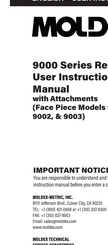
ENGLISH – USER INSTRUCTIONS

9000 Series Respirator User Instruction Manual with Attachments (Figure for Models 9001, 9002, & 9003)



IMPORTANT NOTICE TO USERS

These are important safety and health information, specifications and other information contained in this instruction manual before you enter a contaminated work area. Failure to do so may result in sickness or death.

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Scan QR Code for updates to user manual

This product contains natural rubber latex.

APPLICATIONS

USE AGAINST

1. Contaminants specified on NIOSH approval label, matrix, certificates or filters and in accordance with all applicable safety and health regulations, including OSHA.
2. Contaminants with good warning properties, i.e., smell, taste or irritation.

DO NOT USE AGAINST

1. Concentrations of contaminants which are unknown, or are immediately dangerous to life or health.
2. Concentrations of contaminants which exceed the maximum use concentration or 10X the OSHA Permissible Exposure Limit, (PEL), when qualitative fit tested, or 50x the PEL when quantitatively fit tested (or other government occupational exposure limit), whichever is lower, or according to applicable government regulations.
3. Atmospheres with poor warning properties or those which generate high heats of reaction, or those containing oxygenates.
4. Sandblasting.
5. Oil based mists with N filters.

WARNINGS TO USERS

1. Follow all instructions and warnings on the use of this respirator and wear during all times of exposure. Failure to do so will reduce respirator effectiveness, wearer protection, and **may result in sickness or death.**
2. Per proper use, ask your supervisor or **call +1 (800) 421-0658 or +1 (310) 837-6300, ext. 512/550.**
3. The user must first be trained by the employer in proper respirator use, in accordance with applicable safety and health standards, for the contaminant and exposure level in the assigned work area. A written Respiratory Training Program must be in place and followed by each user before first use. It must meet all requirements of all applicable standards, including OSHA 29 CFR 1910.134, and in Canada CSA Z 94.4-work practices, including, but not limited to, medical evaluation, and applicable OSHA substance specific standards.
4. The vapors, gases, dusts, mists, fumes, and other contaminants which can be dangerous to your health include those which you cannot see, taste, or smell.
5. Check with your supervisor for the appropriate cartridge and/or filters for the contaminants in your workplace.
6. A qualitative fit test for up to 10X PEL, or quantitative fit test, for up to 50X PEL, must be performed before a respirator is assigned. Refer to respirator OSHA 29 CFR 1910.134 (f).
7. This respirator, when combined with the appropriate filter, offers nuisance level relief from organic vapors and/or acid gases. Refer to the Permissible Exposure Limit (PEL). Nuisance level refers to concentrations not exceeding the OSHA PEL or other government occupational exposure limits, whichever is lower.
8. This product contains intake diaphragms made with natural rubber latex.
9. If respirator is subjected to any type of impact, (for example, being dropped or bumped), the user should conduct a Pre-inspection prior to donning and replace if damaged, as provided for in respirator instructions.

RESTRICTIONS

1. This respirator does not supply oxygen and must not be used in atmospheres containing less than 19.5% oxygen.
2. Do not remain in contaminated area if any physical distress occurs, for example breathing difficulty, dizziness or nausea.
3. Leave contaminated area and replace respirator and/or cartridge or filter if it is damaged, distorted, a proper fit cannot be obtained, you taste, smell or become irritated by contaminants, or breathing becomes difficult.
4. Do not modify or alter respirator.
5. Store respirator in sealed bags in a clean, dry, non-contaminated area.
6. Dispose of facepiece, and/or cartridges and disks/filters according to your employer's policy and applicable regulations.
7. N, R or P filters are not for petroleum oils.
8. Where oil mists are present, either alone or in combination with solid particulates, do not use N filters for longer than one eight-hour work shift. Dispose no later than eight hours after first use or 200 mg loading per respirator, whichever comes first. Dispose of P filters after 200 mg of loading per respirator or after 30 days from first use, whichever comes first. Do not exceed 10X or 50X PEL depending on whether the user was quantitatively or qualitatively fit tested Doc Not Use Against, Item 2). It is the user's responsibility to know the PEL and concentration of the contaminant, the maximum work rate of the employee, and any other work site-specific information to calculate the loading of the filter. Where oil mists are present do not use N filters.
9. Where NU oil mists are present, dispose of all cartridges and N, R, and P filters no later than 30 days after first use, and/or removing from sealed package, whichever occurs first.
10. Use cartridges, filters, and facepieces before the "use by" expiration date printed on box or bag.

NIOSH CAUTIONS AND LIMITATIONS

The following are specific to NIOSH Approval Label.

A. Not for use in atmospheres containing less than 19.5% oxygen.
B. Not for use in atmospheres immediately dangerous to life or health (IDLH).
C. Do not exceed maximum use concentrations established by regulatory standards.
D. Follow established cartridge change schedules to ensure that cartridges are replaced before breakthrough occurs.
E. Follow manufacturer's instructions for cleaning and maintenance.
F. Follow the manufacturer's User's Instructions for changing cartridges, and/or filters.
M. All approved respirators shall be selected, fitted, used, and maintained in accordance with NIOSH, OSHA, and other applicable regulations.
N. Never substitute, modify, add or omit parts to the respirator. Use only replacement parts in the configuration as specified by the manufacturer.
P. Refer to manufacturer's instructions and/or maintenance manuals for information on use and maintenance of these respirators.
Q. NIOSH does not evaluate respirators for use as surgical masks.
R. Special or critical User's Instructions and/or specific use limitations apply. Refer to User's Instructions before donning.

S - SPECIAL OR CRITICAL USER INSTRUCTIONS:

Certain particulate filters are approved for use with other contaminants after nuisance level relief from Organic Vapors and/or Ozone and/or Acid Gases that are below the permissible exposure limit (PEL). Nuisance level refers to concentrations not exceeding the OSHA PEL or other governmental occupational limits, whichever is lower.

CAUTION: Do not use these nuisance level filters in place of a chemical cartridge.

TECHNICAL SERVICE LINE

Moldex-Metrics Technical Service Line to answer questions about the use of Moldex respirators, contaminants and regulations. If you have any questions call **+1 (800) 421-0658 or +1 (310) 837-6300, ext. 512 or email at tech@moldex.com.**

SUPPLEMENTAL HAZARD WARNINGS FOR MOLDEX® 9000 SERIES RESPIRATORS

These are **Warnings and Limitations** that all users must be made aware of in addition to all warnings and other information in the Moldex Facility's comprehensive respirator protection program.

Information. **You must read and comply with these Warnings and Limitations at all times** and if your employer has determined that you have the compatibility of an respirator.

Proper use of this respirator may reduce but will not eliminate the risk of illness or death from exposure to some Chemical, Biological, Radiological, or Nuclear (CBRN) hazards. Some of these agents are highly toxic, lethal, and vesicant that can cause death, serious body injury or disfigurement. The long-range and short-range risks of CBRN hazards and the amount and manner of exposure that may produce such risks remain to a great extent unknown. Use of this respirator must be in accordance with the Centers for Disease Control (CDC) Health Advisory or any other Local, State or Federal recommendations for use of respirators against specific CBRN hazards. This respirator should not be used for many CBRN hazards.

There are more efficient models of respirators with a higher level of protection available from Moldex and other manufacturers. Contact Moldex-Metrics at +1 (800) 421-0658 or +1 (310) 837-6300 ext. 512/550, tech@moldex.com, or your Employer, or www.cdc.gov or +1-(800) 232-4636.

VARIATIONS IN EXHALE COVER

Your 9000 respirator may have a different exhale cover that looks like either of these depending on when it was manufactured. The only variation in user instructions is in performing a Positive Pressure User Seal Check. All other user instructions apply equally to both exhale cover versions. (**Fig. A**) or (**Fig B**).

Positive Pressure User Seal Check: Gently cover the exhalation valve vent. The exhalation valve vent could be in the front of the exhalation valve cover (Exhale cover with one vent) or when the respirator was manufactured. Exhale gently to create a slight positive pressure. If air leakage is detected, re-adjust the position of the facepiece and tension of head harnesses and repeat the user seal check until leakage is eliminated (**Fig. 1D**).

WARNINGS: If you cannot obtain a proper fit, do not enter the contaminated area and see your supervisor.

User seal check your respirator each time before you enter and periodically while wearing the respirator in the contaminated area.

It is the responsibility of the Safety Director or your supervisor to assist you in determining how tight the 9000 Series respirators should be on the users face. Prior to and during use the user has the final responsibility to determine how tight the respirator should be and when it needs to be adjusted to always maintain a proper seal. Do not over or under tighten as either may cause leakage and reduce protection.

CARTRIDGES AND FILTERS

STAND ALONE CARTRIDGES

Moldex offers two stand alone cartridge designs: round and semi-rectangular. The round cartridges may be used in combination with Moldex filters using either #7620 or #7620 prepgasket adapter. The semi-rectangular cartridges may be used in combination with Moldex filters using the #7627 prepgasket adapter. Such use may result in sickness or death.

