'utilisation fournies avec les respirateurs à masque complet ou à demi-masque des séries 5000, 6000, 7000 et FF-400. Ces filtres sont approuvés par le NIOSH homologue l'utilisation de ces filtres uniquement avec les respirateurs à masque complet et à demi-masque 3M des séries 5000, 6000, 7000 et FF-400. Conservez ces directives d'utilisation à titre de référence.

**Utiliser pour** Filtres P100 2091 et 2291 contre les particules

- La protection contre les particules solides provenant du traitement des minéraux, du charbon, du minerai de fer, du coton, de la farine et de certaines autres substances.
- La protection contre les particules liquides ou huileuses provenant des aérosols qui n'émettent pas de vapeurs nocives.
- La protection contre les particules métalliques qui émanent du soudage, du brassage, du découpage et d'autres activités qui mettent en cause le chauffage du métal.
- La protection contre les particules radioactives comme l'uranium et le plutonium.
- La protection contre l'amiante.

**Filtres P100 2096 et 2296 contre les particules avec protection contre les concentrations nuisibles de gaz acides\*\***

- La protection contre les particules solides provenant du traitement des minéraux, du charbon, du minerai de fer, du coton, de la farine et de certaines autres substances.
- La protection contre les particules liquides ou huileuses provenant des aérosols qui n'émettent pas de vapeurs nocives.
- La protection contre les vapeurs métalliques qui émanent du soudage, du brassage, du découpage et d'autres activités qui mettent en cause le chauffage du métal.
- La protection contre les particules radioactives comme l'uranium et le plutonium.
- La protection contre l'amiante.

**Filtres P100 2097 et 2297 contre les particules avec protection contre les concentrations nuisibles de vapeurs organiques\*\***

- La protection contre les particules solides provenant du traitement des minéraux, du charbon, du minerai de fer, du coton, de la farine et de certaines autres substances.
- La protection contre les particules liquides ou huileuses provenant des aérosols qui n'émettent pas de vapeurs nocives.
- La protection contre les vapeurs métalliques qui émanent du soudage, du brassage, du découpage et d'autres activités qui mettent en cause le chauffage du métal.
- La protection contre les particules radioactives comme l'uranium et le plutonium.
- La protection contre l'amiante.

**Do Not Use For** Particulate Filter 2091 and 2291, P100

- Do not use for gases and vapors when concentrations are at or above the OSHA PEL, or applicable government regulations, whichever is lower, including those present in paint spraying operations, unless combined with approved chemical cartridges.
- Do not use for sandblasting.

**Particulate Filter 2096 and 2296, P100 with nuisance level acid gas relief\*\***

- Do not use for gases and vapors when concentrations are at or above the OSHA PEL, or applicable government regulations, whichever is lower, including those present in paint spraying operations, unless combined with approved chemical cartridges.
- Do not use for sandblasting.

**Particulate Filter 2097 and 2297, P100 with nuisance level organic vapor relief\*\***

- Do not use for gases and vapors when concentrations are at or above the OSHA PEL, or applicable government regulations, whichever is lower, including those present in paint spraying operations, unless combined with approved chemical cartridges.
- Do not use for sandblasting.

**Do Not Use For** Particulate Filter 2091 and 2291, P100

- Do not use for gases and vapors when concentrations are at or above the OSHA PEL, or applicable government regulations, whichever is lower, including those present in paint spraying operations, unless combined with approved chemical cartridges.
- Do not use for sandblasting.

**Particulate Filter 2096 and 2296, P100 with nuisance level acid gas relief\*\***

- Do not use for gases and vapors when concentrations are at or above the OSHA PEL, or applicable government regulations, whichever is lower, including those present in paint spraying operations, unless combined with approved chemical cartridges.
- Do not use for sandblasting.

**Particulate Filter 2097 and 2297, P100 with nuisance level organic vapor relief\*\***

- Do not use for gases and vapors when concentrations are at or above the OSHA PEL, or applicable government regulations, whichever is lower, including those present in paint spraying operations, unless combined with approved chemical cartridges.
- Do not use for sandblasting.

