

Filter Matrix

Medium dust filter M5		Fine dust filter F7					Compact filter H13						Adhesive fumes filter		Pocket filter					
T005 87 358 37 10 pcs.	T005 87 359 37 10 pcs.	T005 87 627 03 10 pcs.	130-2010 5 pcs.	145-4000 2 pcs.	T005 36 421 99 3 pcs.	T005 87 358 36 10 pcs.	T005 87 359 38 10 pcs.	T005 87 358 60 1 pcs.	T005 87 628 57 10 pcs.	T005 87 628 58	T005 87 627 01	130-2000-ESDN	100-2000-ESDN	T005 36 410 99	T005 87 358 38	T005 87 359 36N	145-2000-ESDN	T005 87 358 35	T005 87 358 95N	T005 87 359 24
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MI	EK	Solv	ents	Cleanroo	m class 5	Adhesive fumes			
145-2003-ESDN	100-2003-ESDN	100-2012-ESDN		100-2002-ESDN	145-2002-ESDN	T005 87 358 95N	T005 36 407 99	T005 87 358 35	
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	✓		✓	✓					



Before using special filters please check in the MSD data sheet if they are suitable for your application, or simply contact your local Weller representative for further support.



Weller Zero-Smog® systems

Specifically designed for continuous operation in industrial environments. Care and attention at the design stage plus careful component choice and a high quality manufacturing process have given Weller extraction systems a world wide reputation for reliability and longevity.

Weller Zero-Smog® fume extraction

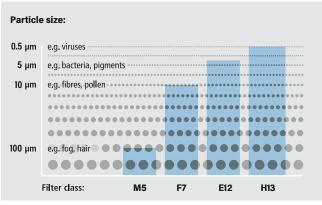
Weller Zero-Smog* systems have a three stage filter system (excl. MG 100S) for removing small particles, fumes and gases that are produced in different working processes:

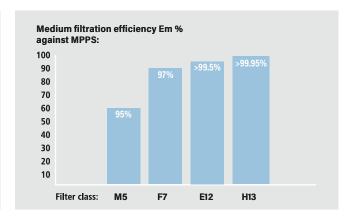
The hazardous substances are efficiently captured by the nozzle and are absorbed into the filter.

Bigger particles get caught in the pre-filter and smaller particles get caught in the HEPA (High Efficiency Particulate Air) filter.

The wide band gas filter removes fumes and adhesives.

End product - clean air - is re-circulated into the workplace.





Filter Class M5, F7: Fine dust filter as per EN 779:2012

Filter Class E12/H13: According EN 1822:2009 HEPA (High Efficiency Particulate Air) Filter

Filter classification according EN norm EN 1822:2009

Filter Class	Recommended Application					
M5	For standard applications					
F7	For applications with high					
	flux or dust content					
E12 / H13	For applications with high					
	flux or dust content					
Gas	For applications with					
	fumes from adhesives and					
	solvents					

Group	Filter class	Integral value						
		Degree of separation	Transmittance degree					
EPA	E10	85 %	15 %					
	E11	95 %	5 %					
	E12	99,5 %	0,5 %					
HEPA	H13	99,95 %	0,05 %					
	H14	99,995 %	0,005 %					

1. Medium / fine dust filter

For standard applications with a small amount of flux and pollution gases with high solid content, Weller offers filter classes M5 or F7

2. Compact filter consisting of:

Particle filter H13 with deposition performance according EN 1822:2009 > 99.955% in MPPS (particles 0.16 µm) > 99.994% particles 0.3 µm

Wide band gas filter. For cleaning harmful fumes and vapours. The Weller wide band gas filter consists of 50% active carbon and 50% Chemisorb (potassium permanganate).

Harmful gases with a high molecular weight are cleaned by the active carbon. Chemisorb is suitable for absorbing gases of lower molecular weight. Because of its composition, Chemisorb is able to convert a large number of chemical

pollutants (e.g. formaldehyde) into non-polluting gases by means of molecular modification.

3. Gas filter (optional)

The gas filter is used for extracting adhesive fumes and solvents. Experience has shown that filtering suspended particles is not so vital in this respect. The gas filter is filled with 50% active carbon and 50% Chemisorb. The particle filter is omitted.