WARNING: Do not attempt to piggyback #7167, #7202, #7267, #7407, #7467, #7507 combo cartridge / filters with any Moldex cartridge. Such use may result in sickness or death.

CHEMICAL CARTRIDGE SERVICE LIFE

Leave contaminated area, and replace cartridges, if you smell, taste, or notice any irritation in your nose or throat. Consult your supervisor. Replace according to your change out schedule per OSHA 1910.134. or no more than eight hours after first use, or sooner if breakthrough occurs.

FILTER SERVICE LIFE

Leave contaminated area and replace filters if they become damaged, soiled, torn, or if you experience increased breathing resistance. Use Restrictions. Where oil mists may be present in the work area you must follow Restrictions #8, #9 and #10 for important restrictions on the use of these filters.

STAND ALONE CARTRIDGE, STAND ALONE FILTER, OR COMBO CARTRIDGE / FILTER ASSEMBLY

Before attaching any cartridge or filter to a mask always inspect the sealing surface of the mask to make sure it is clean and undamaged. Check to see that cartridge retainer gasket is in place and is clean and undamaged. **(Fig 2). DO NOT ATTACH CARTRIDGE OR FILTER WITHOUT A GASKET. SEE YOUR SUPERVISOR.**

Only use cartridges or filter rated beside the cartridge or filter to the facepiece, also the three cartridge or filter numbers must be the same. Place two gaskets protruding from the facepiece and firmly turn cartridge retainer cartridge or filter is locked into position and is unable to turn any further (**Fig. 3**).

Check to see that it is seated and flush against the facepiece. Then check the inhalation diaphragms for dirt or damage and see that they are seated properly.

FIT TESTS

A qualitative fit test for up to 10X PEL, or quantitative, for up to 50X PEL must be performed before a respirator is assigned. Refer to current OSHA 29 CFR 1910.134 (f). Qualitative fit testing can be performed using the Moldex or other appropriate OSHA (or other official regulatory agency) approved fit test kit. Quantitative fit testing can be performed with the Moldex protect cartridge kit. Contact Moldex-Metrics at +1 (800) 421-0658, ext. 512/550 **Doc Not Use Against Item 2). Use only the respirator with a proper fit.**

WARNINGS: If you cannot obtain a proper fit, do not enter the contaminated area and see your supervisor.

Perform a user seal check each time you put on the respirator.

CARTRIDGE CHANGE OUT SCHEDULE WORKSHEET

Date / Job Classification: _____
Location: _____

CHEMICAL INFORMATION (FROM MSDS OR MANUFACTURER)
Chemical: _____
Exposure Limit: _____
Maximum Concentration: _____
Boiling Point: _____
Molecular Weight: _____
Liquid Density: _____
Vapor Pressure: _____
Molecular Polarization: _____
Medium Value: _____

WORKSITE CONDITIONS
Maximum Expected Temperature (°C): _____
Expected Relative Humidity (%)*: _____
Work Rate: _____
Number of Shifts/Week: _____
Hours Cartridge Change Shift: _____
DATA FOR #7000, #7007, #7467, #7507, #7582, #7600, #7607 AND #7667 STANDALONE CARTRIDGES AND COMBO CARTRIDGE / P100 FILTERS

# of Cartridges: _____ 2
#7600 Carbon Weight (grams): _____ 423
#7600 Carbon Height (grams): _____ 36.0
#7600 Carbon Bed Height (cm): _____ 2.18
#7600 & #7600 Inside Diameter (cm): _____ 7.78
#7167 & #7167 Carbon Weight (grams): _____ 48
#7167 & #7167 Carbon Bed Height (cm): _____ 1.42
#7167 & #7167 Carbon Weight & #7167 Bed Height (cm): _____ 85
#7167, #7167, #7167, #7167 & #7167 Inside Diameter (cm): _____ 1.42
#7167, #7167, #7167, #7167 & #7167 Inside Diameter (cm): _____ 8.75

Hours in Use Estimate: _____

Basis Used:
Cartridge Change Out Schedule Every: _____ Hours; _____
After Each Shift: _____
Other: _____

This form may be used to assist you in developing a change out schedule when using #7000, #7007, #7467, #7507, #7582, #7600, #7607 and #7667 cartridges/filters. Consult your supervisor. The above form is simply a tool to help you collect some of the pertinent data in developing a change out schedule. It is your responsibility to ensure the accuracy of the schedules that you develop for each operation and work site.

*Middle suggests that you use a range and use the lowest predicted breakthrough.

CARTRIDGE DETAILS

WHO THIS WARNING FOR:

Those weight loss products (except Ephedra) sold by Ultra Technologies using methods based on their tests. It is important that you use the proper cartridge. Moldex offers cartridges with the proper filter for the other cartridge specific parameters. Lastly, in order for the OSHA exception to be applicable, it is important that the employer has to provide other protection for the challenge agent which may be found on the SDS or from the chemical manufacturer. These methods are not found in **https://www.osha.gov/SLTC/etools/respirator/index.html**

They are called "Respirator Change Schedules." Moldex suggests that you use the OSHA methods, or other means provided by OSHA. Moldex always recommends that you utilize the most conservative (shortest) breakthrough times. Moldex recommends that you use one of the methods only for the contaminants contained in the Moldex Chemical Cartridge Selection Guide. For additional information on these methods, refer to OSHA's website at:

https://www.osha.gov/SLTC/etools/respirator/advisor_genius_nrdl/work_categories.html

https://www.osha.gov/SLTC/etools/respirator/change_schedule_methodsindex.html

For more information on NIOSH multi-vapor program, refer to website at:

http://www.cdc.gov/niosh/topics/respirators/cbrn_chemicals.html

If you have any questions please feel free to call Moldex Technical Services at +1 (800) 421-0658 or +1 (310) 837-6300, ext. 512.

MAINTENANCE

INSPECT PRIOR TO USE

The effective life of the facepiece will be influenced by the use conditions and contaminants to which it is exposed. This includes physical damage, chemical attack, and aging. Inspect the facepiece before each use (observe the rate of deterioration); duration of exposure; ambient temperature; etc. Do not use solvents to wipe or clean the facepiece as these will reduce the life of the respirator and pose a health hazard to the user. If the material shows any signs of cracking, wrinkling, aging, or any separation of flange from lens, then discard the facepiece immediately. Do not expose to high ambient temperatures (above 150° F) as this will distort the facepiece, and may affect fit.

CLEANING FACEPIECE ASSEMBLY

Cleaning is recommended after each use or as often as need frequently if necessary. Remove all filters, cartridges, gaskets, inhalation & exhalation diaphragms, and head harness and nose cup from the facepiece. Gently scrub the facepiece with a soft brush in a mild germicidal detergent; rinse with clean water and air dry. **DO NOT CLEAN WITH SOLVENTS OR EXPOSE TO HIGH AMBIENT TEMPERATURES.** Inspect components and reassemble, or replace respirator if worn, damaged or deformed.

INHALATION & EXHALATION DIAPHRAGMS INSPECTION/CLEANING

Two inhale diaphragms are located behind the nose cup and flange for each of the cartridge retainers. The exhale diaphragm is located under the valve cover. Open the valve cover by pulling on the latch then remove the diaphragm. Gently scrub the diaphragms in a mild detergent solution. Rinse with clean water and air dry. Inspect diaphragms and/or inspection, replace all five diaphragms and check to see that they are properly seated.

Caution: Do not twist the exhale cover. Twisting may result in separation from the exhale assembly. Do not use this facepiece without the exhale cover in place.

REPLACEMENT PARTS

Use only Moldex replacement parts for Moldex respirators.

CLEANING

Respirators should be cleaned after each day's use, or more frequently if necessary. Remove the filters, cartridges, gaskets, inhalation valves, and headstrap from the facepiece. Gently scrub the facepiece with a soft brush in a mild germicidal detergent.

Rinse in fresh water and air dry. Inspect components and reassemble, or replace respirator if worn, damaged or deformed. Use only warm water for hand washing.

WARNING: When cleaning or sanitizing a respirator that has accumulated hazardous contaminants in use, the person responsible for respirator must wear the respirator protection prescribed to ensure that the cleaning person will be protected from inhaling any hazardous contaminants on the mask or masks being cleaned. Caution should be exercised to ensure that such contaminants are not spread over other areas, and that hazardous contaminants when removed from the respirator are properly disposed of. Failure to take these precautions could result in sickness or death depending upon the contaminant. Check with your safety supervisor if you are unsure and always comply with all OSHA 29CFR 1910.134, substance specific standards and your workplace safety and health program.

STORAGE

CAUTION: When not in use or during storage, do not expose respirator to excessive heat (above 150° F / 66° C) or humidity. Do not place respirator in lockers, or storing in any other manner that may also distort the facepiece, may prevent a proper fit and expose you to the risk of sickness or death.

REPLACEMENT PARTS & INSTRUCTIONS

USE ONLY MOLDEX REPLACEMENT PARTS FOR MOLDEX RESPIRATORS.

