

Zero-Smog®

Series

**Weller** FT  
FILTER SYSTEMS



**Mobile Fume Extraction Filter Systems**

[www.wellerft.com](http://www.wellerft.com)

# Why Fume Extraction ?

Many work environments today, including soldering, adhesives, welding and laser applications, create particles and gases that can be harmful to the work place and the environment. Most people thought that the move to leadfree soldering would be more nature friendly. In reality leadfree soldering smoke emissions contain more breathable fine dust particles. More smaller particles are produced due to the higher working temperatures required and because more flux is used in the soldering process.

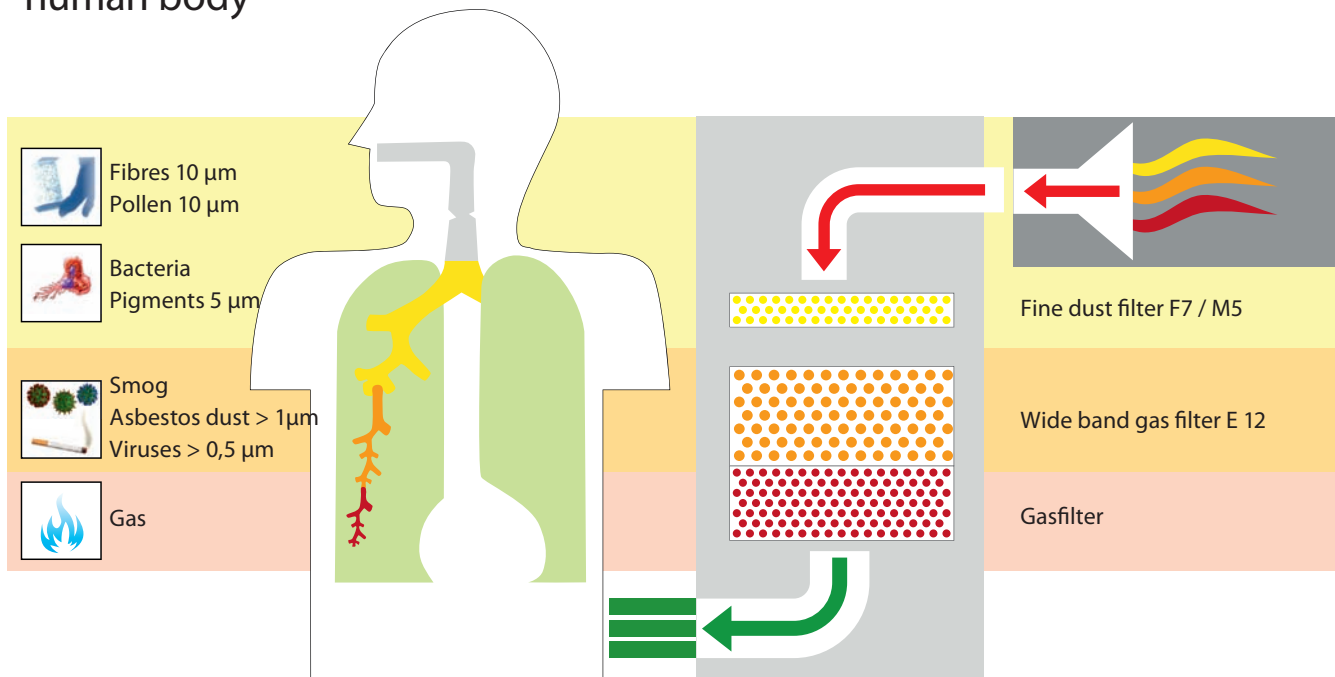
In many countries legal regulations governing clean air in the work place require that hazardous substances are removed from the air in order to avoid harmful effects on people and machines.

It is important to use the correct safety equipment to remove these hazardous substances. Fine particles are more dangerous to inhale than big particles as they get caught more easily and block the alveoli in the lungs.

To protect the operator it is important to use an extraction system that is able to separate these particles and gases and then re-circulates the cleaned air back into the work place. This saves energy and reduces energy costs.

- The smaller the particles are, the deeper they penetrate into the respiratory system
- The deeper the particles penetrate, the higher are the health risks
- The smallest particles travels via alveoli into the bloodstream

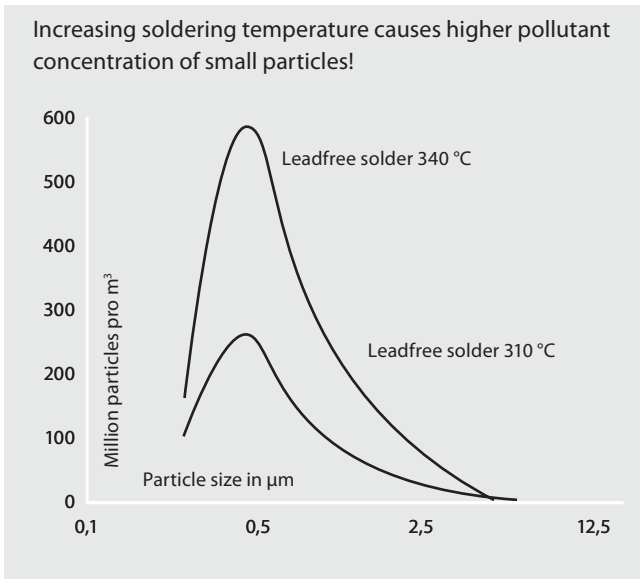
## Fine dust accumulation in the human body



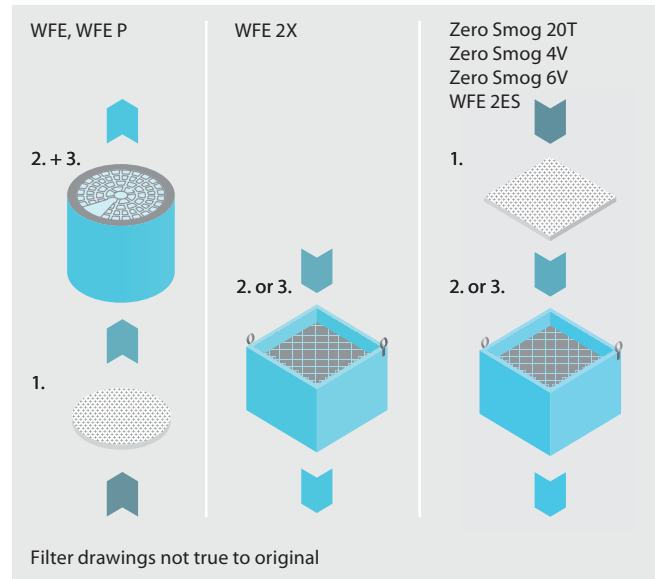
90 minutes soldering with leadfree solder wire



## Pollution concentration



## Filter process



## Filter classes and recommended applications

### 1. Fine dust filter

For standard applications with a small amount of flux and pollution gases with high solid content, Weller<sup>®</sup> FT offers filter classes M 5 or F 7.

### 2. Compact filter consisting of:

EPA filter

Filter particles up to 0,3 µm.

Weller<sup>®</sup> FT offers EPA (Efficiency Particulate Air) filters of class E 12, medium filtration efficiency 99,5%.

