

Respiratory Filters

Classes and Standards



Class	Maximum allowed gas concentration	Standard
1	1000 ml/m ³ (0.1 Vol.-%)	EN 14387
2	5000 ml/m ³ (0.5 Vol.-%)	
3	10000 ml/m ³ (1.0 Vol.-%)	
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2	5000 ml/m ³ (0.5 Vol.-%)	
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2	5000 ml/m ³ (0.5 Vol.-%)	
3	10000 ml/m ³ (1.0 Vol.-%)	
–	Group 1 (100 ml/m ³ max. 40 min.) Group 1 (500 ml/m ³ max. 20 min.) Group 2 (1000 ml/m ³ max. 60 min.) Group 2 (5000 ml/m ³ max. 20 min.)	EN 14387
–	Maximum allowed time of use 20 minutes	EN 14387
–	Maximum allowed time of use 50 hours	EN 14387
–	Local guidelines	DIN 58620 EN 14387
–	Local guidelines	DIN 3181*
1	Max. filter penetration 20%	EN 143 EN 14387
2	Max. filter penetration 6%	
3	Max. filter penetration 0.05%	

*only colour mark and type standardized

Respiratory Filters

Applications and Markings



Colour mark	Type	Application
	A	Organic gases and vapours (boiling point > 65 °C)
	B	Inorganic gases and vapours (not CO), e.g. chlorine, H ₂ S, HCN
	E	Sulfur dioxide and acidic gases and vapours
	K	Ammonia and organic ammonia derivatives
	AX	Organic gases and vapours (boiling point < 65 °C) of low boiling substance groups 1 and 2
	NO-P3	Nitrogen oxides e.g. NO, NO ₂ , NO _x and particles
	Hg-P3	Mercury vapours and particles
	CO*	Carbon monoxide
	Reactor P3*	Radioactive iodine and particles
	P	Particles

*only colour mark and type standardized

Respiratory Filters

An Excerpt of our Wide Range

	Description	Part No.	Pack of	Packs in Carton	Acc. to DIN/EN	Weight (approx.)	Ø/Height (approx.)	Thread Connector
Particle Filters	Prefilter for Filter cartridge	D1070754	12	–	flame resistant	3 g	107/35 mm	P3 PlexTec, series 92 & 93
	Particle Filter P3 PlexTec	10094376	10	20	P3 R	80 g	104/46 mm	EN 148-1
Gas Filters	Gas Filter 90 A	10115187	1	60	A2	230 g	107/70 mm	EN 148-1
	Gas Filter 90 AB	10098113	1	60	A2, B2	230 g	107/70 mm	EN 148-1
	Gas Filter 90 E	10115349	1	60	E2	>300 g	107/70 mm	EN 148-1
	Gas Filter 90 K	10115320	1	60	K2	>300 g	107/70 mm	EN 148-1
	Gas Filter 90 ABEK	10098114	1	60	A2, B2, E2, K1	255 g	107/70 mm	EN 148-1
	Gas Filter 90 AX	10108408	1	60	AX, A2	230 g	107/80 mm	EN 148-1
	Gas Filter 90 ABEK2	10098112	1	60	A2, B2, E2, K2	290 g	107/77 mm	EN 148-1
	Combined Filters	Combined Filter 92 A/St	10115188	1	60	A2-P2 R D	260 g	107/85 mm
Combined Filter 92 AB/St		10097994	1	60	A2, B2-P2 R D	270 g	107/85 mm	EN 148-1
Combined Filter 92 ABEK/St		10097995	1	60	A2, B2, E2, K1-P2 R D	295 g	107/85 mm	EN 148-1
Combined Filter 92 ABEK2/St		10097996	1	60	A2, B2, E2, K2-P2 R D	350 g	107/93 mm	EN 148-1
Combined Filter 93 A/St		10115189	1	60	A2-P3 R D	260 g	107/85 mm	EN 148-1
Combined Filter 93 AX/St		10108409	1	60	AX-P3 R D	260 g	107/85 mm	EN 148-1
Combined Filter 93 AB/St		10097993	1	60	A2, B2-P3 R D	270 g	107/85 mm	EN 148-1
Combined Filter 93 K/St		10115190	1	60	K2-P3 R D	295 g	107/85 mm	EN 148-1
Combined Filter 93 ABEK-Hg/St		10097231	1	60	A2, B2, E2, K1, Hg-P3 R D	295 g	107/85 mm	EN 148-1
Combined Filter 93 ABEK2-Hg/St		10097232	1	60	A2, B2, E2, K2, Hg-P3 R D	350 g	107/93 mm	EN 148-1
Special Filters	Combined Filter 93 Hg/St	10115201	1	60	Hg-P3 R D	270 g	107/85 mm	EN 148-1
	Combined Filter 93 NO-CO/St	10115314	1	60	NO-P3 R D	470 g	107/85 mm	EN 148-1
	Comb. Filter 93 ABEK-CO-NO-Hg/St	10115315	1	60	A1, B2, E2, K1, CO, NO, Hg-P3 R D	420 g	107/93 mm	EN 148-1

R = Reusable according EN 143:2000/A1:2006

D = Dolomite tested



Particle Filter



Gas Filter



Combined Filter