Nose Cup #9094/9095 – (Fig. 15)

- Remove by pulling the nose cup from center and over the two locating stud heads, located inside.
- Replace by pushing over two locating stud heads in center and ensuring perimeter of cup fits over center locating stud heads. Ensure that nose cup inhalation diaphragm be present and properly in place.

Inhale Diaphragms #9073-1

- Pull off, or push units and under three lug retainer head and seat properly. There are two located on nose cup and four on cartridge retainers.

Exhale Diaphragm #9073-2 – (Fig. 16)

- Open the exhale cover, pull out old diaphragm and discard.
- Insert new diaphragm, ensure that it is seated flat and fully in place.
- Ensure locator pin is fully inserted into diaphragm holder and seat properly.

Order Inhale/Exhale Diaphragm Kit #9073

Gasket #9074 – (Fig. 2)

- #9000 - Pull off old gasket over three bayonet prongs on cartridge retainer and discard.Push new gasket onto retainer and check that it is seated properly.
- #7620 or 7620 Prepgasket Adapters - Pull off and discard. Push new gasket onto retainer and check that it is seated properly.

Head Harness #9092 – (Fig. 18)

- Remove strap by pulling each end of the 4 harness tabs through buckles and discard.
- Install new strap with Moldex logo facing out and up.
- Insert straps into buckles and tighten as needed.

Spectacle Kit #9098
Available for users with prescription eyewear.

Lens Shields #9093
Available for protection of lens against scratching and overspray.

LIMITED WARRANTY

IMPORTANT NOTICE TO PURCHASER

This limited warranty is made in lieu of the warranties of merchantability, fitness for particular purpose, and all other express or implied warranties. Moldex makes no other warranties which extend beyond the description on the face hereof. The physical standards and specifications of Moldex will be met by products sold. **Exclusive Remedies:** damages for the breach of this limited warranty are limited to the replacement of such quantity of Moldex products proved to be defectively manufactured. Except as provided above, Moldex shall not be liable or responsible for any loss, damage, or liability, direct, indirect, incidental, special, or consequential, arising out of sale, use, or misuse, or the inability to use products by the user.

ESPAÑOL – INSTRUCCIONES DEL USUARIO

Manual de Instrucciones del Usuario del Respirador Serie 9000 con Accesorios (Figura de Cara Modelos 9001, 9002 y 9003)

AVISO IMPORTANTE A LOS USUARIOS

Estas son las características de seguridad y salud importantes, especificaciones y demás información contenida en este manual de instrucciones antes de entrar en una zona de trabajo contaminada. No hacerlo puede resultar en enfermedades o la muerte.

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Escanear el código QR para obtener actualizaciones del manual de usuario

Este producto contiene látex de caucho natural.

APLICACIONES

USE CONTRA

1. Contaminantes especificados en la etiqueta de aprobación NIOSH, matriz, certificados o filtros y de acuerdo con todas las limitaciones y normativas de seguridad y salud aplicables, incluido la OSHA.
2. Contaminantes con buenas propiedades de advertencia, es decir, olor, sabor o irritación.

NO USE CONTRA

1. Concentraciones de contaminantes desconocidas o inmediatamente peligrosas para la vida o la salud.
2. Concentraciones de contaminantes que excedan la concentración máxima de uso o 10X el Límite de Exposición Permisible (PEL) de la OSHA cuando se sometió a pruebas cualitativas de ajuste, o 50x el PEL cuando se sometió a pruebas cuantitativas de ajuste (o otro límite gubernamental de exposición ocupacional), el que sea menor, o de acuerdo con las normativas gubernamentales aplicables.
3. Gases o vapores con escasas propiedades de advertencia o que generen calores elevados de reacción, o aerosoles de pintura que contengan isocianatos.
4. Arenado / limpieza con chorro de arena.
5. Neblinas a base de aceite con filtros N.

ADVERTENCIAS PARA EL USUARIO

1. Siga todas las instrucciones y advertencias sobre el uso de este respirador y llévelo puesto durante todo el tiempo de exposición. No hacerlo reducirá la eficacia del respirador, **la protección del usuario y puede resultar en enfermedades o la muerte.**
2. Para un uso adecuado, pregunte a su supervisor o llame al **+1 (800) 421-0658 o al +1 (310) 837-6300, ext. 512/550.**
3. El usuario debe ser entrenado primero por el empleador en el uso adecuado del respirador, de acuerdo con las normas de seguridad y salud aplicables, para el contaminante y el nivel de exposición en el área de trabajo asignada. Debe existir un Programa de Formación Respiratoria escrito que cada usuario debe seguir antes de su primer uso. Debe cumplir todos los requisitos de todas las normas aplicables, incluyendo OSHA 29 CFR 1910.134, y en Canada CSA Z 94.4-prácticas laborales, incluyendo, pero no limitadas a, la evaluación médica, y las normas OSHA específicas para cada sustancia.
4. Los vapores, gases, polvos, nieblas, humos y otros contaminantes que pueden ser peligrosos para su salud incluyen aquellos que no puede ver, saborear o oler.
5. Revise con su supervisor los cartuchos y/o filtros apropiados para los contaminantes de su lugar de trabajo.
6. Debe realizarse una prueba de ajuste cualitativa para hasta 10X PEL, o una prueba de ajuste cuantitativa para hasta 50X PEL, antes de asignar un respirador. Consulte el respirador OSHA 29 CFR 1910.134 (f).
7. Este respirador, cuando se combina con el filtro adecuado, ofrece un alivio de nivel molesto de vapores orgánicos y/o gases ácidos que están por debajo del Límite de Exposición Permisible (PEL). Nivel molesto se refiere a concentraciones que no exceden el PEL de la OSHA u otros límites ocupacionales del gobierno, según sea el caso menor.
8. Este producto contiene diafragmas inhalables fabricados con látex de caucho natural.
9. Si el respirador está sometido a cualquier tipo de impacto, por ejemplo, una caída o un golpe, el usuario debe realizar una inspección previa antes de ponérselo y sustituirlo si está dañado, tal y como se indica en estas instrucciones.

RESTRICCIONES

1. Este respirador no suministra oxígeno y no debe utilizarse en atmósferas que contengan menos del 19,5% de oxígeno.
2. No permanezca en la zona contaminada si se produce algún malestar físico, por ejemplo dificultad para respirar, mareos o náuseas.
3. Abandone la zona contaminada y sustituya el respirador y/o el cartucho o el filtro si está dañado, deformado, no se puede obtener un ajuste adecuado, siente el sabor, el olor o la irritación de los contaminantes, o la respiración se hace difícil.
4. No modifique o altere de ningún modo el respirador.
5. Guarde el respirador en una bolsa sellada en un lugar limpio, seco y no contaminado.
6. Deseche la mascarilla y/o los cartuchos y discos/filtros de acuerdo con la política de su empresa y la normativa aplicable.
7. Los filtros N, R y P no son para aceites.
8. Cuando haya neblinas de aceite, ya sea por sí mismas o en combinación con partículas sólidas, no utilice filtros N durante más de una jornada de trabajo de ocho horas. Deseche a más tardar ocho horas después del 1er uso o con carga de 200 mg por respirador, lo que ocurra primero. Deseche los filtros P después de una carga de 200 mg por respirador o después de 30 días desde el primer uso, lo que ocurra primero. No exceda 10X o 50X PEL dependiendo de si el usuario fue sometido a una prueba de ajuste cuantitativa o cualitativa (consulte No utilizar en contra, elemento 2). Es responsabilidad del usuario conocer el PEL y la concentración del contaminante, el ritmo máximo de trabajo del empleado, y cualquier otra información específica del lugar de trabajo para calcular la carga del filtro. Cuando haya neblinas de aceite, no utilice filtros N.
9. Cuando haya neblinas de aceite, deseche todos los cartuchos y filtros N, R y P a más tardar 30 días después de su primer uso, y/o de sacarlos del envase sellado, lo que ocurra primero.
10. Utilice los cartuchos, filtros y mascarillas antes de la fecha de caducidad "usar antes de" impresa en la caja o bolsa.

INSTRUCCIONES PARA LOS CARTUCHOS Y FILTROS

Estas son específicas para la etiqueta de aprobación NIOSH.

A. No debe utilizarse en atmósferas que contengan menos del 19,5% de oxígeno.
B. No para uso en atmósferas inmediatamente peligrosas para la vida o la salud.
C. No exceda las concentraciones máximas de uso establecidas por las normas reguladoras.
D. Siga los calendarios de cambio de cartuchos establecidos para asegurarse de que los cartuchos se sustituyen antes de que se produzca la ruptura.
E. El uso y mantenimiento inadecuados de este producto puede resultar en lesiones o la muerte.
F. Siga las instrucciones del fabricante para el cambio de cartuchos, y/o filtros.
M. Todo respirador aprobado debe ser seleccionado, medido, usado, y mantenido en acorde con NIOSH, OSHA, y otras regulaciones aplicables.
N. Nunca sustituya, modifique, añada o omita piezas. Utilice únicamente piezas de repuesto en la configuración especificada por el fabricante.
P. Consulte las instrucciones de uso y/o los manuales de mantenimiento para obtener información sobre el uso y mantenimiento de estos respiradores.
Q. NIOSH no evalúa los respiradores para su uso como mascarillas quirúrgicas.
S - Aplicar Instrucciones del Usuario especiales o críticas y/o limitaciones de uso específicas. Consulte las instrucciones del usuario antes de ponerse el respirador.

