MOLDEX® DECISION GUIDE FOR WELDING

STEP 1. Answer the Following Questions:

1. Is your welding environment immediately dangerous to life and health?................................................................. YES NO

2. Is your welding environment a confined space?....................................................................................................... YES NO

3. Does your welding environment contain less than 19.5% oxygen?........................................................................ YES NO

4. Does your welding environment have contaminant levels greater than 10X PEL?...................................................... YES NO

5. Do you use chlorinated hydrocarbons when are welding (e.g. degreasers)?.............................................................. YES NO

6. Are there other unknown contaminants present?........................................................................................................ YES NO

If you answer YES to any of the above questions, DO NOT USE MOLDEX RESPIRATORS.

If you answer NO to ALL of the above questions, process to Step 2 and also refer to the Moldex Chemical Selection Guide*.

STEP 2. Answer the Questions and Follow the Arrows:

START

Is there a substance specific standard for the contaminant that requires a 100 level filter (e.g. lead or Beryllium)?

NO

Is Ozone Present?**

NO

Is Oil Present?

YES

Is Oil Present?

NO

P100 Filter Disk and OV or Multi-Gas/Vapor Smart Cartridge

OR

P100 Plus Nuisance OV Filter Disk

Any N100 Filter

P100 Filter Disk and OV or Multi-Gas/Vapor Smart Cartridge

OR

P100 Plus Nuisance OV Filter Disk

Any P100 Filter

N95 Filter Disk and OV or Multi-Gas/Vapor Smart Cartridge

OR

Any N95 Plus Nuisance OV Mask

Is Ozone Present?**

YES

P100 Filter Disk and OV or Multi-Gas/Vapor Smart Cartridge

OR

P100 Plus Nuisance OV Filter Disk

Is Oil Present?

YES

WELDING SAFETY TIP

Arc welding produces ozone vapors. The affect of UV radiation from the arc on the air surrounding the gas shield generates ozone.

Always wear appropriate eye and face protection.

*Moldex Chemical Selection Guide can be seen online at https://www.moldex.com/pdf/datasheets/chemical_selection_guide.pdf

**Moldex respirators may be used for Nuisance levels of ozone only.

● Also check the OSHA substance specific regulations for compliance.

Most Popular Moldex Welding Respirators

| 2300N95 & 2400N95 | 2400N95 has an added carbon layer helps filter out nuisance levels of ozone and OV* |
| 2310 N99 & 2315 N99 | A higher level of protection. Filters out 99% or airborne particulates free or oil. |
| 4200 N95, 4600 N95, 4800 N95, 4300P95 & 4700N100 | More Air, More Wear. Patent pending Wave technology allows easy breathing for cool comfort and longer wear. |
| 2700N95 & 2800N95 | Cloth HandyStrap for hangable, cool comfort. 2800N95 has an added carbon layer helps filter out nuisance levels of ozone and OV*. |
| 7000 | Easy to Wear. Lightweight and comfortable with a wide field of vision. |

Common Welding Fumes and Suggested Moldex Respirator

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>No Oil Present</th>
<th>No Oil, but Ozone</th>
<th>Oils Present</th>
<th>Oil and Ozone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Oxide</td>
<td>2300N95, 4200N95, 2700N95, 4600 N95</td>
<td>2400N95, 2800N95, 8755, 4800 N95</td>
<td>2740P100, 4300 P95</td>
<td>2840R95, 7100+7940</td>
</tr>
<tr>
<td>Beryllium*</td>
<td>2730N100, 4700N100</td>
<td>8100+8940, 7100+7940</td>
<td>2360P100</td>
<td>7100+7940, 8100+8940</td>
</tr>
<tr>
<td>Cadmium*</td>
<td>2730N100, 4700N100</td>
<td>8100+8940, 7100+7940</td>
<td>2360P100</td>
<td>7100+7940, 8100+8940</td>
</tr>
<tr>
<td>Chromium, fume</td>
<td>2310 (N99), 2315 (N95)</td>
<td>2400N95, 2800N95, 8755, 4800 N95</td>
<td>2740R95, 4300 P95</td>
<td>2840R95</td>
</tr>
<tr>
<td>Chromium, hexavalent*</td>
<td>2310 (N99), 2315 (N95)</td>
<td>2400N95, 2800N95, 8755, 4800 N95</td>
<td>2740R95, 4300 P95</td>
<td>2840R95</td>
</tr>
<tr>
<td>Iron Oxide, fume</td>
<td>2310 (N99), 2315 (N95)</td>
<td>2400N95, 2800N95, 8755, 4800 N95</td>
<td>2740R95, 4300 P95</td>
<td>2840R95</td>
</tr>
<tr>
<td>Lead, fume*</td>
<td>2730N100, 4700N100</td>
<td>7100+7940, 8100+8940</td>
<td>2360P100</td>
<td>7100+7940, 8100+8940</td>
</tr>
<tr>
<td>Manganese, fume</td>
<td>2310 (N99), 2315 (N95)</td>
<td>2400N95, 2800N95, 8755, 4800 N95</td>
<td>2740R95, 4300 P95</td>
<td>2840R95</td>
</tr>
<tr>
<td>Tin, metal oxides</td>
<td>2300N95, 4200 N95, 2700N95, 4600 N95</td>
<td>2400N95, 2800N95, 8755, 4800 N95</td>
<td>2740R95, 4300 P95</td>
<td>2840R95</td>
</tr>
<tr>
<td>Zinc Oxide, fume</td>
<td>2310 (N99), 2315 (N95)</td>
<td>2400N95, 2800N95, 8755, 4800 N95</td>
<td>2740R95, 4300 P95</td>
<td>2840R95</td>
</tr>
</tbody>
</table>

*These contaminants have an OSHA substance specific standard, please refer to the OSHA standard.

**Warning: This chart may be used as an aid to select the appropriate respiratory protection for specific contaminants. This chart is not all inclusive and varies depending on the contaminants used. Please refer to the acceptable manufacturer’s MSDS before selecting a respirator. Only a qualified professional, familiar with the actual working conditions and knowledgeable in the benefits and limitations of respiratory protection equipment, should make the selection. Please refer to latest version of the Moldex Chemical Selection Guide for help in choosing the appropriate respirator. Protection from ozone is for concentrations less than the OSHA PEL. Please refer to the warnings above for more information.