

Weller



Clean air is a worker's right

Breathe easy in a clean environment - all day long

Protecting your health

Why Weller Filtration Systems?

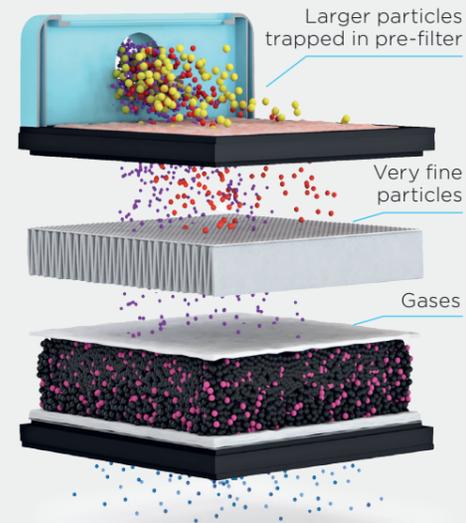
Proper fume extraction systems are essential to reduce exposure to hazardous substances like lead and flux vapors, ensuring a safer environment. Our Weller ZeroSmog fume extraction units are designed for both, intermitten and continuous, all-day use, provide optimal protection for both operators and the environment.



- Health protection
- Effective air purification
- Low noise level
- Quick & easy installation
- Mobile devices
- Large filter surface for long lifetime
- Low energy consumption

Filter	Details	Fume Extraction Unit	Shield Pro	WE1010 Shield Kit	Guard Light	Guard	Guard 2	EL	TL	4V	LL200V	6V	LL400V	MG140	LL150	MG100	MG130
		Order Number/ 120V	FT91019299	WE1010AS	FT91020299	FT91021299	FT91022299	ZEROSMOGELIN	ZEROSMOGLIN	T0053660299N		T0053666299N	FT91002299	U-145-1000-ESDN		U-100-1000-ESDN	U-130-1000-ESDN
		Order Number/ 230V		T005329839I	FT91020699	FT91021699	FT91022699	FT9100699N	FT91013699N	T0053660699N	FT91001699N	T0053666699N	FT91002699N	145-1000-ESDN	FT-115N	100-1000-ESDN	130-1000-ESDN
Main Filter	Particle Filter EPA E10 and AC foam for gases for ZeroSmog Shield	"Particle: EPA E10, Gas: Activated Carbon Foam"	FT91000046	✓	✓												
Main Filter	Particle Filter EPA E10 and AC granules for gases for ZeroSmog Shield Pro	"Particle: EPA E10, Gas: Activated Carbon Granules"	FT91000047	✓	✓												
"Filter & Pre-filter set"	Standard Filter Set ZeroSmog Guard	"Pre-filter: ePM1-70% (F8) Particle: HEPA H13, Gas: Activated Carbon Granules"	FT91000048			✓	✓	✓									
"Filter & Pre-filter set"	Wide band Gas Filter Set ZeroSmog Guard	"Pre-filter: ePM1-70% (F8); Particle: HEPA H13, Gas: Activated Carbon & KMnO4 Granules"	FT91000049			✓	✓	✓									
"Filter & Pre-filter set"	Adhesives Filter Set ZeroSmog Guard	"Pre-filter: ePM1-70% (F8); Particle: None, Gas: Activated Carbon & KMnO4 Granules"	FT91000051			✓	✓	✓									
Main Filter	Main Filter for ZeroSmog 4V, EL and TL (also WFE 2S)	"Particle: HEPA H13, Gas: Activated Carbon & KMnO4 Granules"	T0058735936N					✓	✓	✓							
Main Filter	Wide band Gas Filter for Adhesive Fumes For Zero Smog 4V, EL and TL (also WFE 2S)	"Particle: None, Gas: Activated Carbon & KMnO4 Granules"	T0058735895N					✓	✓	✓							
Main Filter	Main Filter for WFE4S, WFE20D, ZeroSmog 6V, ZeroSmog 20T	"Particle: HEPA H13, Gas: Activated Carbon & KMnO4 Granules"	T0058735838									✓	✓				
Main Filter	Wide band Gas Filter for Adhesive Fumes for Zero Smog 6V	"Particle: None, Gas: Activated Carbon & KMnO4 Granules"	T0058735835									✓					
Main Filter	Main Filter ZeroSmog 6V / Cleanroom	"Particle: HEPA H13, Gas: Activated Carbon & KMnO4 Granules"	FT91000019									✓					
Main Filter	Main filter for Laser Line 150 and Laser Line 200 V	"Particle: HEPA H13, Gas: Activated Carbon & KMnO4 Granules"	FT91000008N									✓		✓	✓		
Main Filter	Main Filter Laser Line 400V	"Particle: HEPA H13, Gas: Activated Carbon & KMnO4 Granules"	FT91000010									✓	✓				
Main Filter	Main Filter MG 100S Standard	"Particle: HEPA H13, Gas: Activated Carbon & KMnO4 Granules"	100-2000-ESDN														✓
Main Filter	Main Filter MG 100, WFE 2X Solvent	"Particle: HEPA H13, Gas: Activated Carbon Granules"	100-2012-ESDN														✓
Main Filter	Main Filter MEK for MG100s and WFE 2X	"Particle: HEPA H13, Gas: KMnO4 Granules"	100-2003-ESDN														✓
Main Filter	Clean Room Filter for MG 100S, WFE 2X	"Particle: HEPA H13, Gas: Activated Carbon & KMnO4 Granules"	100-2002-ESDN														✓
Main Filter	Main Filter MG 130	"Particle: HEPA H13, Gas: Activated Carbon & KMnO4 Granules"	130-2000-ESDN														✓
Main Filter	Main Filter MG 140	"Particle: HEPA H13, Gas: Activated Carbon & KMnO4 Granules"	145-2000-ESDN											✓			
Main Filter	Main Filter MG 140 Solvent	"Particle: HEPA H13, Gas: Activated Carbon Granules"	145-2012-ESDN											✓			
Main Filter	Main Filter MG 140 Clean Room	"Particle: HEPA H13, Gas: Activated Carbon & KMnO4 Granules"	145-2002-ESDN											✓			
Main Filter	Main Filter MG 140 MEK	"Particle: HEPA H13, Gas: KMnO4 Granules"	145-2003-ESDN											✓			