S - INSTRUCCIONES ESPECIALES O CRÍTICAS USUARIO:

Ciertos filtros de partículas para su uso con otro respirador checan un alivio del nivel de molestia de los vapores orgánicos y/o ozono y/o gases ácidos que están por debajo del límite de exposición permitido (PEL). Nivel molesto se refiere a las concentraciones que no superan el PEL de la OSHA u otros límites ocupacionales, el que sea inferior.

PRECAUCIÓN: No utilice estos filtros de nivel molesto en lugar de un cartucho químico.

LÍNEA DE SERVICIO TÉCNICO

Línea de Servicio Técnico de Moldex-Metrics para responder a preguntas sobre el uso de los respiradores Moldex, los contaminantes y las normativas. Si tiene alguna pregunta llame al **+1 (800) 421-0658 o al +1 (310) 837-6300, ext. 512 o envíe un correo electrónico a: tech@moldex.com.**

ADVERTENCIAS DE RIESGO SUPLEMENTARIAS PARA LAS MASCARILLAS RESPIRATORIAS DE LA SERIE 9000 MOLDEX

Advertencias y Limitaciones que todos los usuarios deben conocer, además de todas las advertencias y demás información en el programa de protección respiratoria de la instalación de su empleador.

Información. **Debe leer y cumplir estas Advertencias y Limitaciones en todo momento** y si su empleador ha determinado que tiene la compatibilidad de un respirador.

El uso adecuado de este respirador puede reducir pero no eliminar el riesgo de enfermedad o muerte por exposición a algunos peligros químicos, biológicos, radiológicos o nucleares (CBRN). Algunos de estos agentes son muy tóxicos, letales, y vesicantes que pueden causar la muerte, lesiones corporales graves o desfiguración. Los riesgos de largo y corto alcance de los peligros CBRN y la cantidad y manera de exposición que puede producir dichos riesgos siguen siendo en gran medida desconocidos. El uso de este respirador debe ser de acuerdo con los avisos de Centros para el Control y la Prevención de Enfermedades (CDC) o cualquier otra recomendación local, estatal o federal para el uso de respiradores contra peligros CBRN específicos. Este respirador no debe utilizarse para muchos peligros CBRN.

Existen modelos más eficientes de respiradores con un mayor nivel de protección disponibles en Moldex y otros fabricantes. Contacte con Moldex-Metrics en +1 (800) 421-0658 o +1 (310) 837-6300, ext. 512/550, tech@moldex.com, su empleador o www.cdc.gov o +1-(800) 232-4636.

VARIACIONES EN LA CUBIERTA DE EXHALACIÓN

Su respirador 9000 puede tener una cubierta de exhalación diferente que se parezca a cualquiera de estas dos dependiendo de cuándo fue fabricado. La única variación en las instrucciones para el usuario es referir a la instrucción de una revisión del sellado del usuario de presión positiva. Todas las demás instrucciones de uso se aplican por igual a ambas versiones de la cubierta de exhalación (**Fig. A**) o (**Fig. B**).

Presión positiva del sello del usuario: Cubra suavemente el respirador de la válvula de exhalación. El respirador de la válvula de exhalación puede estar en la parte delantera o en la parte inferior de la cubierta de la válvula de exhalación, dependiendo de cuándo se fabricó el respirador. Exhale

ADVERTENCIAS PARA LOS USUARIOS

1. Use este Selección Guide to help you select the correct respirator and/or cartridges and/or filters for the contaminant in your work area. Check with your supervisor to determine if you have the correct protection. Refer to the NIOSH Guide for advice using NIOSH, CGI, or **(800) 421-0658 or +1 (310) 837-6300, ext. 512/550** for a copy of the selection guide or you may access via website at www.moldex.com.

FACEPIECE ONLY	
Description	Model # / Size
Facepiece Assembly including Head Strap Harness and Inhale/Exhale Diaphragms and Nosecup	9000 S 9002 M 9003 L

RETAINERS/ADAPTERS	
Description	Model #
Retainer	7020
Splash/Sparks Protector	7880 [1] / 7995 [2]
Piggyback Adapter	7820 [1] / 7920 [2] / 7927 [3]

REPLACEMENT CARTRIDGES	
Description [1]	Model #
Organic Vapor/Acid Gases	7200 / 7267
Acid Gases	7200 / 7267
Organic Vapors/Acid Gases	7200 / 7267
Ammonia/Methylamine	7400 / 7467
Formaldehyde	7500 / 7507
Multi-Gas/Vapor Smart Cartridge	7600 / 7607
P100 Particulates	7995

PIGGYBACK CARTRIDGE/FILTER ASSEMBLY	
Description [2]	Model #
Organic Vapor/P100	7140
Multi-Gas Vapor/P100	7940

COMBO GAS/VAPOR CARTRIDGES/P100 FILTER	
Description [3]	Model #
Organic Vapor/P100	7167
Organic Vapor/Acid Gases/P100	7267
Ammonia/Methylamine/P100	7467
Formaldehyde/P100	7567
Multi-Gas/Vapor/P100	7967

DISK/FILTER SERIES	
Description	Model #
N95 Particulates	7699 / 8699 [1]
R95 Particulates	8097 [2]
P100 Particulates	7746 [3] / 7746A [4] / 7946 [5]
P100 Particulates Plus Nuisance O.V./A.G. [3]	7756 [3] / 7756A [4] / 7956 [5]
Particulates P100 mais Molestia O.V. [3]	7766 [3] / 7766A [4] / 7966 [5]

PARTES DE REMPLAZO DEL MODELO SERIE 9000	
Descripción	Modelo #
Conjunto de correas para la cabeza	0092
Diafragmas de exhalación de reemplazo	0073
Juntas de reemplazo	0074
Protectores de cuerda facial	0094
Diafragmas inhalación	0094
Copa nasal P	0095
Juego para arnejos	9098

PIÈCES DE REMPLACEMENT SÉRIES 9000	
Description	Modèle #
Demi-masque intérieur P	0095
Ensemble spectacle	0098

Voir l'étiquette séparée (matrice) pour les approbations 42 CFR ou NIOSH

- Se referer à l'étiquette NIOSH pour les limites d'approbation.
- Ne peuvent être utilisés avec les cartouches de gazes/vapeur NIOSH, #7200, #7300, #7400, #7500, #7600.
- Protection contre les vapeurs organiques (inférieure au PEL de l'OSHA).
- Il utilise avec les filtres #7167 et #7267 pour les vapeurs organiques inférieures.
- Il utilise uniquement avec les filtres #7740/#7740+/#7750/#7750+/#7760/#7760+/#7990, contre les aérosolisations non huileuses.
- Il utilise uniquement avec #7940 / #7940.
- Outsource (N/A) (non pour OSHA PEL).
- Il utilise uniquement avec #7940.
- Outsource (N/A) (non pour les cartouches de gaz/vapeur #7167, #7267, #7367, #7467, #7567, #7667.

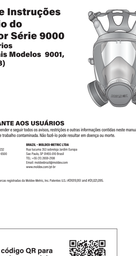
PRE-INSPECTION

Inspecter votre masque de protection respiratoire avant et après l'avoir porté. Ne le portez pas et retournez le à votre superviseur dans les cas suivants:

- Des fissures ou des fuites apparaissent dans le masque, le joint d'étanchéité ou le masque lui-même.
- Le masque est fissu

MOLDEX

Manual de Instruções do Usuário do Respirador Série 9000 com Acessórios (Peças Faciais Modelos 9001, 9002, & 9003)



Certified Product

Australian Standard AS/NZS 1715:2009 SAA Global

IMPORTANT NOTICE TO USERS

You are responsible to understand and follow all warnings, restrictions and other information contained in this instruction manual before you enter a contaminated work area. Failure to do so may result in sickness or death.

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Email: info@moldex-metric.co.uk www.moldex.co.uk

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Toll: +61 (02) 9873 4666
Email: sales@moldex-metric.com.au
www.moldex.com.au

Scan QR Code for updates to user manual

This product contains natural rubber latex.

LIST OF PARTS FOR 9000

9001 - Small **9002** - Medium **9003** - Large

Part #	Description
0073-1	Inhale Diaphragm
0073-2	Exhale Diaphragm
0074	Cartridge Retainer Gasket
0092	Head Harness
0094	Nose Cup M/L
0095	Nose Cup S

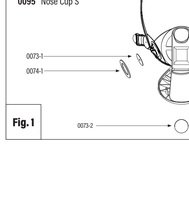

Fig. 1

APPLICATIONS

USE AGAINST

1. Substâncias contaminantes especificadas nos rotulos das embalagens descartáveis e filtros, conforme normas vigentes.
2. Contaminantes com boas propriedades de alerta, os seja, cheiro, sabor ou irritação.