**Biological Particles** These particulate filters can help reduce inhalation exposures to certain airborne biological particles (e.g. mold, Bacillus anthracis, avian influenza, Mycobacterium tuberculosis, etc.) but cannot eliminate the risk of contracting infection, illness or disease. OSHA and other government agencies have not established safe exposure limits for these contaminants.

**Use Instructions**

- Failure to follow all instructions and limitations on the use of these filters and/or failure to wear the respirator during all times of exposure can reduce respirator effectiveness and may result in sickness or death.
- Before occupational use of these filters, a written respiratory protection program must be implemented meeting all the local applicable requirements. In the U.S., follow OSHA 29 CFR 1910.134 which includes medical evaluation, training and fit testing. In the U.S., users must also comply with applicable OSHA substance specific standards. In Canada, CSA standard Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. In Brazil, follow the requirements of the Respiratory Protection Program of the Ministry of Labor.

3. The airborne contaminants which can be dangerous to your health include those so small that you cannot see them.

4. Leave the contaminated area immediately and contact your supervisor if you smell or taste contaminants or if dizziness, irritation, or other distress occurs.

5. Store the filters and respirator away from contaminated areas when not in use.

6. Dispose of used product in accordance with applicable regulations.

**Use Limitations**

- Do not use if you do not supply oxygen. 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,
  - exceed the 3M recommendations in the "Use For" and "Do Not Use For" sections of these User Instructions,
  - are greater than 10 times the permissible exposure limit (PEL) with half facepiece respirators and full facepiece respirators when quantitatively fit tested, or
  - exceed specific local applicable government regulations (such as OSHA standards in the U.S.) or other applicable government regulations, whichever is lower.

3. Do not alter clean (e.g. vacuum, wash, use compressed air), abuse or misuse these filters and/or respirator.

4. Do not use with beard or other facial hair or other conditions that prevent a good seal between the face and the sealing surface of the respirator.

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 using a half facepiece or 100 times the permissible exposure limit using a full facepiece.

**Time Use Limitations**

- If filters become damaged, soiled or breathing becomes difficult, leave the contaminated area immediately and replace the filters.
- If used in environments containing only air aerosols, dispose of filters after 40 hours of use or 50 days, whichever is first.
- If used for ozone protection (3M 2097 and 2297 P100 Particulate Filter and nuisance level organic vapor), replace filters in accordance with an established change schedule, or earlier if smell, taste or irritation from contaminants is detected.

**Storage Conditions and Shelf Life** Before use, store filters in the original packaging, away from contaminated areas, dust, sunlight, extreme temperatures, excessive moisture and damaging chemicals. When stored in accordance with temperature and humidity conditions specified below, the filter may be used until the "use by" date specified on packaging. Always inspect product and conduct a user seal check before use as specified in the respirator User Instructions. If you cannot achieve a proper seal, do not enter the contaminated area. See your supervisor.

**End of Shelf Life** Use respirators before the "use by" date specified on packaging

**Storage Temperature Range** -20°C (-4°F) to +30°C (+86°F)

**Storage Maximum Relative Humidity** -80% RH

**NIOSH Approved: P100 Particulate Filter** At least 99.97% filtration efficiency against solid and liquid aerosols including oils.

**For Compliance in Brazil NOTE: Particulate Filters 2091, 2096, 2097, P3 SL.** In Brazil, Ministry of Labor approved as filter class P3 SL. **NOTE:**

1. In Brazil do not use when concentrations of contaminants are greater than 100 times the permissible exposure limit using full facepiece.

2. Do not use in deficient or enriched oxygen atmospheres.

3. Storage, Transportation and Care: store in a clean and dry place and away from contaminants and extreme temperature and humidity.

4. The components of this filter are made of materials which are not expected to cause adverse health effects.

5. It is necessary to have special care to use this product in explosives atmospheres.

**FOR MORE INFORMATION** In United States, contact: Website: www.3m.com/PPESafety Technical Assistance: 1-800-243-4630 For other 3M products: 1-800-3M-HELPS or 1-651-737-6501

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**RESEIGNEMENTS SUPPL**