Wide band gas filter

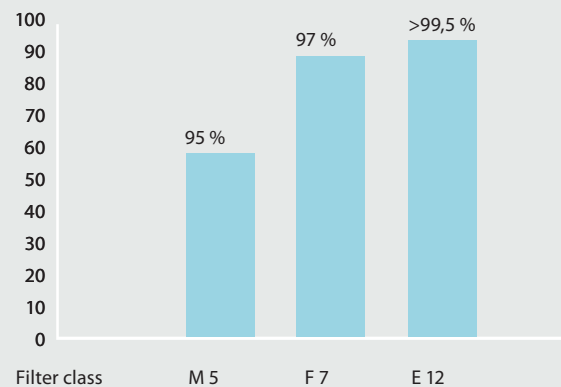
Wide band gas filter

For cleaning harmful fumes and vapours. The Weller<sup>®</sup> FT wide band gas filter consists of 50% active carbon and 50% Puratex. Harmful gases with a high molecular weight are cleaned by the active carbon. Puratex is suitable for absorbing gases of lower molecular weight. Because of its composition, Puratex is able to convert a large number of chemical pollutants by means of molecular modification into non-polluting gases.

### 3. Gas filter (option)

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% Puratex. The EPA E 12 is omitted.

Medium filtration efficiency Em % against particle size 0,12 µm





- Volume extraction with extraction arms
- Low underpressure
- High volume flow rate

For 1 extraction arm  $\varnothing$  60

- Volume flow rate = 50 – 80 [m<sup>3</sup>/h]
- Underpressure = 300 – 700 [Pa]

For 6 extraction arms  $\varnothing$  60

- Volume flow rate = 300 – 480 [m<sup>3</sup>/h]
- Underpressure = 300 – 700 [Pa]



Weller<sup>®</sup> FT Easy-Click-60 connection elements for quick and easy installation for volume extraction



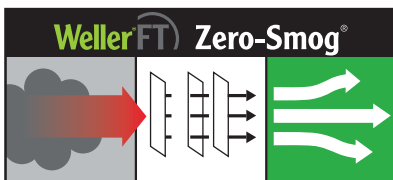
- The tube is positioned directly above the joint and collects any fumes produced.
- High underpressure
- Low volume flow rate

For 1 FE soldering iron

- Volume flow rate = 1 – 1,5 [m<sup>3</sup>/h]
- Underpressure = 10.000 [Pa]

For 25 soldering irons

- Volume flow rate = 25 – 30 [m<sup>3</sup>/h]
- Underpressure = 10.000 [Pa]





## WFE 2ES



change to silver grey colour in Q1 2014

**Spare filter**

Fine dust filter M 5  
T005 87 627 03

EPA Filter H12  
and active carbon  
T005 87 627 01

Set (M 5 + H 12)

**Sloped nozzle**

Sloped nozzle

Alpha nozzle

Exhaust hood

**Extraction arms Sets** see pages 14-16, 42-44

KIT 1 WF Nozzle sloped 60 mm

KIT 1 S WF

KIT 1 WF Funnel

KIT 1 WF 32

KIT 1 WF 60

**Accessories Installation**

Extraction arm

Extraction arm 32 mm incl. nozzle

Adapter Kit 50-60 mm

WFV Stop valve

Extraction hose 1 m, 3 m, 5 m

Adapter 40/60



Zero Smog 4V



**NEW COLOUR**  
from January 2014



Zero Smog 6V



**NEW COLOUR**  
from January 2014



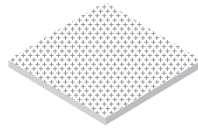
### Remote control



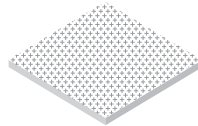
WX Adapter for  
Remote control  
T005 87 627 24

WX  
Connection cable  
T005 87 647 10

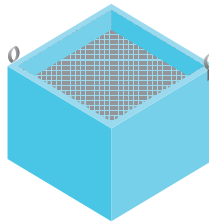
### Spare filter



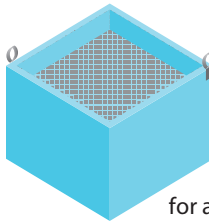
Fine dust filter M 5  
T005 87 359 37 (2S, 4V)  
T005 87 358 37 (4S, 6V)



Fine dust filter F 7  
T005 87 359 38 (2S, 4V)  
T005 87 358 36 (4S, 6V)



Compact filter  
T005 87 359 36 (2S, 4V)  
T005 87 358 38 (4S, 6V)

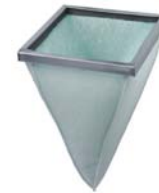


Compact filter  
for adhesive fumes  
T005 87 358 95 (2S, 4V)  
T005 87 358 35 (4S, 6V)

### Filter



Pocket filter F7



Filtering for  
sticky particles

### Adapter



ø 75 mm on Easy-Click 60

### End cap



Easy-Click 60,  
60 mm

Female adapter

Male adapter

T-piece with 2 male  
and 1 female adapter

Hose connector,  
angle

Hose connector,  
straight

# Volume Extraction

## Technical data



WFE 2ES

change to silver  
grey colour in  
Q1 2014

Dimensions L x B x H (mm):	320 x 320 x 395
Weight	9 kg
Voltage	230V, 50Hz / 120 V, 60 Hz
Sound level in 1m	55 dB (A)
Electrical power	115 VA
Max. vacuum	1800 Pa
Max. capacity	180 m <sup>3</sup> /h
Fine dust filter	Fine dust filter M 5
Filter	EPA Filter E 12 and active carbon (*Set incl. filter M 5)

**NEW COLOUR**  
 from January 2014



**Zero Smog 4V**

**NEW COLOUR**  
 from January 2014



**Zero Smog 6V**

Dimensions L x B x H (mm):	320 x 320 x 395	450 x 450 x 650
Weight	19 kg	40 kg
Voltage	230 V / 50 Hz (120 V / 60 Hz)	230 V / 50 Hz
Sound level in 1m	48 dB (A)	51 dB (A)
Electrical power	275 VA	460 VA
Max. vacuum	2700 Pa	2800 Pa
Max. capacity	230 m <sup>3</sup> /h	615 m <sup>3</sup> /h
Fine dust filter	Fine dust filter F 7	Fine dust filter F 7
Filter	Compact filter EPA filter E 12 (50% active carbon, 50% Puratex)	Compact filter EPA filter E 12 (50% active carbon, 50% Puratex)



# Volume Extraction



- Low maintenance
- Flexible
- Quick and easy installation
- For different applications



For applications where volume extraction is more suitable, e.g. solder baths, hot air soldering, micro solders and gluing work, Weller offers the mobile systems Zero Smog 4V and Zero Smog 6V. The units purify the air upto 8 workplaces. A wide range of accessory is available for each system.+

**NEW COLOUR**  
from January 2014



- Constant flow control (CFC)
- Efficiency test via USB port
- Acoustical and optical filter alarm

## Zero Smog 4V

- For upto 4 workplaces

Order-no.	Model	Description
T005 36 606 99	Zero Smog 4V	Mobile fume extraction unit 230 V / 50 Hz, for volume extraction with built in turbine

