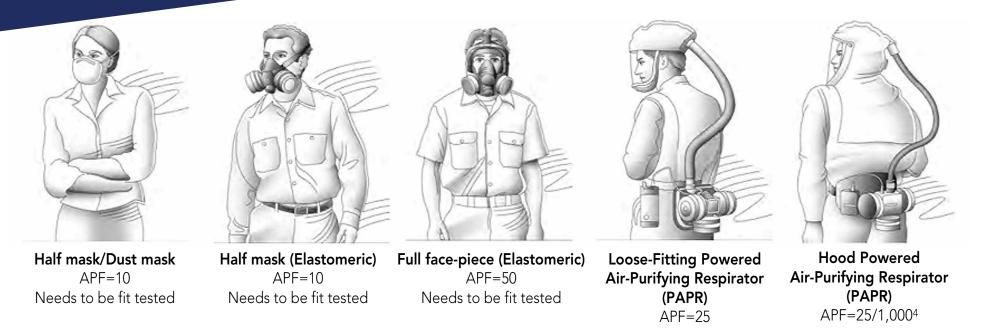


Major Types of Respirators

Air-Purifying Respirators, which remove contaminants from the air



| Assigned Protection Factors | | | | |
|--|-----------------|-----------------|--------------------------|-------------|
| Type of Respirator ^{1,2} | Half Mask | Full Face-piece | Loose-Fitting Face-piece | Helmet/Hood |
| 1. Air-Purifying Respirator | 10 ³ | 50 | _ | |
| 2. Powered Air-Purifying Respirator (PAPR) | 50 | 1,000 | 25 | 25/1,0004 |

Illustrations, table and notes are from OSHA's Respiratory Protection Standard: 29 CFR 1910.134

Notes:

- ¹ Employers may select respirators assigned for use in higher workplace concentrations of a hazardous substance fro use at lower concentrations of that substance, or when required respirator use is independent of concentration.
- ² The assigned protection factors are only effective when the employer implements a continuing, effective, respirator programs required by this section (29 CFR 1910. 134), including training, fit testing, maintenance, and use requirements.
- ³ This APF category includes filtering face-pieces, and half masks with elastomeric face-pieces.
- ⁴ The employer must have evidence provided by the respirator manufacturer that testing of these respirators demonstrates performance at a level protection of 1,000 or greater to receive an APF of 1,000. This level of performance can be best demonstrated by performing a WPF or SWPF study or equivalent testing. Absent such testing, all other PAPRs and SARs with helmets/hoods are to be treated as loose-fitting face-piece respirators, and receive an APF of 25.
- ⁵ These APFs do not apply to respirators used solely for escape. For escape respirators used in association with specific substances covered by 29 CFR 1910 subpart Z, employers must refer to the appropriate substance-specific standards in that subpart. Escape respirators for other IDLH atmospheres are specified by 29 CFR 1910. 134(d)(2)(ii).

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PAPR SYSTEM

Clear Solutions for Mission-Critical Protection

ADVANCED PROTECTION

ILC Dover is a recognized leader in the design and delivery of high-performing softgood solutions for perilous environments. What we do for astronauts working and living in space we continue to do for pharmaceutical personnel and life science professionals.



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The Sentinel Clear™ system is the only PAPR that offers a clear hood engineered with advanced film technology for excellent visibility, comfort, and mission-critical protection.

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Multiple filter and breathing tube options ensure that the assembly is easy to use and supports a range of applications.

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The XT blower, when paired with ILC Dover's lithium polymer battery, weighs just 2.2 pounds, yet delivers 8+ CFM airflow, exceeding NIOSH requirements. A nonincendive configuration is available for use in hazardous locations.

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