

New in 2007

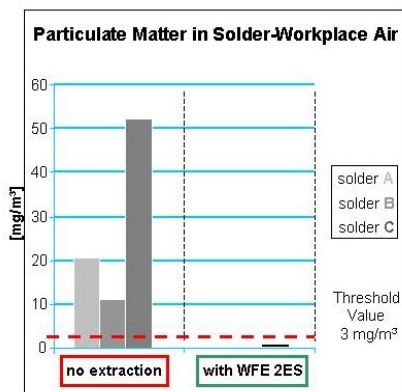
Weller Volume Extraction
System
WFE 2ES

Weller Info No. 2

New for 2007: Weller Volume Fume Extraction System WFE 2ES

Our testing conclusively prove that soldering with lead-free alloys creates a level of breathable air-borne pollutants which exceeds the safety threshold set for work places (q.v. a diagram). This is the solution for use in applications where volume extraction is the most suitable option e.g. solder baths, hot air soldering, micro soldering and gluing work.

Results of Measurements



Exceeding of Threshold without Fume Extraction

Lead-free

A	Sn99,3 Cu0,7 Flm2,5%
B	Sn99,3 Cu0,7 Flm2,2%
C	Sn99,3 Cu0,7 Flm3,5%

Key features of the WFE 2ES:

- The WFE 2ES guarantees a **filtration efficiency of 99,5%**. The **compact filter system** housed inside is made of a F5-class fine dust filter and a Puratex compact H12 Filter (with active carbon section) ensuring an efficient and reliable extraction function.
- The **powerful brush-less and maintenance free turbine** (1800 Pascal) extracts at a volume capacity of 220m³/h resulting in fast and effective removal of pollution from the air.
- The increased levels of air-borne pollutants produced at the work place by lead free soldering are safely and easily removed by the WFE 2ES.*
- **Low noise emission:** less than 55 dBA.
- Our **wide range of accessories** gives users a high degree of operational flexibility. Additionally there is **no need for specialist on-site installation** and combined with the low cash outlay this makes the WFE 2ES a highly efficient and cost-effective fume extraction system for up to two work places.

The WFE 2ES improves the soldering process by capturing the particles and pollutants produced and providing the operator with a comfortable, clean and safe working environment.

The WFE 2ES is now available.

* For further information to fume extraction please refer to http://www.weller.de/files/Fume_Extraction_GB.pdf



Technical Data WFE 2ES

Voltage	230 V / 50 Hz (115 V / 60 Hz)
Dimensions in mm	320 x 320 x 395 (L x W x H)
Electrical Power	115 VA
Noise level	52 db (A) at 1 m distance
Max. pressure	1800 Pa
Max. airflow	220 m ³ /h
Max. capacity	2 work places
Filter	Fine dust filter F5 HEPA filter H12 (99.5% against particle ca. 0.3 µm) combined with wide gas filter (active carbonate foam)

WFE 2ES KIT 230V (Order No. 005 36 516 99) and WFE 2ES KIT 115V (Order No. WFE2ESKIT) consists of:



005 36 506 99 WFE2ES	WFE 2ES 230V fume extraction unit or WFE 2ES 115V fume extraction unit
005 36 372 99	WFAF 50 extraction arm 1 m
005 87 353 27	extraction hose 50 mm, 3 m
005 36 379 99	WFTB 50 bench mounting bracket with damper for extraction arm
005 36 371 99	WFFMP 50 adaptor
005 87 358 79	hose clamp 50 – 70 mm (2 pcs.)

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