### Scope of supply:

Fume extraction unit 230 V / 50 Hz  
Filter (EPA filter E 12 and wide band gas filter 50% active carbon / 50% Puratex)  
Fine dust filter F 7

**NEW COLOUR**  
from January 2014



- Constant flow control (CFC)
- Efficiency test via USB port
- Acoustical and optical filter alarm

## Zero Smog 4V

- Includes adhesive fume filter
- For upto 4 workplaces

Order-no.	Model	Description
T005 36 616 99	Zero Smog 4V	Mobile fume extraction unit 230 V / 50 Hz for volume extraction with built in turbine with adhesive fume filter

### Scope of supply:

Fume extraction unit 230 V / 50 Hz  
Filter for adhesive fumes (wide band gas filter 50% active carbon / 50% Puratex)  
Fine dust filter F 7

## Zero Smog 4V Kit 1 sloped nozzle

- For upto 4 workplaces
- Set with 1 Extraction arm and Sloped nozzle



Order-no.	Model	Description
T005 36 636 99	Zero Smog 4V Kit 1 sloped nozzle	Mobile fume extraction kit 230 V / 50 Hz for 1 workplace - upgrading to 4 workplaces possible with further accessories
<b>Scope of supply:</b>		
T005 36 606 99	Zero Smog 4V	Fume extraction unit 230 V / 50 Hz Compact filter (EPA filter E 12 and wide band gas filter 50% active carbon / 50% Puratex) Fine dust filter F 7
T005 36 572 99		Kit 1 WF Sloped 60 for volume extraction (50% Active carbon , 50% Puratex)
<b>Consists of:</b>		
T005 36 578 99		Extraction arm
T005 36 577 99		Sloped nozzle
T005 36 574 99	WV 60	Stop valve incl. bench mounting brackets
T005 36 575 99		Bench mounting bracket
T005 36 576 99		Extraction hose

## Zero Smog 4V Kit 2 sloped nozzle

- For upto 4 workplaces
- Set with 2 Extraction arms and Sloped nozzle



Order-no.	Model	Description
T005 36 656 99	Zero Smog 4V Kit 2 sloped nozzle	Mobile fume extraction kit 230 V / 50 Hz for 2 workplaces - upgrading to 4 workplaces possible with further accessories
<b>Scope of supply:</b>		
T005 36 606 99	Zero Smog 4V	Fume extraction unit 230 V / 50 Hz Compact filter (EPA filter E 12 and wide band gas filter 50% active carbon / 50% Puratex) Fine dust filter F 7
2 x T005 36 572 99		KIT 1 WF Sloped 60 for volume extraction
<b>Consists of:</b>		
2 x T005 36 578 99		Extraction arm
2 x T005 36 577 99		Sloped nozzle
2 x T005 36 574 99	WV 60	Stop valve incl. bench mounting brackets
2 x T005 36 575 99		Bench mounting bracket
2 x T005 36 576 99		Extraction hose

## Zero Smog 4V Kit 1 Funnel nozzle

- For upto 4 workplaces
- Set with 1 Extraction arm and funnel nozzle



Order-no.	Model	Description
T005 36 626 99	Zero Smog 4V Kit 1 Funnel nozzle	Mobile fume extraction kit 230 V / 50 Hz for 1 workplace - upgrading to 4 workplaces possible with further accessories

### Scope of supply:

T005 36 606 99	Zero Smog 4V	Fume extraction unit 230 V / 50 Hz Compact filter (EPA filter E 12 and wide band gas filter 50% active carbon / 50% Puratex) Fine dust filter F 7
T005 36 571 99		Kit 1 WF Funnel 60 for volume extraction

### Consists of:

T005 36 578 99		Extraction arm
T005 36 573 99		Funnel nozzle
T005 36 574 99	WV 60	Stop valve incl. bench mounting brackets
T005 36 575 99		Bench mounting bracket
T005 36 576 99		Extraction hose

## Zero Smog 4V Kit 2 Funnel nozzle

- For upto 4 workplaces
- Set with 2 Extraction arm and funnel nozzle



Order-no.	Model	Description
T005 36 646 99	Zero Smog 4V Kit 2 Funnel nozzle	Mobile fume extraction kit 230 V / 50 Hz for 2 workplace - upgrading to 4 workplaces possible with further accessories

### Scope of supply:

T005 36 606 99	Zero Smog 4V	Fume extraction unit 230 V / 50 Hz Compact filter (EPA filter E 12 and wide band gas filter 50% active carbon / 50% Puratex) Fine dust filter F 7
2 x T005 36 571 99		KIT 1 WF Funnel 60 for volume extraction

### Consists of:

2 x T005 36 578 99		Extraction arm
2 x T005 36 573 99		Funnel nozzle
2 x T005 36 574 99	WV 60	Stop valve incl. bench mounting brackets
2 x T005 36 575 99		Bench mounting bracket
2 x T005 36 576 99		Extraction hose

## WFE 2ES Set

- For max. 2 workplaces
- Set with 1 Extraction arm and Funnel nozzle
- Economy solution



change to silver grey colour in Q1 2014

Order-no.	Model	Description
T005 36 516 89	WFE 2ES Set	Mobile solution for volume extraction for max. 2 workplaces, quick and easy to install for 1 workplace

### Scope of supply:

T005 36 506 99	WFE 2ES	Fume extraction unit - Compact filter, consists of: EPA filter E 12, active carbonate foam, Fine dust filter M 5
T005 36 571 99		KIT 1 WF Funnel 60 for volume extraction

### Consists of:

T005 36 578 99		Extraction arm
T005 36 573 99		Funnel nozzle
T005 36 574 99	WV 60	Stop valve incl. bench mounting brackets
T005 36 575 99		Bench mounting bracket
T005 36 576 99		Extraction hose

## WFE 2ES

- For max. 2 workplaces
- Economy solution



change to silver grey colour in Q1 2014

Order-no.	Model	Description
T005 36 506 99	WFE 2ES	Fume extraction unit 230 V with EPA filter E 12 active filter, fine dust filter M 5
T005 36 506 70	WFE 2ES	WFE 2ES with wide band gas filter for adhesive fumes



- Constant flow control (CFC)
- Efficiency test via USB port
- Acoustical and optical filter alarm

**NEW COLOUR**  
from January 2014

## Zero Smog 6V

- For upto 6 workplaces
- 1 connection included
- Further connections must be ordered separately

Order-no.	Model	Description
T005 36 666 99	Zero Smog 6V	Mobile fume extraction unit 230 V / 50 Hz, for volume extraction with built in turbine
<b>Scope of supply:</b>		
		Fume extraction unit 230 V / 50 Hz
T005 87 358 38		Compact filter, consists of EPA filter E 12 and wide band gas filter (50% Active carbon, 50% Puratex)
T005 87 358 37		Fine dust filter F 7



- Constant flow control (CFC)
- Efficiency test via USB port
- Acoustical and optical filter alarm

**NEW COLOUR**  
from January 2014

## Zero Smog 6V

- Fume extraction with adhesive fume filter
- For upto 6 workplaces
- 1 connection included
- Further connections must be ordered separately