NÃO USAR CONTRA

1. Concentrações de substâncias contaminantes desconhecidas ou consideradas Imediatamente Perigosas à Vida e à Saúde (IDLH).
2. Concentrações de substâncias contaminantes que excedem a máxima concentração de uso do Limite de Tolerância Operacional, quando tratado quantitativamente, ou 10 vezes o Limite de Tolerância Ocupacional, quando tratado qualitativamente, não poderem ser ultrapassadas (ou de acordo com os regulamentos aplicáveis pelo governo 100 vezes o Limite de Tolerância no Brasil).
3. Gases ou vapores com baixas propriedades de advertência ou aqueles que geram altas temperaturas de reação, ou sprays de pintura que contenham isocianatos.
4. Ambientes IDLH.
5. Nenhum X-Base de cinco com filtros 3.

ADVERTÊNCIAS AO USUÁRIO

1. Siga todas as instruções e avisos sobre o uso deste respirador e desgaste durante todos os períodos de exposição. Se não o fizer, reduzirá a eficácia do respirador, a proteção do usuário e **poderá resultar em doença ou morte.**
2. Para uso adequado, peça a seu supervisor ou ligue para **(19) 2101-0602**.
3. O usuário deverá ser treinado pelo empregador para o uso adequado do respirador, de acordo com as normas de segurança e saúde aplicáveis, o nível de exposição e de substâncias contaminantes atribuídas na área de trabalho. Deve existir no local um Programa de Proteção Respiratória, o qual deve ser seguido pelo usuário. Isto deve seguir todas as exigências e normas aplicáveis, incluindo a IN-01 do Fundacentro do Ministério do Trabalho, tais como: treinamento, avaliação física, avaliação médica e as normas aplicáveis para substâncias específicas.
4. Os vapores, gases, poeiras, névoas, vapores e outros contaminantes que podem ser perigosos para sua saúde incluem aqueles que não pode ver, provar ou cheirar.
5. Verifique com seu supervisor se as cartuchos e/ou filtros apropriados para os contaminantes em sua área de trabalho.
6. Uma avaliação física qualitativa ou quantitativa deve ser aplicada antes da atribuição de um respirador.
7. Este respirador , quando combinado com o filtro apropriado, oferece alívio a odores (Ex: odores de vapores orgânicos) abaixo do Limite de Exposição permitido. Nível de incômodo inferior a concentrações que não excedam a metade do limite de exposição ocupacional estabelecida pelas normas de segurança. Quando houver níveis diferentes, utilize o que for menor.
8. Este produto contém ditiocarbamato de inoculação feitos com látex de borracha natural.
9. Se a resposta a irritação ocorrer, pare de usar o respirador e substituir.
10. O usuário deve realizar uma Pré-Inspeção antes de dose e substituir se danificado, como previsto nestas instruções.

Escaneie o código QR para atualizações do manual do usuário

RESTRIÇÕES

1. Este respirador não fornece oxigênio e não deve ser usado em atmosferas que contenham menos do 19.5% de oxigênio.
2. Não permanecer em área contaminada caso ocorra qualquer dano físico, como dificuldade para respirar, tonturas ou náusea.
3. Abandone a área contaminada e substitua o respirador e/ou cartuchos ou filtros caso os menores estejam danificados, alterados, não seja possível obter um ajuste adequado, você sinta gosto/ cheiro ou alguma irritação proveniente de substâncias contaminantes ou caso respiração se torne difícil.
4. Não Altere, modifique ou use individualmente este respirador.
5. Guarde o respirador em embalagem fechada e mantenha-o em ambiente limpo, seco e não contaminado.
6. Descarte a peça facial e/ou cartuchos e filtros de acordo com as instruções do seu empregador e legislação vigente.
7. Os filtros 3.x.x.SL são inicialmente na estéticas de partículas.
8. Onde estiquem presentes níveis de dieso, sucoinha ou em combinação com partículas sólidas, não utilize filtros 3.x.x.SL pois mais do um turno do trabalho do seu horas. Descarte no máximo oito horas após o primeiro uso ou carga de 200 mg por respirador, o que acontecer primeiro. Descarte o restante do filtro 3.x.x.SL e um novo par respirador no após 30 dias do primeiro uso, o que acontecer primeiro. Não exceda 10X PEL (Limite de Exposição Permissível). É responsabilidade do usuário conhecer a PEL e a concentração de contaminantes, a taxa máxima de trabalho do respirador e qualquer outras informações específicas do local de trabalho para calcular a carga do filtro. Onde estiquem presentes níveis de dieso, não use filtros 3.
9. Elimine todos os cartuchos ou filtros 3 no máximo depois de 30 dias a(do primeiro uso e/ou 1(da sua remoção da embalagem fechada.
10. Utilize cartuchos, filtros e peças faciais antes da data de vencimento impressa na caixa ou embalagem.
11. Não há restrições para o uso com outro EPI desde que não interfiram com o selo pedaço facial. Certifique-se de que a vedação entre o respirador e o rosto tem nenhuma interferência.

COMPOSIÇÃO

1. Policarbonato, Elastômero termoplástico, plástico resistente a temperatura, silicone e borracha natural.

ADVERTÊNCIAS E LIMITAÇÕES

As seguintes restrições por ser aplicadas.

1. Não para uso em atmosferas que contenham menos de 19,5% de oxigênio.
2. Não para uso em atmosferas imediatamente perigosas para a vida ou saúde.
3. Não exceder as concentrações máximas de uso estabelecidas por normas regulamentares.
4. Sequer os concentragens de traca de cartuchos estabelecidas para garantir que os cartuchos sejam substituídos antes que a vapores cheguem.
5. A não utilização e manutenção adequada deste produto pode resultar em ferimentos ou morte.
6. Siga as instruções do fabricante para troca de cartuchos e/ou filtros.
7. Todos os respiradores aprovados devem ser selecionados, instalados, usados e mantidos de acordo com as recomendações aplicáveis.
8. Nunca substituir, modificar, adicionar ou omitir peças. Usar somente peças de reposição exatas na configuração, conforme especificadas pelo fabricante.
9. Consulte as instruções do usuário e/ou manuais de manutenção para obter informações sobre o uso e manutenção deste respirador.
10. A NIOSH não avalia os respiradores para uso como máscaras cirúrgicas.
11. Aplicação: Informações específicas do cliente/ do usuário e/ou limitações de uso específico. Consulte as Instruções de Usuário antes de usar.

5 - INSTRUÇÕES DE USO ESPECIAIS OU CRITICAS:

Alguns filtros de partículas e gases com respirador oferecem alívio do nível de incômodo dos vapores orgânicos e/ou odores/ou ácido e/ou gases ácidos que estão abaixo do limite de exposição permissível. O nível de protação refere-se a concentração que não excedam o nível de ação ou outros limites ocupacionais governamentais, o que for mais baixo.

CUIDADO: Não utilize estes filtros de nível de incômodo no lugar de um cartucho químico.

LINHA DE SERVIÇOS TÉCNICOS

Moldex mantém uma Linha Técnica gratuita para responder perguntas sobre o uso de respiradores Moldex, contaminantes e regulamentos. Se você tiver alguma dúvida, ligue para (1 2101-0602 envie um e-mail para: techgroup@moldex.com

AVISOS DE PERIGO SUPLEMENTARES PARA RESPIRADORES DE PARTÍCULAS MOLDEX®

Estes são **Avisos e Limitações** que todos os usuários devem estar cientes, além de todos os avisos e outras informações na parte externa da embalagem do respirador Moldex ou outras informações relacionadas à utilização. **Você deve ler e cumprir estas Advertências e Limitações o tempo todo** e se seu empregador tiver determinado que é apropriado usar este respirador.

O uso adequado deste respirador pode reduzir mas não eliminará o risco de doença ou morte por exposição a alguns perigosos Químicos, Biológicos, Radiológicos ou Nucleares (CBRN). Os riscos CBRN incluem, mas não estão limitados a bactérias, toxinas e vírus que podem causar morte, lesões corporais graves ou deslingamição. Os riscos de longo e curto alcance de riscos CBRN e a quantidade e a forma de exposição que podem produzir sob riscos permanecem em grande parte desconhecidos. O uso deste respirador deve estar de acordo com o Centers for Disease Control (CDC) Recommendations or other applicable or more stringent recommendation local, estadual ou federal para o uso de respiradores contra riscos específicos CBRN. Este respirador não deve ser usado para muitos perigos CBRN.

Existem modelos mais eficientes de respiradores com um nível de proteção mais elevado disponíveis da Moldex e de outros fabricantes. Cabe ao empregador, e não à Moldex, determinar se um respirador deve ser usado e, em caso afirmativo, que tipo, tamanho, nível de proteção e modelo.

You should know that there may be no obvious warnings of the presence or release of CBRN hazards.

