Disposable & Reusable Respirators

Designed to help keep operators comfortable, productive and compliant in welding environments
OSHA Hierarchy of Controls & Personal Protective Equipment

Miller is your single source solution to help you achieve weld fume compliance, with products that fulfill each tier of OSHA’s Hierarchy of Controls.

When determining an action plan, start at the top and work your way down OSHA’s Hierarchy of Controls – selecting the controls that are the most feasible, effective, and permanent for your workplace. It may be necessary to implement multiple solutions to achieve the desired results.

When all other options are not feasible, while they are being implemented, or when they are not able to reduce employee exposure below permissible levels, respiratory protection should be implemented.

Designed specifically for welding applications, Miller respirators are made to comfortably fit under most welding helmets to help keep operators comfortable, productive and compliant.

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Process Modification / Substitution

Engineering Controls

Work Practice Controls

Personal Protective Equipment
OSHA Respiratory Protection Standard

Operators will experience the full benefits of wearing a respirator when the proper respirator is selected for the application, the respirator fits and is used correctly, and guidelines are followed. OSHA Standard 29 CFR 1910.134 outlines rules and information regarding:

Is a Written Respirator Program Needed?

It’s important to understand the difference between voluntary and mandatory respirator use in your workplace and provide employees with details to help ensure they are properly protected and following necessary guidelines.

Mandatory or Emergency Use:
If a respirator is required to be worn as part of the job requirement or during an emergency, then the entire OSHA Standard 29 CFR 1910.134 applies. Along with the equipment, employers must establish and implement a written respirator program and specific workplace procedures.

Voluntary Use of a Respirator More than a Disposable Dust Mask:
For half masks and full face cartridge respirators, employers must provide employees with Appendix D of OSHA Standard 29 CFR 1910.134, and also include other specific program requirements such as medical evaluations, designating a program administer, and developing procedures for cleaning, storing and maintaining respiratory equipment so it does not present a hazard to the employee.

Voluntary Use of Disposable Respirator:
The respirator must be stored and maintained so that its use does not present a health hazard to the user, and that the employer must provide employees with Appendix D of OSHA Standard 29 CFR 1910.134.

See the latest OSHA regulations for updated content.
Which Mask Should I Use?

After completing an exposure assessment and understanding your environment, the applications, and users you’ll be ready to make the best selection.

Other factors to consider include:
• Fit – Utilize fit testing to select the correct size to ensure a tight seal
• Comfort – Features that allow the user to customize the fit for all-day comfort
• Design – Select a respirator that fits with other PPE, such as welding helmets, without interrupting field of vision

Need help assessing your environment?
Contact us at weldingsafety@millerwelds.com and we can help connect you with an Industrial Hygienist.

What is Nuisance Level OV Protection?

Nuisance level OV protection is for concentrations not exceeding OSHA PEL or other applicable government exposure limits, whichever is lower. Nuisance level OV protection features an added layer of carbon that helps remove nuisance level organic vapors.

When should I replace my N95 mask or LPR-100™ filter cartridges?

Replace Miller filter cartridges when:
• It becomes difficult to breathe comfortably (this will vary from individual to individual)
• The filter becomes dirty or physical damage occurs
• For P-Series filters only when used in environments containing oil aerosol:
  - Dispose of P-Series filters after 40 hours of use or 30 days, whichever is first

Factors to Consider

<table>
<thead>
<tr>
<th>N95</th>
<th>LPR Series</th>
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</thead>
<tbody>
<tr>
<td>Disposable</td>
<td>X</td>
</tr>
<tr>
<td>Replaceable</td>
<td>X</td>
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<tr>
<td>Efficiency</td>
<td>X</td>
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<tr>
<td>Fit</td>
<td>X</td>
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<tr>
<td>Lower Long-Term Cost</td>
<td>X</td>
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<tr>
<td>Maintenance Needed</td>
<td>X</td>
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N95 Disposable Mask Respirator

Lightweight, low-profile design provides a wide field of view and fits under all Miller welding helmets. Optional N95 nuisance level organic vapor respirator available.

| NIOSH 42 CFR 84 Certified | APF = 10 | OSHA Classification: Tight-fitting respirator | WEIGHT: 1.1 oz (32 g) | FILTER: Up to 95% Efficiency |

- Fully adjustable double head-strap allows for a comfortable, secure fit.
- Flame-retardant outer layer offers necessary protection for welding applications.
- Pre-formed nose clip for a better fit.
- Large non-return exhaust valve reduces heat build-up and user fatigue.
- Full inside foam seal enhances fit and improves overall mask seal.