Order-no.	Model	Description
T005 36 676 99	Zero Smog 6V	Mobile fume extraction unit 230 V / 50 Hz, for volume extraction with built in turbine and adhesive fume filter
<b>Scope of supply:</b>		
		Fume extraction unit 230 V / 50 Hz
T005 87 358 35		Compact filter for adhesive fumes (wide band gas filter 50% active carbon / 50% Puratex)
T005 87 358 37		Fine dust filter F 7

# Accessoires Volume Extraction: Extraction Arm Sets



## Easy Click 60 Kit 1 WF 32

- Microscope extraction arm
- With sloped nozzle



Order-no.	Model	Description
T005 87 627 70	Kit 1 WF 32	Easy-Click-60 Microscope Extraction arm Ø 32 mm, Set flexible, length 1 m

Consists of:

T005 36 574 99	Stop valve with bench mounting brackets
T005 36 576 99	Extraction hose flexible 3 m
T005 36 580 99	Extraction arm ø 32 mm

## Easy Click 60 Kit 1 WF Funnel

- With funnel



Order-no.	Model	Description
T005 36 571 99	Kit 1 WF	Easy-Click-60 Extraction arm with funnel, width 230 mm, height 100 mm, Set flexible, Ø 60 mm, length 1 m

Consists of:

T005 36 574 99	Stop valve with bench mounting brackets
T005 36 576 99	Extraction hose flexible 3 m
T005 36 578 99	Extraction arm ø 60 mm
T005 36 573 99	Funnel nozzle

## Easy Click 60 Kit 1 WF Nozzle

- With sloped nozzle



Order-no.	Model	Description
T005 36 572 99	Kit 1 WF	Easy-Click-60 Extraction arm with sloped nozzle, 60 mm, length 1 m

Consists of:

T005 36 574 99	Stop valve with bench mounting brackets
T005 36 576 99	Extraction hose flexible 3 m
T005 36 578 99	Extraction arm ø 60 mm
T005 36 577 99	Sloped nozzle



## Easy Click 60 Kit 1S WF Nozzle

- With sloped nozzle
- With 2 joint arms



Order-no.	Model	Description
T005 36 579 99	Kit 1S WF sloped nozzle	Easy-Click-60 2 joint aluminium arm with sloped nozzle, length 1,5 m
<b>Consists of:</b>		
T005 36 598 99		2 joint arms
T005 36 575 99		Bench mounting brackets
T005 36 576 99		Extraction hose flexible 3 m
		Extraction arm ø 60 mm, 0,7 m
T005 36 577 99		Sloped nozzle

## Easy Click 60 Kit 1S WF Funnel

- With funnel nozzle
- With 1 joint arms



Order-no.	Model	Description
T005 87 627 63	Kit 1S WF funnel nozzle	Easy-Click-60 Extraction arm with funnel nozzle with stop valve, length 1,20 m
<b>Consists of:</b>		
T005 87 627 47		1 joint arm with stop valve and bench mounting brackets
T005 36 576 99		Extraction hose flexible 3 m
		Extraction arm ø 60 mm, 0,7 m
T005 36 573 99		Funnel nozzle

# Accessories Volume Extraction: Extraction Arms

## Easy Click 60 WF 32

■ Ø 32 mm



Order-no.  
T005 36 580 99

Description  
ESD microscope extraction arm, flexible, Ø 32 mm

## Easy Click 60 Joint extraction arm

■ With single pivot arm



Order-no.  
T005 87 627 47

Description  
Aluminium stativ extraction arm ESD safe.

## Easy Click 60 Joint extraction arm

■ With dual pivot arm



Order-no.  
T005 36 598 99

Description  
Aluminium stativ extraction arm, ESD safe

## Exhaust hood



Order-no.  
 T005 87 358 45

Description  
 Exhaust hood, 200 x 100 mm (7.87 x 3.93 in), recommended for use with hot air soldering operations uses extraction hose 60. Metal black.

## Remote control



Order-no.  
 1 T005 87 359 09  
 2 T005 36 593 99

Description  
 For WFE 2S, WFE 4S, Zero Smog 4V, WFE 20D, Zero Smog 20T  
 For WFE 2X

## RS 232 Interface cable



Order-no.  
 T005 31 191 99

Description  
 Interface cable RS 232, 2 m (78.74 in) for remote control or monitoring by PC (type 1:1) (T005 87 359 09)

Order-no.  
 T005 87 627 24

Description  
 Adapter Remote control Zero Smog 4V

Order-no.  
 T005 87 647 10

Description  
 Cable WX

## Exhaust connector

- For Zero Smog 6V



change to silver grey  
colour in Q1 2014

Order-no.  
T005 87 358 40

Description  
Exhaust connector DN 100 for Zero Smog 6V  
and WFE 4S

## Exhaust connector

- For Zero Smog 4V  
Zero Smog 6V

Order-no.  
T005 87 359 15

Description  
Exhaust connector DN 75  
for WFE 2S, Zero Smog 4V, Zero Smog 6V

# Accessories Installation Volume Extraction

## Extension hose 60 Sold by metre



Order-no.  
T005 87 620 36

Description  
Extension hose, heavy construction,  
sold by metre (max. length 15 m)

## Hose connection 60 mm



Order-no.  
T005 87 627 68

Description  
Hose connection 60 mm for flexible hose,  
sold by the metre T005 87 620 36.

## Easy Click 60 Female adapter



Order-no.  
T005 87 627 72

Description  
Female adapter for installation e.g. stop valve on  
fume extraction units

## Easy Click 60 Male adapter



Order-no.  
T005 87 627 55

Description  
Male adapter for hose extension, Ø 60 mm

Easy Click 60  
 Hose connector, straight



Order-no.  
 T005 87 627 67

Description  
 Hose connector, straight for WFE 2S / WFE 4S,  
 Zero Smog 4V / Zero Smog 6V and pre filter box

Easy Click 60  
 Hose connector,  
 angle 90°



Order-no.  
 T005 87 627 69

Description  
 Hose connector, angle 90° for WFE 2S / WFE 4S,  
 Zero Smog 4V / Zero Smog 6V and pre filter box

Easy Click 60  
 WFV 60 Stop valve



Order-no.  
 T005 36 574 99

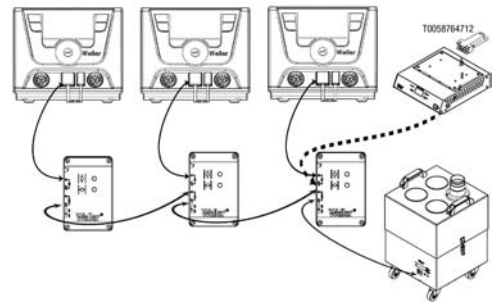
Description  
 WFV 60 Stop valve incl. bench mounting brackets

Easy Click 60  
 WFV 60 A



Order-no.  
 T005 87 627 46

Description  
 WFV 60 A Stop valve 230 V



Easy Click 60  
 WFV 60  
 Stop valve



Order-no.  
 T005 87 627 65

Description  
 WFV 60 Stop valve for extraction arm

Easy Click 60  
 Butterfly valve  
 Spare



Order-no.  
 T005 87 628 08

Description  
 Butterfly valve for WFV 60 stop valve



## Easy Click 60 T-piece



Order-no.  
T005 87 627 66

Description  
T-piece with 2 male connections and  
1 female connection

## Easy Click 60 End Cap



Order-no.  
T005 87 627 74

Description  
End Cap 60 mm click connections

## Hose adapter Ø 50 mm



Order-no.  
T005 87 627 53

Description  
Easy-Click hose adapter for WFE 2ES  
– with Silicon O-Ring, Ø 50 mm

