

MOLDEX® DECISION GUIDE FOR WELDING



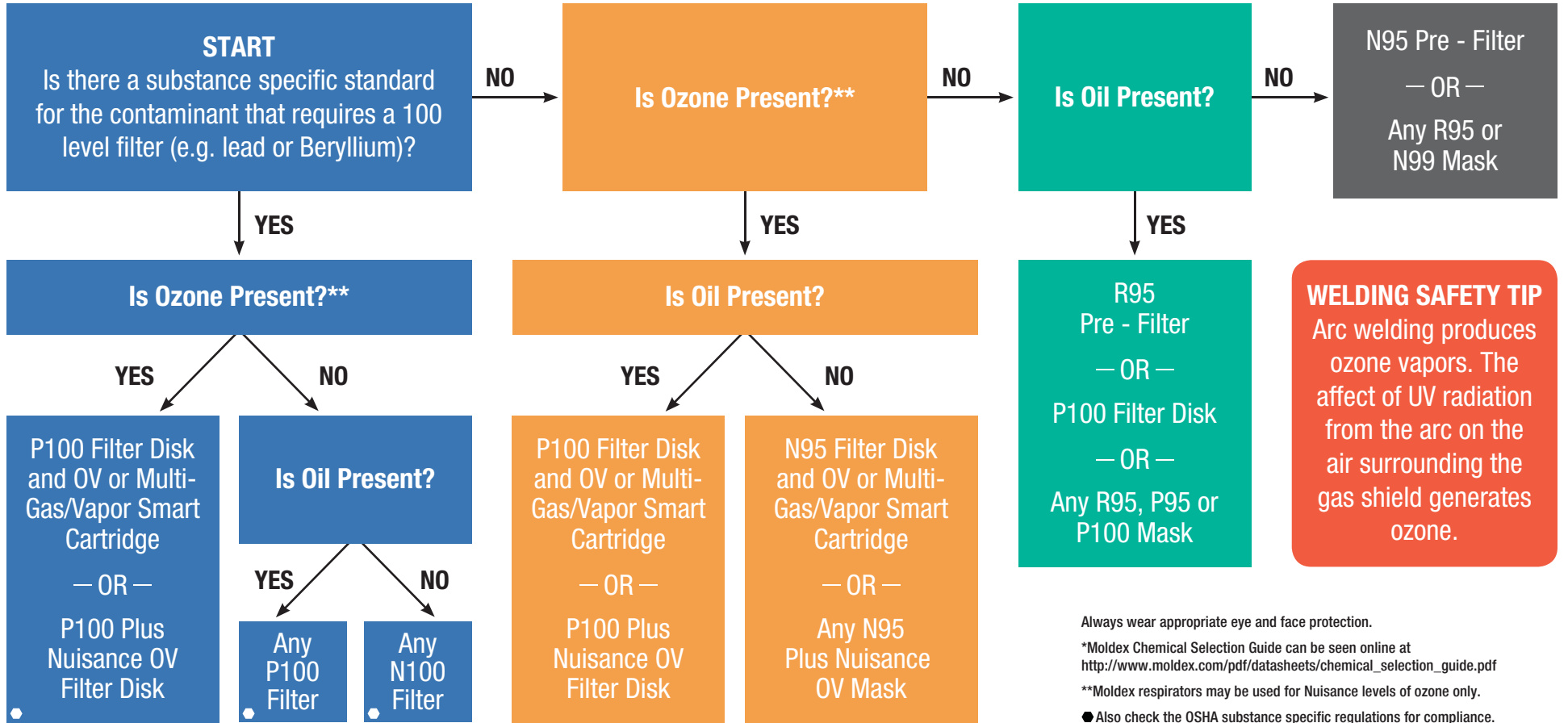
STEP 1. Answer the Following Questions:

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 10 X 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:



Note: R and P filters can be used in environments with or without oils present.

Warning: This guide may be used as an aid to select appropriate respiratory protection for specific contaminants. Because conditions at the worksite can vary substantially, a comprehensive evaluation must be made to determine the correct respiratory protection. When contaminants at a worksite have been identified and concentrations measured, this guide may be used to select the appropriate respirator. Only qualified professionals, familiar with the actual working conditions and knowledgeable in the benefits and the limitations of respiratory protection equipment, should make the selection. Before making the selection, users must also read and understand the applicable MSDS, specifically the section on respiratory protection, for the welding products they plan to use. Users must also refer to the Moldex Chemical Selection Guide before making the final selection. If the selection criteria changes, including, but not limited to, worksite conditions, consumers, or standards and regulations, a new evaluation must be made to determine the appropriate respiratory protections. **Proper use of Moldex products must be determined by the employer and must be in accordance with all applicable local, state, and federal regulations including OSHA 29CFR1910.134.**

Most Popular Moldex Welding Respirators



2300N95 & 2400N95
2400N95 has an added carbon layer helps filter out nuisance levels of ozone and OV¹.

¹Nuisance levels are contaminants that do not exceed the OSHA Permissible Exposure Limit (PEL).



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 OV¹.



7000
Easy to Wear. Lightweight, durable and comfortable with a wide field of vision.

Common Welding Fumes and Suggested Moldex Respirator

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

*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 a specific contaminant. This chart is not all inclusive and varies depending on the consumables used. Please refer to the consumable 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.

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