Not Resistant to Oil

1 Fit testing required for mandatory use.

2 Nuisance level OV relief respirators are designed for use with organic vapor concentrations not exceeding OSHA's PELs or other applicable government occupational exposure limits, whichever is lower.
Miller® LPR-100™ Series Respirators

Extreme low-profile design provides maximum field of vision, doesn’t interfere with protective eye-wear and fits comfortably under most welding helmets¹ and Weld-Mask™ ².

- Provides up to 99.97% filtration of airborne particulates and aerosols, both oil-based and non-oil-based.
- Exclusive pleated filter design provides additional surface area to reduce breathing resistance while minimizing filter size.
- Wrap-around spark guard protects filters from spatter and other debris.
- Four-point head strap adjustments with integrated cushion for a customized and comfortable fit.
- Large non-return exhaust valve reduces heat build-up and user fatigue.
- Made with medical-grade materials – free of latex and silicone; odor-free and non-allergenic.

¹ LPR-100™ Half Mask fits with: Miller® T94™, Elite™ and Classic Series Welding Helmets and Weld-Mask™ ².
² LPR-100™/OV Half Mask fits with: Miller® T94™ and Elite™ Series Welding Helmets and Weld-Mask™ ².
DISPOSABLE & REUSABLE RESPIRATORS
Personal Protective Equipment

LPR-100™ Reusable Half Mask Respirator

Ideal for welding applications, the low-profile design fits comfortably under Miller® T94™, Elite™ and Classic Series Welding Helmets and Weld-Mask™ 2.

Available with Nuisance Level OV relief filters.

<table>
<thead>
<tr>
<th>NIOSH 42 CFR 84 Certified</th>
<th>APF = 10</th>
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<tbody>
<tr>
<td>OSHA Classification: Tight-fitting respirator¹</td>
<td>WEIGHT: 4.7 oz (133 g)</td>
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<tr>
<td>FILTER: Up to 99.97% Efficiency</td>
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P100 Filters
Innovative filter media that will not deteriorate in humid conditions, extending filter life.

P100 Nuisance Level OV Relief Filters
An added layer of carbon helps remove foul odors in environments where contaminants are below OSHA Permissible Exposure Limits (PELs).

LPR-100™/OV Reusable Respirator

Ideal for welding, paint, weldment cleaning and general metal working clean-up. Features OV (organic vapor) cartridges to provide relief and help keep operators compliant where contaminants are above OSHA's permissible exposure limits (PEL). Fits comfortably under Miller® T94™ and Elite™ Series Welding Helmets and Weld-Mask™ 2.

<table>
<thead>
<tr>
<th>NIOSH 42 CFR 84 Certified</th>
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<tbody>
<tr>
<td>OSHA Classification: Tight-fitting respirator¹</td>
<td>WEIGHT: 12.5 oz (355 g)</td>
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<td>FILTER: Up to 99.97% Efficiency, with organic vapor cartridge</td>
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P100/OV (Organic Vapor) Filters
In addition to a P100 filter layer, product features activated carbon with a pore structure selected for maximum absorption efficiency.

¹ Fit testing required for mandatory use.

Inside view

Oil Proof

Inside view

Oil Proof

Inside view

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Oil Proof
### Ordering Information

#### N95 Disposable Mask Respirator
- 267334-2: N95 Respirator w/ Valve, 2 Pack
- 267334: N95 Respirator w/ Valve, 10 Pack
- 267335-2: N95 Respirator w/ Valve and Nuisance Level OV Relief*, Valve, 2 Pack
- 267335: N95 Respirator w/ Valve and Nuisance Level OV Relief*, 10 Pack

#### LPR-100™ Reusable Respirator
- ML00894: Small / Medium
- ML00895: Medium / Large
- SA00818: Replacement P100 Filters, Pair

#### LPR-100™ Reusable Half Mask Respirator with Nuisance Level OV Relief
- ML00994: Small / Medium w/ Nuisance Level OV Relief Filters*
- ML00995: Medium / Large w/ Nuisance Level OV Relief Filters*
- SA00819: Replacement Combination P100/Nuisance Level OV Relief Filters*, Pair
- 283374: LPR-100™ Hard Carrying Case

#### LPR-100™/OV Reusable Respirator
- ML00996: Small / Medium
- ML00997: Medium / Large
- SA00820: Replacement P100 / OV Filters, Pair
- 285686: LPR-100™/OV Hard Carrying Case

#### Quantitative Fit Test Kit
- 261086

*Nuisance level OV relief respirators are designed for use with organic vapor concentrations not exceeding OSHA's PELs or other applicable government occupational exposure limits, whichever is lower.