## Bench mounting brackets



Order-no.  
T005 36 575 99

Description  
Bench mounting brackets (2 clamp)

### Adapter ø 75 mm



Order-no.  
T005 87 627 71

Description  
Adapter ø 75 mm for Easy-Click 60

### Adapter 40/60



Order-no.  
T005 87 627 50

Description  
40/60 Adapter for Easy Click 60 Extraction arms on 50 mm WFEMP50 power socket

### Hose clamp 50 – 70 mm



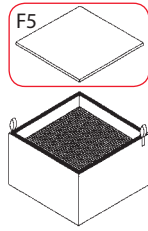
Order-no.  
T005 87 358 79

Description  
Hose clamps 50 – 70 mm, 2 pieces,  
for securing extraction hose 50 mm

# Accessories Fume Extraction

## Fine dust filter M 5

- For WFE 2S,  
Zero Smog 4V
- 10 pieces

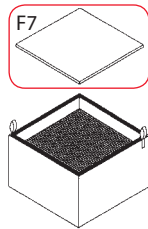


Order-no.  
T005 87 359 37

Description  
Fine dust filter for WFE 2S, Zero Smog 4V

## Fine dust filter F 7

- For WFE 2S,  
Zero Smog 4V
- 10 pieces

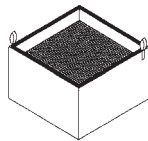


Order-no.  
T005 87 359 38

Description  
Fine dust filter for WFE 2S, Zero Smog 4V

## Compact filter

- For WFE 2S,  
Zero Smog 4V

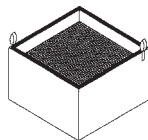


Order-no.  
T005 87 359 36

Description  
Compact filter for WFE 2S, Zero Smog 4V,  
EPA filter E 12 EN 1822  
and 50% active carbon, 50% Puratex

## Wide band gas filter

- For WFE 2S,  
Zero Smog 4V
- From October 2013 supplied  
in card-board housing

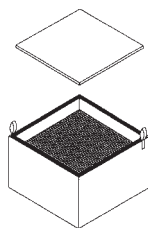


Order-no.  
T005 87 358 95

Description  
Compact filter for adhesive fume, wide band gas  
filter (50% active carbon, 50% Puratex)

## Filterset E 12

- For WFE 2ES,  
WFE 2CS



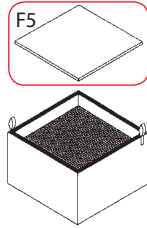
Order-no.  
T005 87 627 01

Description  
Filterset E 12 with 10 Prefilter M 5,  
EPA Filter E 12, wide band gas filter  
active carbon)

(10%

## Fine dust filter M 5

- For WFE 2ES / CS
- 10 pieces

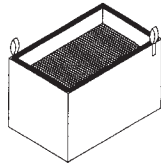


Order-no.  
T005 87 627 03

Description  
Fine dust filter M 5

## Compact filter

- For WFE 2X



Order-no.  
T005 36 590 99

Description  
EPA Filter E 12, wide band gas filter  
(50% active carbon / 50% Puratex)

## Pocket filter F 7 for WFE 2X

- For Pre filter box WFE 2X

Order-no.  
T005 87 627 58

Description  
Pocket filter for Pre filter box for WFE 2X

## Pocket filter F 7

- For WFE 2S / WFE 4S,  
Zero Smog 4V /  
Zero Smog 6V

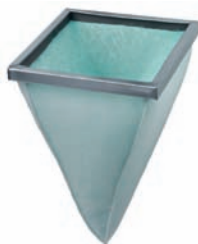


Order-no.  
T005 87 358 60

Description  
Pocket filter F 7.  
For applications with a high fine dust rate.

## Filtring ash

- For Pre filter box
- For WFE 2S / WFE 4S,  
Zero Smog 4V /  
Zero Smog 6V

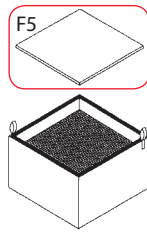


Order-no.  
T005 87 359 24

Description  
Filtering fine dust for sticky particles  
(e.g. large quantities of liquid flux)

## Fine dust filter M 5

- For Zero Smog 20T / WFE 20D and Zero Smog 6V / WFE 4S
- 10 pieces

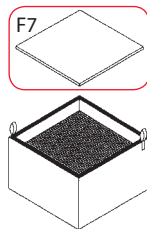


Order-no.  
T005 87 358 37

Description  
Fine dust filter M 5

## Fine dust filter F 7

- For Zero Smog 20T / WFE 20D and Zero Smog 6V / WFE 4S
- 10 pieces

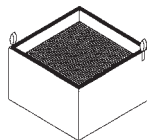


Order-no.  
T005 87 358 36

Description  
Fine dust filter F 7

## Compact filter

- For Zero Smog 20T / WFE 20D and Zero Smog 6V / WFE 4S

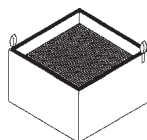


Order-no.  
T005 87 358 38

Description  
Compact filter  
EPA filter E 12, wide band gas filter  
(50% active carbon, 50% Puratex)

## Adhesive fume filter

- For Zero Smog 6V / WFE 4S
- For adhesive fumes



Order-no.  
T005 87 358 35

Description  
Compact filter for adhesive fumes,  
wide band gas filter  
(50% active carbon, 50% Puratex)

## Pipe System 75 Volume Extraction

Volume extraction systems require a large volume of air to be extracted and the level of vacuum is of lesser importance. This means that a relatively large diameter pipe system is required. If the pipe diameter was too small the flow resistance would increase and extraction capacity reduced. The pipe system 75 allows installations up to 30 m with the WFE 45 uses in a stand alone system. The pipe sections are designed to stick together and have internal sealing bushes. \*PEHD = Polyethylen high density, PE = Polyethylen.

### Pipe 2 m



Order-no. T005 87 358 70	Description Pipe 2 m, with seal at one end, plastic, PEHD black
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### Right angle pipe 90°



Order-no. T005 87 358 69	Description Right angle pipe, 90°, 0,2 m, with seal at one end, plastic, PEHD black
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### T-piece 2 x 90°



Order-no. T005 87 358 71	Description T-piece, 2 x 90°, 0,5 m, with 3 seals, plastic, PEHD black
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### End seal



Order-no. T005 87 358 55	Description End seal, PE, transparent
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### Pipe clamps



Order-no. T005 87 358 64	Description Pipe clamps, PE, grey
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### Adapter



Order-no. T005 87 358 63	Description Adapter PEHD pipe system 75 to pipe system 50, with seals 2 seals
T005 87 358 56	Adapter PEHD pipe system 75 to pipe system 50, without seals



