

RESPIRATORY PROTECTION

DIFFERENT MASKS FOR DIFFERENT NEEDS

These situations are examples of when respirators are worn in the healthcare sector. Models vary depending on the manufacturer. The need to wear a respirator must be assessed locally in collaboration with the Respiratory Protection Program Administrator.



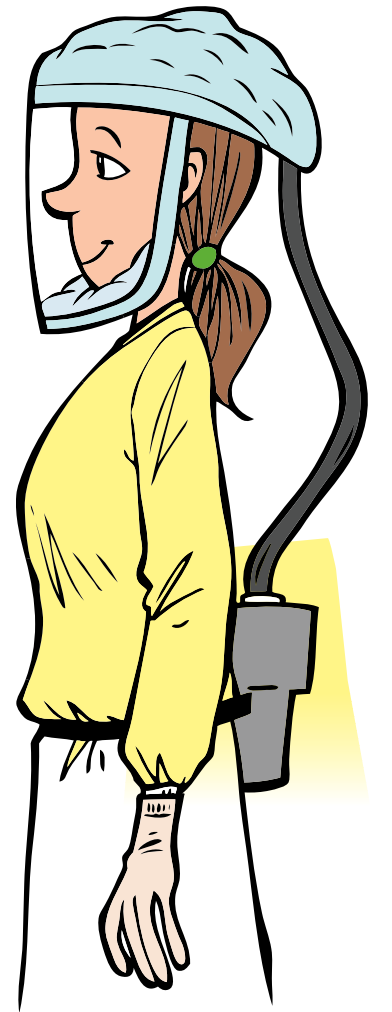
→ RPD N95

- PROTECTION**
- APF 10
 - For liquid or solid particles
- REQUIREMENTS**
- No maintenance required: discard after single use
 - NIOSH certification
 - Fit testing required
- SAMPLE SITUATIONS FOR USE**
- Caring for a tuberculosis patient
 - Carpentry (wood dust)



→ PAPR WITH VISOR AND FLEXIBLE MASK

- PROTECTION**
- APF 25
 - For particles, vapours and gases, if fitted with the appropriate cartridges or filters
- REQUIREMENTS**
- Maintenance and verification
 - NIOSH certification
- SAMPLE SITUATIONS FOR USE**
- Bronchoscopy on a tuberculosis patient performed in a standard room (3-6 fresh air changes per hour)



→ RPD: REUSABLE HALF-MASK RESPIRATOR WITH CHEMICAL CARTRIDGES

- PROTECTION**
- APF 10
 - For vapours or gases, if fitted with the appropriate cartridges
- REQUIREMENTS**
- Identify the nature of the contaminant and concentration
 - Maintenance and verification
 - NIOSH certification
 - Fit testing required
- SAMPLE SITUATIONS FOR USE**
- Exposure to formaldehyde vapours in pathology: chemical cartridges
 - In the pharmacy: cleaning the chemical fume hood used to prepare hazardous drugs (chemotherapy): RPD with cartridges for volatile organic vapours, particles (P100) and chlorine vapours.

→ RPD - REUSABLE HALF-MASK WITH PARTICULATE FILTER

- PROTECTION**
- APF 10
 - For particles if equipped with filters (e.g. N95, P100)
- REQUIREMENTS**
- Maintenance and verification
 - NIOSH certification
 - Fit testing required
- SAMPLE SITUATIONS FOR USE**
- Drilling a small hole in a wall that contains asbestos (waste < 1 ft³): RPD with P100 filters
 - Removal of mold (< 10 m² surface): RPD with minimum N95 filters



→ RPD: FULL FACE

- PROTECTION**
- APF 50
 - For particles, vapours and gases, if fitted with the appropriate cartridges or filters
- REQUIREMENTS**
- Identify the nature of the contaminant and concentration
 - Maintenance and verification
 - NIOSH certification
 - Fit testing required
- SAMPLE SITUATIONS FOR USE**
- Need to protect the eyes or facial skin, complementary to RPD
 - Use of products that irritate the mucosa
 - Removal of mold (> 10m² surface): RPD with P100 filters (minimum requirement)



→ PAPR: FULL FACE

- PROTECTION**
- APF 1000
 - For particles, vapours and gases, if fitted with the appropriate cartridges or filters
- REQUIREMENTS**
- Maintenance and verification
 - NIOSH certification
 - Fit testing required
- SAMPLE SITUATIONS FOR USE**
- Removal of asbestos pipe insulation in a heating system: RPD with minimum P100 filter
 - Removal of mold (> 10 m² surface): RPD with minimum P100 filters



→ PROCEDURE MASK

- PROTECTION**
- Not tested for effective filtration in respiratory protection
- REQUIREMENTS**
- No maintenance required: discard after single use
 - Food and Drug Administration approval
- SAMPLE SITUATIONS FOR USE**
- For caregivers, to reduce the risk of infection transmission associated with exposure to blood, biological fluids or secretions/excretions



RPD Respiratory protective device
APF Assigned protection factor: ratio between the concentration of the contaminant outside the mask and its concentration inside the mask
NIOSH National Institute of Occupational Safety and Health
PAPR Powered Air Purifying Respirator



Association paritaire pour la santé et la sécurité du travail du secteur affaires sociales

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