Respiratory Protection

Standards Explained

The Safety Supply Company™

EN136:1998
Defines minimum requirements for full face masks for respiratory protective devices. Includes laboratory and practical performance tests.

EN140:1998
Defines minimum requirements for half masks and quarter masks to be used as part of respiratory protective devices, excluding escape and diving apparatus.

EN14387:2004
Describes gas filters and combined filters for use as components in unassisted respiratory protective devices.

EN143:2000
Describes particle filters for use as components in unassisted respiratory protective devices with the exception of escape apparatus and filtering face pieces.

Information about Particle Filters

Protection level	Colour	Hazard types	Examples	Maximum use level
P1	☐	Non toxic dusts, mists and fumes based on water and oil[1]	Working with non toxic dusts, mists and fumes	4 x WEL [FFP mask and half mask] 4 x WEL [full face mask]
P2	☐	Harmful and carcinogenic dusts, fumes and aerosols based on water and oil[2]	Working with softwood, glass fibres, metal and plastics [besides PVC] and oil mists	10 x WEL [FFP mask and half mask] 10 x WEL [full face mask]
P3	☐	Harmful and carcinogenic dusts, fumes and aerosols based on water and oil[3]	Working with highly toxic metals, hardwood, radioactive and biochemical active substances as well as oil mists and welding of stainless steel	20 x WEL [FFP mask and half mask] 40 x WEL [full face mask]

R [re-usable]: The filters can be used for more than one shift.

Information about Gas Filters

Protection level	Colour	Hazard types	Examples	Maximum use level
A1		Organic gases and vapours, boiling point > 65°C	Working with solvents created by varnish, paints and adhesives	10 x WEL [half mask] 20 x WEL [full face mask] or 1000 ppm whichever is lower
A2		As A1	As A1 but to higher concentrations	10 x WEL [half mask] 20 x WEL [full face mask] or 5000 ppm whichever is lower
A1B1E1		As A1+ inorganic gases and vapours + acid gases	As A1 + working with chlorine, bromine, hydrogen cyanide, hydrogen sulphide, hydrochloric acid and other acid gases	10 x WEL [half mask] 20 x WEL [full face mask] or 1000 ppm whichever is lower
A1B1E1K1		As A1B1E1 + ammonia	As A1B1E1 + working with ammonia	10 x WEL [half mask] 20 x WEL [full face mask] or 1000 ppm whichever is lower
A2B2E1		As A1B1E1	As A1B1E1 but to higher concentrations	10 x WEL [half mask] 20 x WEL [full face mask] or 5000 ppm (A + B), 1000 ppm (E) whichever is lower
AX		Organic vapours boiling point ≤ 65°C	Working with low-boiling vapours e.g. acetone, dichloromethane	For single use only National legislation may limit maximum usage levels Please contact Moldex for details
Hg P3		Mercury	Working with mercury vapours	Maximum use time against mercury 50h