# Tip Extraction



WFE

change to silver grey colour in Q1 2014

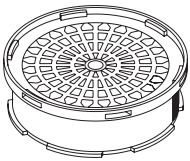


WFE P

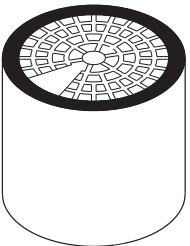
change to silver grey colour in Q1 2014



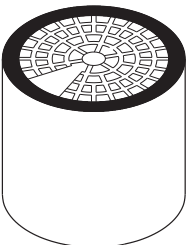
## Spare filter



Compressed air cleaning filter



Compact filter



Compact filter for adhesive fumes



Fine dust filter F 7

## Safety rests



KHP 81



KHE 81



KHE / KHP 81  
Additional safety rest

## FE Soldering Irons



FE 75  
LT Soldering tips



FE 80  
HT Soldering tips

## Attachments and Accessories



FE-Attachment



Extraction hose 5 mm



Locking clip



FE-Attachment



FE-Clip-Set Pipe Ø 6mm



FE-Clip-Set Pipe Ø 4,5 mm

## Pipe system 50 and Accessories



Pipe 2 m



Right angle pipe 0°, 0,2 m



T-piece 2 x 90°, 0,5 m



Branch  
2 x 45°, 0,3 m



Double socket



End seal



Pipe clamps



**Zero Smog 20T**

**NEW COLOUR**  
from January 2014



**Interface cable**

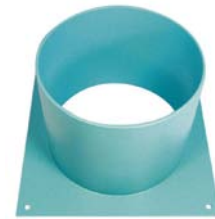


WX Adapter for Zero Smog 20T with remote control T005 87 627 24  
WX Connection cable T005 87 647 10

**Remote control**



**Exhaust connector**



change to silver grey colour in Q1 2014

DN 100

**Accessories**



Extraction hose 40, 1 m complete with 2 connecting elements



Extension hose 5,0 m, DN 17



Extraction hose 40, sold by metre



Connection nipple DN 17 + Nut G 3/8" for connection nipple



Connection element



Adapter DN 17 for connection extension hose 17 with 5 mm hose of FE iron

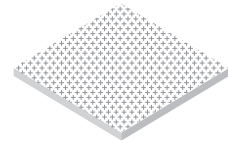


End cap

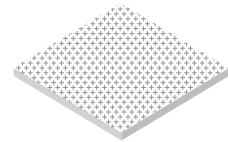


Connection nipple for 5 mm hose of FE iron for direct connection to pipe system

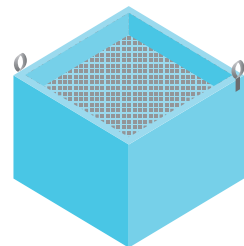
**Spare filter**



Fine dust filter M 5



Fine dust filter F 7



Compact filter

# Tip Extraction

The Weller FT Zero Smog Systems put an end to air pollution caused by soldering, adhesives and laser work. In all of these applications fumes or fine particles are released into the work place atmosphere which are hazardous to the staff exposed to them. The Weller Zero Smog Systems' combination of pumps, electronic controls and filters removes this hazard.

## Tip Extraction

Weller FT FE soldering irons have an integral smoke tube mounted in the handle. It is positioned directly above the joint during the soldering process to collect any fumes generated. Fume extraction irons can be connected to Weller Zero Smog Systems WFE and WFE P bench mounted units driving up to 2 irons or Zero Smog 20T mobile unit driving up to 20 irons. Fume extraction attachments can be retro fitted to non fume extraction Weller soldering irons.



## WFE P

- For 2 soldering irons
- Compressed air operated



low sound



change to silver  
grey colour in  
Q1 2014

Order-no.	Model	Description
T005 36 402 99	WFE	Portable fume extraction unit for tip suction , compressed air operation

### Scope of supply:

Fume extraction unit  
Compressed air cleaning filter  
Compact filter (EPA filter E 12 and wide band gas filter 50% active carbon / 50% Puratex)  
Fine dust filter F 7

## WFE P

- For 2 soldering irons
- With built in pump



low sound



change to silver  
grey colour in  
Q1 2014

Order-no.	Model	Description
T005 36 386 99	WFE P	Portable fume extraction unit for tip suction with built in pump (do not use for 24 h continuous operation)

### Scope of supply:

Fume extraction unit 230 V / 50 Hz  
Compact filter (EPA filter E 12 and wide band gas filter 50% active carbon / 50% Puratex)  
Fine dust filter F 7



**NEW COLOUR**  
from January 2014

**WX**  
compatible

## Zero Smog 20T

■ For 20 soldering irons



low sound

Order-no.	Model	Description
T005 36 706 99	Zero Smog 20T	Fume extraction unit 230 V / 50 Hz, for tip suction with built in turbine

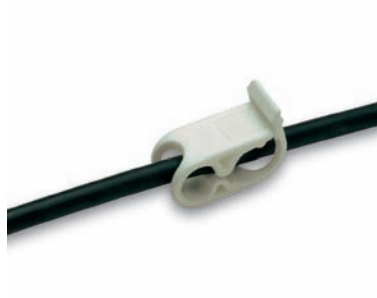
### Scope of supply:

Fume extraction unit 230 V / 50 Hz  
Compact filter (EPA filter E12 and wide band gas filter 50% active carbon / 50% Puratex)  
Fine dust filter F 7

### Specifications Zero Smog 20T

Dimensions L x B x H	450 x 450 x 695 mm
Weight	45 kg
Mains supply voltage	T005 36 706 99: 230 V / 50 Hz T005 36 702 99: 120 V / 60 Hz
Electrical power rating	530 VA
Fuse	T 3, 15 A
Maximum vacuum	10.000 Pa
Maximum quantity supplied	100 m <sup>3</sup> /h
Noise emission level	51 dB(A)
Pre filter Stage 1	Pre filter mat class F7
Combined filter Stage 2,3	Combined E12 high efficiency submicron filter (99.95 % particle separation upto 0.12 µm) and wide band gas filter (50 % activated carbon, 50 % Puratex)
RS232 port	All system functions can be operated and remotely monitored via the RS232 port.
USB port	The USB port can be used to load firmware updates, run efficiency tests and log data. Do not leave the USB medium inserted for longer than 2 minutes. After this time expires, the USB module will switch off automatically.

# Accessories Tip Extraction



## FE 75 Set

Order-no.	Model	Description
T005 33 151 99	FE 75 Set	FE-Soldering iron Set 80 W / 24 V
Scope of supply:		
T005 29 166 99	FE 75	FE-Soldering iron 80 W / 24 V with soldering tip LT B
T005 15 020 99	KH 20	Safety rest
T005 87 447 28		Funnel for FE 75
T005 25 409 99		Cleaning brush for FE tube



## FE 80

Order-no.	Model	Description
T005 26 162 99	FE 80	FE-Soldering iron 80 W / 24 V
Scope of supply:		
	FE 80	FE-Soldering iron 80 W / 24 V with soldering tip HT B
T005 87 337 59		Funnel for FE 80
T005 25 409 99		Cleaning brush for FE tube
Please order related safety rest KH 20 separately!		

## Accessories for FE-soldering irons

### Safety rest KH 20



Order-no.	Description
T005 15 020 99	KH 20 Safety rest

### Locking clip



Order-no.	Description
T005 36 352 99	Locking clip for extraction hose

### Extraction hose



Order-no.	Description
T005 25 410 00	Extraction hose (spare), by metre, 5 mm

## FE attachments

A range of FE attachments is available to fit to Weller soldering and desoldering irons to convert standard products to fume extraction versions. The attachments are supplied with all necessary fittings and hoses. The performance of the retro fitted tools is not affected.