WARNINGS FOR ALL USERS

- This respirator must only be used for substances having Workplace Exposure Standards and only where deemed appropriate by your employer.
- This respirator must only be used for substances having Permissible Exposure Limits (PELs) and only where deemed appropriate by your employer.
- This respirator must not be fitted tight if you cannot obtain a proper fit, do not use the respirator and do not enter the risk area.
- This respirator is not for use with beards or other facial hair that prevents direct contact between the face and sealing surface of the respirator.
- Moldex respirators, when properly fitted and used as part of a comprehensive respiratory protection program, should reduce wearer exposure to some airborne hazards, but not all.
- In the event of a sudden or unexpected CBRN hazard release, you may use this respirator for escape only if you have not been provided with a more appropriate respirator for this type of situation. Do not remove the mask from the face until you have left the contaminated area.
- Do not remove or alter the respirator while being around neck unless your employer specifically authorizes reuse. Dispose of respirator as a hazardous waste in accordance with your employer's directions.
- Use other personal protective equipment, as directed by your employer. Where appropriate use protective gloves when handling or removing respirator and disposal of respirator and then gloves and other equipment as directed by your employer.
- If a Local, State or Federal Government agency issues new or revised guidelines for respirator use against specific hazards, users must strictly comply.

WARNINGS FOR USE OF PARTICULATE RESPIRATORS AGAINST BIOHAZARDS

OSHA and CDC have recommended the use of any of the particulate respirators approved under 42CFR84 (please consult AS/NZS 1716) as a means of providing help in complying with a program designed to reduce occupational exposure to biohazards including but not limited to tuberculosis, COVID-19 or other airborne biological hazards.

The level of effectiveness of respiratory protection from biohazards cannot be determined with currently available data. However, proper use of appropriate Moldex respirators in conjunction with a comprehensive respiratory protection program, including but not limited to fit testing, may reduce, but will not eliminate, risk of infection.

- Be sure to read the Limitations outlined below and strictly follow all Warnings set forth under the section "WARNINGS TO USERS".
- When using Moldex respirators, filter replacement and/or disposal must be handled in accordance with your Healthcare Facility's comprehensive respiratory protection program.
- If disinfectants are used to sanitize reusable facepieces, you must consult with your Healthcare Facility and run tests to ensure the compatibility of any disinfectant with Moldex reusable facepiece materials. Use of disinfectants could impair the efficiency of the respirator and result in a loss of protection.

LIMITATIONS

- **Respirators may reduce but do not eliminate wearer exposure to airborne hazards or the risk of contracting any disease or infection. Only use this respirator as part of a comprehensive respiratory protection program. You will receive no respiratory protection if this respirator is not properly fitted and worn. Additionally, potentially hazardous particles, including infectious agents, smaller than the particle sizes used in NIOSH certifications are likely to exist in certain environments. Some published data indicates that these smaller particles may not be filtered out as effectively as the particle sizes used by NIOSH (N Series Count Median Diameter (CMD) 0.075 ± .02µm Geometric Standard Deviation 1.86 (GSD), and R Series CMD 0.08 ± .02µm 1.6 (GSD) but when certifying respirators. It is prudent that you determine the size and potential hazards of the particles that may be present in the environment before selecting appropriate respiratory protection, and that you refer to CDC guidelines when selecting and using any respirator, particularly in environments where infectious agents may be present. Do not use this respirator for protection against gases.**
- **If the respirator comes in contact with blood or fluids, including body fluids, leave contaminated area as soon as possible and discard and replace the respirator.**
- **Moldex respirators must not be used on children.**

For further information on use of respirators contact Moldex at: **+1 (800) 421-0660 or +1 (310) 837-6500 ext. 512, techgroup@moldex.com, your Employer, or www.cdc.gov or +1 (800) 232-4636.**

VARIATIONS IN EXHALE COVER

Your 9000 respirator may have an exhale diaphragm that looks like either of those depending on when it was manufactured. The only variation in user instructions is in performing a Positive Pressure User Seal Check. All other user instructions apply equally to both exhale cover versions (**Fig. A** or (**Fig. B**.

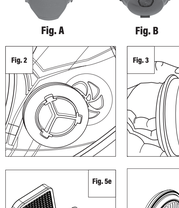

Fig. A Fig. B

PRE-INSPECTION

Inspect your respirator before and after wearing. Do not wear, and return to your supervisor if:

1. Head straps are torn, cut, or have lost elasticity.
2. Buckles or head cradle are missing, damaged or broken.
3. Facepiece is cracked, torn, distorted, dirty, or has holes.
4. Inhalation/Exhalation diaphragms are missing, torn, damaged, or not properly seated.
5. Cartridges are at the end of their service life, cracked, damaged, or not properly seated.
6. Any other plastic part is cracked, distorted, or damaged.

SELECTION GUIDE

Use this Selection Guide to help you select the correct respirator and/or cartridges and/or filters for the contaminant in your work area. Check with your supervisor to determine if you have the correct protection. Call **+1 (310) 837-6500, ext. 512** for a copy of the selection guide or you may access via website at www.moldex.com.

NIOSH CERTIFICATE ONLY			
Description	Model#	Size	
Facepiece Assembly including Head Strap Harness and Inhale/Exhale Diaphragms	9001	S	
	9002	M	
	9003	L	

RETAINERS/ADAPTERS	
Description	Model #
Retainer	7020
Splash/Sparks Protector	7000[1] / 7999[2]
Piggyback Adapter	7620[1] 7920[2] 7922[3]

REPLACEMENT CARTRIDGES		
Description[1]	Model #	Approval
Organic Vapour	7005A / 7107A	A1
Organic Vapour	9050A	A2
Multi Gas/Vapour Smart® Cartridge	7600A / 7607A	AS9E3K2
P3 Particulates	7995A	P2/P3[2]

PREFILTER CARTRIDGE/FILTER ASSEMBLY	
Description[1]	Model #
Multi-Gas/Vapour Smart® P3 Piggyback/Filter Assembly - AS9E3K2KP3	9640A

COMBO GAS/VAPOUR CARTRIDGES / P3/P3 FILTER
Description[1]	Model #
Organic Vapor/P3 Combo Cartridge - A1P3	7107A
Multi-Gas/Vapor/P3 Combo Cartridge - AS9E3K2P3	7607A

DISK/FILTER SERIES	
Description[1]	Model #	Approval
P3 Particulates	7916A / 8004[2]	P3
P3 Particulates	7192A / 7194A + 7965A	P2/P3[2]
P3 Particulates Plus Nuisance O3	7193A / 7195A + 7966A	P2/P3[2]

9000 REPLACEMENT PARTS	
Description	Model #
Head Harness Replacement Kit	0092
Replacement Diaphragm Kit	0073
Replacement Gaskets	0074
Nose Cup Assembly	0095
Nose Cup M	0094
Nose Cup S	0095
Spectacle Kit	0098

○ Refer to label for approval limitations.
○ Can only be used with 4700BA / 4900BA gas/vapour cartridges.
○ P2 approval when used with 7000 or 7003 Series half mask.
○ P3 approval when used with 9000 Series full face mask.
○ For use with 4799A/7990A filters, against splash/sparks.
○ Nuisance Vapour (less than Occupational Exposure Limit).
○ For use with 4700AA/4700AA+7190AA/4700BA+7195AA filters only.
○ For use with 4700AA in combination with a gas vapour cartridge only.
○ For use with 4770AA/4770AA + or 4794QA in combination with a gas vapour cartridge only.
○ Can only be used with 4700TA, 4700TA gas/vapor cartridges.

○ Some parts are not compatible with Moldex respirators.
○ User inaccurate & prone to gas/vapor breakthrough.
○ Pude ser usado com 4700AB, 4700B e 4790CB contra respiração/faíscas.
○ Someente para uso com filtros 4774AB / 4774AB+ / 4775AB /4775AB+ / 4776AB / 4776AB+ / 4795AB, contra respiração/faíscas.
○ Somente para uso com 4794AB.
○ Máxima Concentração de uso mL/m3 = ppm x MW / 24.45 x 10.
○ Somente para uso com 4740, 4740B+ e 4794B.
○ Somente para uso com cartuchos gás/vapor 4770T, 4770T, 4770T, 4774T,4775T,4776T.

APENAS PEÇAS FACIAIS		
Descrição	Modelo #	Tamanho
Montagem da Peça Facial incluindo Cinta de Cabeça, Arnês e Válvulas de Inalação/Exalação	9001	P - Pequeno
	9002	M - Médio
	9003	G - Grande

FILTROS QUÍMICOS			
Modelo #	Classe	Máxima Concentração de uso mL/m3	Descrição

WARNINGS FOR USE OF FILTERS

- Do not use if the seal between the cartridge/filter and the facepiece is broken or damaged.
- Do not use if the cartridge/filter is damaged or if you cannot obtain a good seal.
- Do not use if you cannot obtain a good seal between the cartridge/filter and the face.
- Do not use if you cannot breathe easily through the cartridge/filter.
- Do not use if you cannot smell, taste or detect any irritation, in your nose or throat. Consult your supervisor. Replace according to your change out schedule, or no more than eight hours after first use, or sooner if breakthrough occurs. Reference your local government regulations.

