

Disposable Respiratory EU Standards

How to choose the correct breathing protection ?



These steps must take the environment of the exposed working station into consideration (moisture, temperature etc...)



DUST AND AEROSOL FILTERS	
TYPE	PROTECTION
	Protects from non-toxic dust and/or water-based aerosols
	Protects from slightly toxic or irritating solid aerosols and/or liquids
	Protects from solid aerosols and/or liquids listed as toxic

CLASSIFICATION OF THE FILTERS			
CLASS	FFP1	FFP2	FFP3
Minimum efficiency %	78%	92%	98%
Total inward leakage	22%	8%	2%
Nominal protection factor	4.5	12.5	50
Assigned Protection Value (APV)	4 X	10 X	20 X

	FFP1/P1	FFP2/P2	FFP3/P3
Protective factor	4 X	10 X	20 X
Definition	Protects from non-toxic dust and/or water-based aerosols up to 4 times the TWA	Protects from slightly toxic or irritating solid aerosols and/or liquids, up to 10 times the TWA	Protects from solid aerosols and/or liquids listed as toxic, up to 20 times the TWA
Application (Indicative List)	Cement dust, flour, calcium carbonate (chalk), graphite, cotton, concrete, etc.	Untreated softwood, grinding, cutting, welding, milling, coal, glass fibre, mineral fiber, etc.	Asbestos (without manipulation), powdered pesticide, biological, pharmaceutical powder, treated wood, hard wood (exotic), chromium, lime, lead, etc.
Options for comfort and fit			
V: Valve	To facilitate expiration and clear moisture	To facilitate expiration and clear moisture	To facilitate expiration and clear moisture
P: Horizontal folding (individual pack)	Ideal size for pocket	Ideal size for pocket	Ideal size for pocket
B: Vertical folding (individual pack)	Ideal size for pocket	Ideal size for pocket	Ideal size for pocket
W: Smell and welding fumes	Protects from smells	Protects from smells and welding fumes	Protects from smells and welding fumes