Order-no.	Description
T005 25 125 99	FE-attachment for LR 21, LR 82, TCPS, W 61, W 101, WP 200, WXP 200, WSP 150
T005 28 126 99	FE-attachment for WSF 80D5/D8 for AKS safety rest
T005 13 125 99	FE-attachment for DS 22, DS 80 and DSX 80 desoldering iron

## Universal FE attachments

For Weller soldering irons WP 80, WSP 80, WMP, WMRP, MLR 21 or soldering irons with handle diameter Ø 10-13 mm. Clip will be fasten with an O-ring to the soldering iron.



Order-no.	Description
T005 29 186 99	FE-attachment with tube Ø 6 mm for WSP 80, WP 80, MLR 21, WMP, WP 120
T005 29 214 99	FE-attachment with tube, Ø 6 mm for WP 65 and WP 120



T005 29 185 99	FE-attachment with tube Ø 4,5 mm, for WMRP and WSP 80, WP 80, MLR 21, MLR 80, WMP, for fine soldering applications
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T005 87 448 75	FE-Clip-Set for FE-attachment, tube Ø 4,5 mm
T005 87 448 76	FE-Clip-Set for FE-attachment, tube Ø 6,0 mm



T005 87 657 98	FE-Add-on kit, attachment tube Ø 6 mm WXP 120
T005 87 657 99	FE-Add-on kit, attachment tube Ø 6 mm WXP 65

## Safety rest WDH 50

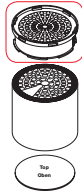
■ With Stop+Go function



Order-no.	Model	Description
T005 15 156 99	WDH 50	Safety rest with Stop+Go function for WMRP iron with FE-attachment

## Compressed air cleaning filter

- For WFE and WFE P

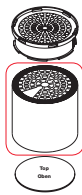


Order-no.  
T005 87 357 57

Description  
Compressed air cleaning filter (active carbon)

## Compact filter

- For WFE, WFE P / FT 12

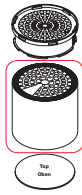


Order-no.  
T005 36 410 99

Description  
Compact filter (EPA filter E 12 and wide band gas filter 50% active carbon / 50% Puratex)

## Compact filter

- For adhesive fumes
- For WFE and WFE P

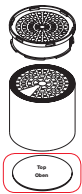


Order-no.  
T005 36 407 99

Description  
Compact filter (EPA filter E 12 and wide band gas filter 100% active carbon)

## Fine dust filter F 7

- For WFE, WFE P / FT12 / FT12PF
- 3 pieces

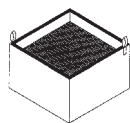


Order-no.  
T005 36 421 99

Description  
Fine dust filter F7

## Compact filter

- For Zero Smog 20T / WFE 20D

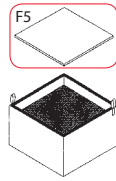


Order-no.  
T005 87 358 38

Description  
Compact filter (EPA filter E 12 and wide band gas filter 50% active carbon / 50% Puratex)

## Fine dust filter M 5

- For Zero Smog 20T / WFE 20D
- 10 pieces



Order-no.

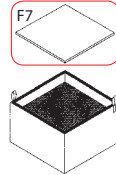
T005 87 358 37

Description

Fine dust filter M 5 for Zero Smog 20T / WFD 20D

## Fine dust filter F 7

- ForZero Smog 20T / WFE 20D
- 10 pieces



Order-no.

T005 87 358 36

Description

Fine dust filter F 7 for Zero Smog 20T / WFD 20D

## Pipe System 50

Tip extraction systems demand a high value and constant level of vacuum across the installation, the volume of air extracted is of lesser importance. To achieve this it is necessary to use a pipe system with Zero Smog 20T small diameter. The Weller FT pipe system 50 allows extraction installations of up to 200 m when used with the WFE 20D unit in a stand alone system. The pipe sections are designed to stick together and have internal sealing bushes. In a central system, the FE irons are connected directly to the fume extraction units.

\*PEHD = Polyethylen high density

### Pipe 50, 2 m



Order-no.

T005 36 323 99

Description

Pipe 2 m, with seal at one end, plastic, PEHD black

### Right angle pipe 50, 90°



Order-no.

T005 36 322 99

Description

Right angle pipe 90°, 0,2 m, with seal at one end, PEHD black

### T-piece 50 2 x 90°



Order-no.

T005 36 344 99

Description

T-piece 2 x 90°, 0,5 m, with 3 seals, plastic, PEHD black

### Branch 50 2 x 45°



Order-no.

T005 36 321 99

Description

Branch 2 x 45°, 0,3 m, with 2 seals, plastic, PEHD black



# Accessories Tip Extraction

## Pipe clamps 50



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Order-no.	Description
T005 36 329 99	Pipe clamps for 50 pipe system, grey

## End seal 50



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Order-no.	Description
T005 36 324 99	End seal, PE, transparent

## Double socket 50



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Order-no.	Description
T005 36 319 99	Double socket for pipe system 50, PEHD black

## Extraction hose 40



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Order-no.	Description
T005 36 316 99	Extraction hose 40, 1 m, Ø 40 mm, complete with 2 connecting elements

## Extraction hose 40



---

Order-no.	Description
T005 36 414 00	Extraction hose 40, Ø 40 mm, without connecting elements, sold by metre

## Connection element 40-50



Order-no.	Description
T005 36 415 99	Connection element 40-50

## Extension hose DN 17



Order-no.	Description
T005 36 326 99	Extension hose DN 17, 5 m



Order-no.	Description
T005 36 338 99	Connection nipple for extraction hose 5 mm (T005 25 410 00)

## End cap



Order-no.	Description
T005 87 350 50	End cap for connection nipple (T005 36 338 99)

## Adapter



Order-no.	Description
T005 36 343 99	Adapter for connection extension hose 17 with 5 mm extraction hose (T005 36 326 99), 5 mm

## Connection nipple



Order-no.	Description
T005 87 358 65	Connection nipple on extension hose DN 17 (T005 36 326 99)

## Nut G 3/8"

Order-no.	Description
T005 87 358 66	Nut G 3/8" for connection nipple (T005 87 358 99), 3 pieces

## Connection adapter



Order-no.	Description
T005 87 628 10	Connection adapter for Zero Smog 20 T

## Safety Rests with Stop+Go function for FE Irons with WFE or WFE P

The Weller safety rests with Stop+Go function are recommended accessories for FE irons using the WFE or WFE P extraction units. A fibre optic sensor switches the extraction unit on when the FE iron is removed from the safety rest and when the FE iron is replaced in the safety rest, after a short delay to gather the fumes from any solder on the tip it switches the unit off. This reduces running costs.



