











# Respiratory Filters

Applications and Markings



Colour mark	Type	Application	Class	Max. allowed gas concentration	Standard
	<b>A</b>	<b>Organic gases and vapours</b> (boiling point > 65°C)	1 2 3	1,000 ml/m <sup>3</sup> (0.1 Vol.-%) 5,000 ml/m <sup>3</sup> (0.5 Vol.-%) 10,000 ml/m <sup>3</sup> (1.0 Vol.-%)	EN 14387
	<b>B</b>	<b>Inorganic gases and vapours</b> (not CO) e.g. chlorine, H <sub>2</sub> S, HCN	1 2 3	1,000 ml/m <sup>3</sup> (0.1 Vol.-%) 5,000 ml/m <sup>3</sup> (0.5 Vol.-%) 10,000 ml/m <sup>3</sup> (1.0 Vol.-%)	EN 14387
	<b>E</b>	<b>Sulfur dioxide and acidic gases and vapours</b>	1 2 3	1,000 ml/m <sup>3</sup> (0.1 Vol.-%) 5,000 ml/m <sup>3</sup> (0.5 Vol.-%) 10,000 ml/m <sup>3</sup> (1.0 Vol.-%)	EN 14387
	<b>K</b>	<b>Ammonia and organic ammonia derivatives</b>	1 2 3	1,000 ml/m <sup>3</sup> (0.1 Vol.-%) 5,000 ml/m <sup>3</sup> (0.5 Vol.-%) 10,000 ml/m <sup>3</sup> (1.0 Vol.-%)	EN 14387
	<b>AX</b>	<b>Organic gases and vapours</b> (boiling point < 65°C) of low boiling substance groups 1 and 2	–	Group 1 (100 ml/m <sup>3</sup> max. 40 min.) Group 1 (500 ml/m <sup>3</sup> max. 20 min.) Group 2 (1,000 ml/m <sup>3</sup> max. 60 min.) Group 2 (5,000 ml/m <sup>3</sup> max. 20 min.)	EN 14387
	<b>NO-P3</b>	<b>Nitrogen oxides</b> e.g. NO, NO <sub>2</sub> , NOX and particles	–	Maximum allowed time of use 20 minutes	EN 14387
	<b>Hg-P3</b>	<b>Mercury vapours and particles</b>	–	Maximum allowed time of use 50 hours	EN 14387
	<b>CO*</b>	<b>Carbon monoxide</b>	–	Local guidelines	DIN 58620 EN 14387
	<b>Reactor P3*</b>	<b>Radioactive iodine and particles</b>	–	Local guidelines	DIN 3181*
	<b>P</b>	<b>Particles</b>	1 2 3	Max. filter penetration 20% Max. filter penetration 6% Max. filter penetration 0.05%	EN 143 EN 14387

\*only colour mark and type standardized

