

# MULTI-GAS/VAPOR SMART® CARTRIDGE

## SIMPLE IS SMART

Cartridge selection and training just got easier! Smart Cartridge replaces up to five gas/vapor cartridges, so your workers will have one cartridge to use for most tasks. Plus, the possibility of cartridge misuse is reduced.

## NIOSH APPROVED FOR:

Organic Vapors, Ammonia, Methylamine, Chlorine, Hydrogen Chloride, Sulfur Dioxide, Chlorine Dioxide, Hydrogen Fluoride, Formaldehyde, Hydrogen Sulfide (escape only).

## SMARTEST CARTRIDGE IN THE CLASS

Each Smart Cartridge comes with a built-in inhalation valve, plus an easy snap-in mount. Use with N95, R95 or P100 particulate filters against even more combinations of contaminants. Smartest of all is the 8000 Series Respirator - a soft, yet durable, facepiece with lighter weight, a lower profile, and extra comfort.

## FEATURES

- Multi-Gas/Vapor Smart cartridge simplifies inventory.
- Approved for ten common gas/vapors.
- Cartridge selection made simpler and misuse reduced.
- Replaces up to five gas/vapor cartridges.
- For use against multi hazards in the same workplace.
- Use with #8910 N95, #8970 R95 or #8940 P100 filters against particulates.
- 100% PVC-Free for a greener alternative.



## APPLICATIONS

Degreasing, forging, foundries, heat treating operations, paper making, rendering, rubber manufacturing, manufacture and use of adhesives, dry cleaning, pesticide or fumigant manufacture and application, treatment of timber and wood products, manufacture and use of inks, printing, manufacture of cosmetic preparations, perfumes and pharmaceuticals, flour bleaching, agriculture, tobacco industry, mining, trucking, manufacture of roofing and asphalt products, petrochemical plants. Aluminum processing, electroplating, lime kilns, rayon textile plants, etching and polishing of glass, chemical processing, manufacture of paints and dyes, soap making, timber preserving, laboratories, uranium enrichment, coal-fired utilities, fluorocarbon and fluoride production, ceramics and cement work, fertilizer manufacture, preserving food and wine, fiberglass manufacture, treatment of leather hides, petroleum distillation, pulp and paper manufacture, foundries, and smelters. Manufacture of fertilizer, textiles, paper or rubber, synthetic resins, pharmaceuticals, pesticides, extraction of metal ores, treatment of scrap metal, petroleum refining, photographic chemicals, blueprinting, electroplating, production of dyes. Synthesis of formaldehyde resins, chelating agents and dyes, textile manufacturing, tanning operations, manufacture of particle board, plywood, sandpaper, grinding wheels, embalming.



# MULTI-GAS/VAPOR SMART® CARTRIDGE

## PACKAGING

### 8600 Smart Cartridge

- 1 Pair per Bag
- 5 Bags per Box
- 6 Boxes per Case

Also available as a pre-assembled respirator with an 8000 series half mask. 8601-Small, 8602-Medium, 8603-Large.

## IMPORTANT NOTICE TO USERS

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

## WARNING TO USER

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. For proper use, ask your supervisor or call +1 (800) 421-0668 or +1 (310) 837-6500, 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, e.g. training, fit testing, 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 cartridges and/or filters for the contaminants in your work area.
6. A qualitative or quantitative fit test must be performed before a respirator is assigned. Refer to current OSHA 29 CFR 1910.134 (f).
7. This respirator facepiece, when combined with any nuisance level organic vapor and/or acid gas/particulate filter disk, may not be used for organic vapor or acid gas contaminants exceeding their respective OSHA Permissible Exposure Limit (PEL) or other government Occupational Exposure Limits (OEL), whichever is lower. Nuisance level refers to concentrations not exceeding the PEL or OEL, whichever is lower.

## MOLDEX TECHNICAL ASSISTANCE

For more information call +1 (800) 421-0668 or +1 (310) 837-6500, ext. 512/550 or E-mail: [sales@moldex.com](mailto:sales@moldex.com), [tech@moldex.com](mailto:tech@moldex.com) or visit [www.moldex.com](http://www.moldex.com).

## DISTRIBUTED BY:



### MOLDEX-METRIC, INC.

10111 Jefferson Blvd.  
Culver City, CA 90232  
TEL: +1 (800) 421-0668 or  
+1 (310) 837-6500  
FAX: +1 (310) 837-9563  
E-mail: [sales@moldex.com](mailto:sales@moldex.com)  
[www.moldex.com](http://www.moldex.com)

### CANADIAN CUSTOMER SERVICE

Tel: +1 (800) 421-0668, Ext. 550  
Fax: +1 (310) 837-9563

## USE AGAINST:

1. Contaminants specified on NIOSH approval label on bag, cartridges, disks/filters/ prefilters or instruction manual.
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), whichever is lower, or according to applicable government regulations.
3. Gases or vapors with poor warning properties or those which generate high heats of reaction, or paint sprays containing isocyanates.
4. Sandblasting.
5. Oil-based mists with N filters.

## 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 alter, modify, or abuse this respirator.
5. Store respirator in sealed bag 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 required for particulates.
8. Where oil mists are present, either alone or in combination with solid particulates, do not use the R or P filters for longer than one eight-hour work shift. Dispose no later than eight hours after first use. Do not exceed 10X PEL or a total of 200 mg loading per respirator, whichever is lower. 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. Dispose of all cartridges and N, R and P filters no later than thirty days after
  - a) first use, and/or
  - b) removing from sealed bag.
10. Use cartridges, filters, and facepieces before the "use by" expiration date printed on box or bag.
11. If used for welding, wear appropriate eye and face protection.

## LIMITED WARRANTY IMPORTANT NOTICE TO PURCHASER

This limited warranty is made in lieu of the warranties of merchantability, fitness for particular purposes and all other warranties, express or implied. There are 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, damages, or liability, direct, indirect, incidental, special or consequential, arising out of a sale, use or misuse, or the inability to use products by the user.



Printed on Recycled Paper