Smoke distributed over the entire filter surface



Clean air is brought back into the working environment

Intelligent flow principle for best possible protection. A strong suction and a powerful blower, captures the smoke more effectively. This principle ensures cleaner air and effective odour removal.

Before After



The before/after effect on a small mesh shows the degree of pollution after 90 minutes of soldering.



Filter capabilities: Excellent: ●●● Good: ●● Low: ● No: ○

Filter	Model	Contaminant																						
		Dust Particles	Fumes	Solder & Flux	Gases													Other Gases						
					VOC (Solvents, Adhesives, Surface cleaners, Fuels, Fragrances, Fuels)										Acid gases			Other Gases						
					Aromatic hydrocarbons	Aliphatic hydrocarbons	Ketones	Esters	Alcohols	Aldehydes	Organic acids	Chlorinated hydrocarbons	Terpenes	Organic sulfides	Amines	Acid gases	Inorganic gases	Halogen gases	Ozone (O ₃)	Ammonia/ amines	Aerosolized acids/bases	Peroxides	Radicals/ reactive gases	Mercaptans
Benzene, Toluene, Xylene (BTX)	Hexane, Pentane, Heptane	Acetone, MEK, MIBK	Ethyl acetate, Butyl acetate	Ethanol, Isopropanol	Formaldehyde, Acetaldehyde	Acetic acid, Formic acid	Dichloromethane, Trichloroethylene (TCE)	Limonene, Pinene	Dimethyl sulfide, thioethers	Methylamine, Dimethylamine	HCl, SO ₂ , NO ₂ , HF, H ₂ S	NH ₃ , Cl ₂ , O ₃ , H ₂ S	Cl ₂ , Br ₂ , F ₂	O ₃	NH ₃ , trimethylamine	HNO ₃ , H ₂ SO ₄ droplets	MEKP, benzoyl peroxide	Cl ₂ , OH ₂ (rare in air handling)	CH ₃ SH, etc.					
Main Filter	Particle Filter EPA E10 and AC foam for gases for ZeroSmog Shield	FT91000046	●●	●●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Main Filter	Particle Filter EPA E10 and AC granules for gases for ZeroSmog Shield Pro	FT91000047	●●	●●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Filter & Pre-filter set	Standard Filter Set ZeroSmog Guard	FT91000048	●●●	●●●	●●●	●●	●●	●●	●●	●	●	●●	●●	●	●	●	●	●	●	●	●	○	●	
Filter & Pre-filter set	Wide band Gas Filter Set ZeroSmog Guard	FT91000049	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	○	●
Filter & Pre-filter set	Adhesives Filter Set ZeroSmog Guard	FT91000051	●	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	○	●●
Main Filter	Main Filter for ZeroSmog 4V, EL and TL (also WFE 2S)	T0058735936N	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	○	●●
Main Filter	Wide band Gas Filter for Adhesive Fumes	T0058735895N	○	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	○	●●
Main Filter	Main Filter for WFE4S, WFE20D, ZeroSmog 6V, ZeroSmog 20T	T0058735838	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	○	●●
Main Filter	Wide band Gas Filter for Adhesive Fumes	T0058735835	○	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	○	●●
Main Filter	Main Filter ZeroSmog 6V / Cleanroom	FT91000019	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	○	●●
Main Filter	Main filter for Laser Line 150 and Laser Line 200 V	FT91000008N	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	○	●●
Main Filter	Main Filter Laser Line 400V	FT91000010	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	○	●●
Main Filter	Main Filter MG 100S Standard	100-2000-ESDN	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	○	●●
Main Filter	Main Filter MG 100, WFE 2X Solvent	100-2012-ESDN	●●●	●●●	●●●	●●	●●	●●	●●	●	●	●●	●●	●	●	●	●	●	●	●	●	○	●	
Main Filter	Main Filter MEK for MG100s and WFE 2X	100-2003-ESDN	●●●	●	●	●	●●	●	●	●●	●●	●	●	●●	●●	●●●	●●	●●	●●	●●	●●	●	●	●●
Main Filter	Clean Room Filter for MG 100S, WFE 2X	100-2002-ESDN	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	○	●●
Main Filter	Main Filter MG 130	130-2000-ESDN	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	○	●●
Main Filter	Main Filter MG 140	145-2000-ESDN	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	○	●●
Main Filter	Main Filter MG 140 Solvent	145-2012-ESDN	●●●	●●●	●●●	●●	●●	●●	●●	●	●	●●	●●	●	●	●	●	●	●	●	●	●	○	●
Main Filter	Main Filter MG 140 Clean Room	145-2002-ESDN	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	○	●●
Main Filter	Main Filter MG 140 MEK	145-2003-ESDN	●●●	●	●	●	●●	●	●	●●	●●	●	●	●●	●●	●●●	●●	●●	●●	●●	●●	●	●	●●



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