WARNING: Do not attempt to piggyback 4781A, 4781A combo cartridge / filters with any Moldex cartridge. Such use may result in sickness or death.

FILTER SERVICE LIFE

Leave contaminated area and replace filters if they become damaged, soiled, torn, or if you experience increased breathing resistance, dizziness, nausea or other adverse effects while wearing the respirator. Do not remove the mask from the face until you have left the contaminated area.

STAND ALONE CARTRIDGE, STAND ALONE FILTER, OR COMBO CARTRIDGE / FILTER ASSEMBLY

Before attaching any cartridge or filter to a mask always inspect the sealing surface of the mask to make sure it is clean and undamaged. Check to see that cartridge retainer gasket is in place and is clean and undamaged. (**Fig 2**); **DO NOT ATTACH CARTRIDGE OR FILTER WITHOUT A GASKET. SEE YOUR SUPERVISOR.**

Only use cartridges or filter from sealed bags. To attach the cartridge or filter to the facepiece, align the three cartridge or filter disk notches with the three bayonets protruding from the facepiece and firmly turn clockwise until cartridge or filter is locked into position and is unable to turn any further (**Fig. 3**).

Check to see that it is seated and flush against the facepiece. Then check the inhalation diaphragms for dirt or damage and see that they are seated properly.

When using a semi-rectangular filter, ensure that the contoured end of the filter is towards the front of the filter points forward, away from the wearer (**Fig. 4a, 4b**).

When using a combo cartridge / filter, ensure that the contoured end of the combo cartridge / filter is towards the front of the face and facepiece (**Fig. 4c, 4d**).

ATTENTION: Prior to use, check the inhalation and exhalation diaphragms for dirt or damage and see that they are properly seated.

Positive Pressure User Seal Check: Gently cover the exhalation valve vent. The exhalation valve vent could be on the front or at the bottom of the exhalation valve cover depending on when the respirator was manufactured. Exhale gently to create a slight positive pressure. If air leakage is detected, re-adjust the position of the facepiece and tension of head harness and repeat the user seal check until leakage is eliminated (**Fig. 13**)

WARNINGS: If you cannot obtain a proper fit, do not enter the contaminated area and see your supervisor.

Use seal check your respirator each time before you enter and periodically while wearing the respirator in the contaminated area.

It is the responsibility of the Safety Director or your supervisor to assist you in determining how tight the 9000 Series respirators should be on the users face. Prior to and during use the user has the first responsibility to determine how tight the respirator should be and when it needs to be adjusted to always maintain a proper seal. Do not over or under tighten as either may cause leakage and reduce protection.

FITTING INSTRUCTIONS

1. Users must follow instructions each time respirator is worn.
2. Federal or local regulations or your employer may require that the user be fit tested. AS/NZS 1716 recommends fit testing.
3. Do not wear with any facial hair, such as beards, or any other facial features which may prevent a proper fit.
4. If you cannot obtain a proper fit, do not enter the contaminated area and see your supervisor.

DONNING – PUTTING ON

1. Grab lower lengths of head harness with each hand, just above each adjustment buckle, and while positioning chin in facepiece, pull harnesses over the head (**Fig. 5**).
2. Push facepiece onto face and chin with one hand and position for most comfortable and secure seal while pulling and tightening neck tab of harness with other hand. Repeat for other neck tab. For easiest, most secure and best fit always adjust neck harness tabs first before tightening top harness tabs (**Fig. 6**).
3. All four harness tabs must be adjusted so that the pressure of the face seal on the face is distributed evenly. Head harness must lay flat on head. Adjust both lower and top harness tabs evenly for most comfortable and leak-tight fit of the face flange.

DOFFING – TAKING OFF

To take off, first pull lower/neck harness tabs away from face to loosen harness straps, then pull chin area away and upwards from face (**Fig. 7**)

FIT TESTS

A qualitative or quantitative fit test must be performed before a respirator is assigned. Qualitative fit testing can be performed using the Moldex Bitter fit test kit with appropriate cartridges or filters. Quantitative fit testing can be performed with probed cartridge kit. Call Moldex at **+1 (310) 837-6500, ext. 512/550 for details or access our website at www.moldex.com.**

USER SEAL CHECK

Perform both a negative and positive user seal check each time before you enter a contaminated area.

NOTE: When using a Splash/Spark Protector, remove prior to performing the negative pressure user seal check.

Negative Pressure User Seal Check: Cover both cartridges, filters or retainers and gently inhale and hold your breath. The facepiece should slightly collapse. If air leakage is detected, re-adjust the position of the facepiece and increase tension of head harness and repeat the user seal check until leakage is eliminated (**Fig. 8**).

Positive Pressure User Seal Check: Gently cover the exhalation valve vent. The exhalation valve vent could be on the front or at the bottom of the exhalation valve cover depending on when the respirator was manufactured. Exhale gently to create a slight positive pressure. If air leakage is detected, re-adjust the position of the facepiece and tension of head harness and repeat the user seal check until leakage is eliminated (**Fig. 13**)

WARNINGS: If you cannot obtain a proper fit, do not enter the contaminated area and see your supervisor.

Use seal check your respirator each time before you enter and periodically while wearing the respirator in the contaminated area.

It is the responsibility of the Safety Director or your supervisor to assist you in determining how tight the 9000 Series respirators should be on the users face. Prior to and during use the user has the first responsibility to determine how tight the respirator should be and when it needs to be adjusted to always maintain a proper seal. Do not over or under tighten as either may cause leakage and reduce protection.

CARTRIDGES AND FILTERS

STANDALONE CARTRIDGES

Moldex offers two cartridge designs: round and semi-rectangular. The round cartridges may be used in combination with Moldex filters using either 4700 or 7920 piggyback adapter. The semi-rectangular cartridges may be used in combination with Moldex filters using the 4707 piggyback adapter.

CHEMICAL CARTRIDGE SERVICE LIFE

Leave contaminated area, and replace cartridges, if you smell, taste, or feel any irritation, in your nose or throat. Consult your supervisor. Replace according to your change out schedule, or no more than eight hours after first use, or sooner if breakthrough occurs. Reference your local government regulations.

WARNING: Do not attempt to piggyback 4781A, 4781A combo cartridge / filters with any Moldex cartridge. Such use may result in sickness or death.

FILTER SERVICE LIFE

Leave contaminated area and replace filters if they become damaged, soiled, torn, or if you experience increased breathing resistance, dizziness, nausea or other adverse effects while wearing the respirator. Do not remove the mask from the face until you have left the contaminated area.

STAND ALONE CARTRIDGE, STAND ALONE FILTER, OR COMBO CARTRIDGE / FILTER ASSEMBLY

Before attaching any cartridge or filter to a mask always inspect the sealing surface of the mask to make sure it is clean and undamaged. Check to see that cartridge retainer gasket is in place and is clean and undamaged. (**Fig 2**); **DO NOT ATTACH CARTRIDGE OR FILTER WITHOUT A GASKET. SEE YOUR SUPERVISOR.**

Only use cartridges or filter from sealed bags. To attach the cartridge or filter to the facepiece, align the three cartridge or filter disk notches with the three bayonets protruding from the facepiece and firmly turn clockwise until cartridge or filter is locked into position and is unable to turn any further (**Fig. 3**).

Check to see that it is seated and flush against the facepiece. Then check the inhalation diaphragms for dirt or damage and see that they are seated properly.

When using a semi-rectangular filter, ensure that the contoured end of the filter is towards the front of the filter points forward, away from the wearer (**Fig. 4a, 4b**).

When using a combo cartridge / filter, ensure that the contoured end of the combo cartridge / filter is towards the front of the face and facepiece (**Fig. 4c, 4d**).

ATTENTION: Prior to use, check the inhalation and exhalation diaphragms for dirt or damage and see that they are properly seated.

WARNING: 4700 series cartridges are NOT for use with any combo cartridge / filter. Such use may result in sickness or death.

ATTENTION: Prior to use, check the inhalation and exhalation diaphragms for dirt or damage and see that they are properly seated.

CARTUCHOS FILTROS COLOCAÇÃO INDEPENDENTE, FILTRO COLOCAÇÃO INDEPENDENTE, OU SUBSTITUIÇÃO CARTUCHO/FILTRO PRÉ-MONTADO

Para remover o cartucho, filtro ou cartucho/filtro pré-montado, rode suavemente no sentido anti-horário e retire da peça facial. Elimine o cartucho, filtro ou cartucho/filtro pré-montado usado. Antes de substituir por um novo cartucho, filtro ou cartucho/filtro pré-montado, inspecione sempre a superfície de vedação do máscara para se certificar de que está limpa e sem danos. Utilize apenas cartuchos, filtro ou cartucho/filtro pré-montado de substituição de saco selados. Para remover o filtro usado de um adaptador piggyback, gire suavemente o filtro no sentido anti-horário e em seguida, remova-o do adaptador piggyback. Elimine o filtro usado. Em seguida, puxe suavemente o adaptador piggyback, inspecione o filtro e adaptador piggyback sempre que o disco do filtro for alterado. Se o adaptador, anel de vedação ou junta estiver quebrado, rachado ou danificado, substitua a junta ou o adaptador piggyback.

REMOÇÃO DO ADAPTADOR 7922 OU CARTUCHO (4700TA / 4770TA / 4774TA / 4775TA / 4776TA / 4795TA)

Para remover o Adaptador Piggyback 4770T do cartucho, puxe ambas as abas para trás e para cima e empurre a palma da mão na superfície superior para ajudar a retirar-lo. Após coda desmontagem do Adaptador Piggyback do cartucho, inspecione o anel de vedação para garantir que ele esteja devidamente encaixado no canal ao redor do perímetro e não esteja danificado. Caso contrário, descarte o cartucho e conjunto completo.

4700B REMOÇÃO DA TAMPA PROTETORA DO FILTRO (4774AB / 4774AB+ / 4775AB / 4775AB+ / 4776AB / 4776AB+ / 4795AB)

Para remover a tampa protetora 4700B do filtro, insira as dedos de uma mão no alfarrabe de engatação ou no redor da borda e use a outra mão para segurar o corpo do porta-filtro ou a abertura da balaustra e puxe enquanto gira.

MONTAGEM DO PRÉ-FILTRO 4999B

Antes de fazer qualquer cartucho ou filtro a uma máscara, sempre inspecione a superfície de vedação da máscara para certificar-se de que ela está limpa e sem danos. Certifique-se de que a junta de retenção do cartucho está no lugar e se está limpa e sem danos (**Fig 2**); **NÃO ANEXE CARTUCHO OU FILTRO SEM UMA JUNTA. CONSULTE SEU SUPERVISOR.**

Primeiro, conecte o cartucho à peça facial, alinhando os três entalhes do cartucho com as três baionetas salientes da peça facial e gire firmemente no sentido horário até que o cartucho esteja travado na posição e não consiga girar mais. Verifique se está devidamente assentado, tanto por dentro como por fora e encostado à peça facial.

Insira o pré-filtro no retentor 4702S para que o lado indicado esteja longe da face (**Fig. 8**). Verifique se o filtro está devidamente assentado e depois empurre o retentor de cartucho até que ele se encaixe no lugar.

SUBSTITUIÇÃO DO PRÉ-FILTRO 8000B

Para remover o pré-filtro 8000B usado, puxe-o para trás e remova-o do pré-filtro 4702S. Remova o pré-filtro antigo e coloque um novo pré-filtro dentro do retentor para que o lado indicado fique afastado da face. Inspecione a tampa do cartucho para ter certeza de que ela está limpa e sem danos. Substitua o retentor.

ADVERTÊNCIA: Utilize o retentor de pré-filtro 4702D somente com os filtros 8093D ou 8093D. Se não o fizer, poderá ocorrer danos no filtro.

ATENÇÃO: Antes de usar, verifique as disfarçadas de inalação e exalação quanto a sujeira ou danos e veja se estão devidamente assentados.

MUDAR CRONOGRAMAS

O tempo de vida útil de um cartucho químico depende da quantidade de vapor químico e outros contaminantes que o cartucho está absorvendo. O tempo de vida útil de um cartucho depende de vários fatores, incluindo as condições do ambiente, a taxa de respiração, a capacidade de filtragem do cartucho e a quantidade de substâncias contaminantes no ar.

Se você subir qual é a substância química e a quantidade à qual você está exposto, então você está preparado para estimar o tempo durante o qual o seu cartucho funcionará e aplicar o fator de segurança.

Você deve usar dados objetivos para desenvolver um programa de trocas. Ao seções para determinar o tempo de vida útil de um cartucho químico:

1. Conducting de experimental tests.
2. Uso de um modelo matemático.

Realizar todas as inspeções cada vez que o disco ou cartucho de filtro for trocado.

ADVERTÊNCIA: Não utilize filtros de nível de incômodo no lugar de um cartucho químico.

Filtro de Disco Protetor de Respingos/Faíscas (4700B)

4700B pode ser usado com todos os filtros semi retangulares. Pum 4988 over filter until it snaps into place (**Fig. 7**)

WARNING: 4700B should not be used with any combo cartridge / filter. Such use may result in sickness or death.

ATTENTION: Prior to use, check the inhalation and exhalation diaphragms for dirt or damage and see that they are properly seated.

STAND ALONE CARTRIDGE, STAND ALONE FILTER, OR COMBO CARTRIDGE / FILTER REPLACEMENT

To remove the cartridge, filter or combo cartridge / filter, gently turn counter clockwise and remove from facepiece. Discard used cartridge, filter or combo cartridge / filter. Before replacing with a new cartridge, filter or combo cartridge / filter, always inspect the sealing surface of the mask to make sure it is clean and undamaged. Only use replacement cartridge, filter or combo cartridge / filter from sealed bags. To remove the used filter from a piggyback adapter, gently turn the filter counter clockwise and remove it from the piggyback adapter. Discard used filter. Then gently pull off the piggyback adapter. Inspect and clean the piggyback adapter each time the filter disk is changed. If the adapter, sealing ring or gasket is broken, cracked or damaged replace gasket or entire piggyback adapter.

7922 ADAPTER REMOVAL FROM CARTRIDGE (4770TA / 7907A)

To remove 4770T piggyback adapter from cartridge, pull back and up on both tabs, push palm of hand into the top surface to help lever it off. After each disassembly of the Piggyback Adapter from cartridge, inspect the gasket to ensure it is properly seated in the channel around the perimeter and is not damaged. Otherwise discard it and replace the complete piggyback assembly.

4788B PROTECTOR COVER REMOVAL FROM FILTER (4774AB / 4774AB+ / 4776AB / 4776AB+ / 4795AB)

To remove 4788B cover from filter, insert fingers of one hand into exhale opening or around the edge, and use the other hand to grasp filter holder body or bayonet opening, and pull off while twisting.

4804B PRE-FILTER ASSEMBLY

Before attaching any cartridge or filter to a mask always inspect the sealing surface of the mask to make sure it is clean and undamaged.

To attach the cartridge to the facepiece, align the three cartridge notches with the three bayonets protruding from the facepiece and firmly turn clockwise until the cartridge is locked into position and is unable to turn any further. Check to see that it is seated properly, both on the inside and outside and flush against the facepiece.

Insert pre-filter into the 4702D retainer so that the side indicated is away from face (**Fig. 8**). Check to see that filter is properly seated then push the retainer on the cartridge until it snaps into place.

4804B PRE-FILTER REPLACEMENT

To remove the old 4804DA pre-filter, gently pull off the pre-filter retainer. Remove the old 4702D pre-filter and place a new pre-filter inside the retainer so that the side indicated is away from face. Inspect cartridge lid to be sure it is clean and undamaged. Replace the retainer.

WARNING: Use the 4702D pre-filter retainer with the 4804DA filters only. Failure to do so may result in sickness or death.

ATTENTION: Prior to use, check the inhalation and exhalation diaphragms for dirt or damage and see that they are properly seated.

CHANGE OUT SCHEDULES

Federal or local regulations may require that the employer implement a change out schedule for cartridges based on objective data. Cartridge change out schedules must ensure cartridges are changed before the end of their service life. If a cartridge's useful service life is how long it provides adequate protection from harmful chemicals in the air. The service life of a cartridge depends on many factors, including environmental conditions, breathing rate, cartridge filtering capacity and the amount of contaminants in the air.

If you know what the chemical is and how much of it you are exposed to, then you are ready to estimate how long your respirator cartridges will work and apply the safety factor.

You must use some type of objective data to develop a change out schedule. Options for determining a cartridge's service life include:

1. Conducting experimental tests.
2. Using a mathematical model.

Work Safe, or other safety and health organizations, may have other means of calculating breakthrough times for various chemicals. You may also wish to consider use of their website in developing your change out schedules. Be advised that actual service life can vary considerably from those calculated using these methods. These methods only provide rough estimates. Some of the data you will need could be found on Moldex cartridges in order to use the models on these websites are:

- M 7000 possui uma absorção equivalente a 42.5 gramas de Carbono de Vapor Orgânico, sua altura é de 2.18 cm e diâmetro interno é de 7.9 cm.
- M 7600B possui uma absorção equivalente a 36.0 gramas de Carbono de Vapor Orgânico, sua altura é de 2.18 cm e diâmetro interno é de 7.9 cm.
- M 7107B / M 7107B possui uma absorção equivalente a 48 gramas de Carbono de Vapor Orgânico, sua altura é de 1.42 cm e o diâmetro interno é de 9.75 cm.
- M 7107B / M 7107B possui uma absorção equivalente a 31 gramas de Carbono de Vapor Orgânico, sua altura é de 1.42 cm e o diâmetro interno é de 9.75 cm.
- M 7107B / M 7107B possui uma absorção equivalente a 49 gramas de Carbono de Vapor Orgânico, sua altura é de 1.42 cm e o diâmetro interno é de 9.75 cm.
- Fornecemos uma planilha para o programa de substituição.

DATA DE VALIDADE E FABRICAÇÃO

- Não use o produto após a data de validade. Esta data pode ser encontrada na embalagem do produto.
-