### KHP

Order-no.	Model	Description
T005 15 086 99	KHP	Basic unit pneumatic (for WFE) safety rest with Stop+Go function with fibre optic sensor for FE 75 and FE 80



### KHE

Order-no.	Model	Description
T005 15 076 99	KHE	Basic unit electric (for WFE P) safety rest with Stop+Go function with fibre optic sensor for FE 75 and FE 80



### KHE/P

Order-no.	Model	Description
T005 15 080 99	KHE/P	Second safety rest with fibre optic sensor for extending to 2 workplaces



### KHP 81

Order-no.	Model	Description
T005 15 168 99	KHP 81	Basic unit electric (for WFE) safety rest with Stop+Go function with fibre optic sensor for WSP 80, WP 80, WP 120



### KHE 81

Order-no.	Model	Description
T005 15 167 99	KHE 81	Basic unit electric (for WFE P) safety rest with Stop+Go function for soldering irons WSP 80, WP 80, WP 120 with fibre optic sensor



### KHE / KHP 81

Order-no.	Model	Description
T005 15 161 72	WDH 10T OPTO	Second safety rest for KHE / KHP with fibre optic sensor for extending to 2 workplaces



### KH 6

Order-no.	Model	Description
T005 15 006 99	KH 6	Safety rest for FE 75, FE 80



### WDH 30

Order-no.	Model	Description
T005 15 152 99	WDH 30	Safety rest for FE 75, FE 80 and LR 21, LR 82 and TCPS with FE attachment

## MG140

Cost effective fume extraction system for up to two work stations.

The filter system is equipped with an effective 3-stage filter; an inbuilt pre filter, a HEPA class particle filter H13 and a deep bed gas filter.

Can be equipped with a special filter suitable for different applications.



CLEANROOM



MEK



SOLVENTS/VOC

### Technical data

Max suction capacity, m <sup>3</sup> /h	100
Blower capacity, m <sup>3</sup> /h	140
Sound level dB(A) at 1 m	< 44
Height, mm	640
Width, mm	340
Depth, mm	340
Weight, kg	18



Art. number	Description
145-1000-ESD	MG140 Filter system
145-1002-ESD	MG140 Filter system Cleanroom - NEW -



**NEW COLOUR**  
from Q1 2014

## MG100

MG100 is a filter system with connection for one or two extraction arms.

Suitable applications are soldering, gluing, solvents etc. Can be equipped with a special filter suitable for different applications.



MEK



AMMONIA



SOLVENTS/VOC

### Technical data

Max suction capacity, m <sup>3</sup> /h	100
Blower capacity, m <sup>3</sup> /h	140
Sound level dB(A) at 1 m	< 48
Height, mm	640
Width, mm	460
Depth, mm	210
Weight, kg	15



**NEW COLOUR**  
from Q1 2014

Art. number	Description
100-1000-ESD	MG100 Filter system

## MP140 Kit

MP140 is a small, mobile filter system designed with filter alarm.

MP140 Kit 3 is a complete kit for two workstations. Is delivered with a set for table mounting and two flexible arms with N nozzles.

### Technical data

Max suction capacity, m <sup>3</sup> /h	100
Blower capacity, m <sup>3</sup> /h	140
Sound level dB(A) at 1 m	< 54
Height, mm	440
Width, mm	420
Depth, mm	200
Weight, kg	8



Art. number	Description
140-1000-ESD	MP140 Filter system
140-1013-ESD	MP140 Kit 3



MP140 Kit 3

change to silver  
grey colour in  
Q1 2014

## Accessories

Art. number	Description
PF-1000	Pre filter MG100, MP140
700-3043-ESD	Y-connection with quick connections
700-3057	Remote control, MG-units, version 2
700-3058	Remote control MG-units, IR, version 2
800-5001	Connection hose aluminium coated Ø 100 mm, by meter (max length 6 m/pc)
800-5011-ESD	Connection hose aluminium coated Ø 160 mm, by meter (max length 6 m/pc)
800-5002	Reduction 100/63 mm incl. quick connection
800-5004	Reduction 80/63 mm incl. quick connection
800-5012	Reduction 160/100 mm
700-3070	MG communication

Art. number	Description
780-3001-ESD	Table mounting set for MG100, MP140



## Spare parts

Art. number	Description
300-5008	Power supply MG100S, MP140
300-5010	Power supply MG75/MG95

Art. number	Description
700-3040-ESD	Connection hose Ø 65 mm incl. quick connections, length 1 000 mm
700-3041-ESD	Connection hose Ø 65 mm incl. quick connections, length 2 000 mm
700-3051-ESD	Connection hose Ø 65 mm incl. quick connections, length 3 000 mm
700-3053-ESD	Connection hose Ø 65 mm incl. quick connections, length 5 000 mm



## Extraction arms 3446

Diameter, mm	Arm Ø 60
Measure/arm part, mm	230 / 700
Total measure, mm	930



Art. number	Description
FT-3446	Extraction arm with air valve and ball point tablet bracket



## Extraction arms 3417

Diameter, mm	Arm Ø 60
Measure/arm part, mm	350 / 475 / 230 / 500
Total measure, mm	1555



Art. number	Description
FT-3417	Extraction arm with two joints, horizontal link, table bracket, with air valve.



## Extraction arms 3413

Diameter, mm	Arm Ø 60
	Nozzle Ø 50
Measure/arm part, mm	350 / 475 / 230 / 105-235
Total measure, mm	1160-1290



Art. number	Description
3413	Extraction arm with two joints, horizontal link, table bracket, P nozzle, with air valve.





## Extraction arms 3470

Diameter, mm	Arm Ø 60
Measure/arm part, mm	350 / 230 / 700
Total measure, mm	1280



Art. number	Description
FT-3470	Extraction arm with one joint, wall from top and air valve.

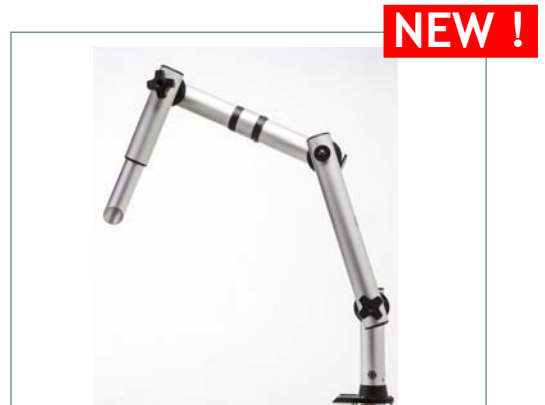


## Extraction arm 3475

Diameter, mm	Arm Ø 60
Measure/arm part, mm	350 / 475 / 475 / 230 / 105-235
Total measure, mm	1635-1765



Art. number	Description
FT-3475	Extraction arm with three joints, horizontal link, table bracket, P nozzle and air nozzle.



## Flexible hose/arm



Art. number	Description
0F05	Flexible, adjustable arm 500 mm incl. connection (female) in both ends.
0F07	Flexible, adjustable arm 700 mm incl. connection (female) in both ends.
0F10	Flexible, adjustable arm 1000 mm incl. connection (female) in both ends.
0F15	Flexible, adjustable arm 1500 mm incl. connection (female) in both ends.
0F20	Flexible, adjustable arm 2000 mm incl. connection (female) in both ends.



## Extraction arms 4401

Diameter, mm	Arm Ø 60
	End part Ø 32
Measure/arm part, mm	350 / 230 / 700
Total measure, mm	1280



Art. number	Description
FT-4402	Extraction arm with one joint, table bracket, two Easy Click Connectors and air valve.



## Flexibel hose / arm Ø 32 mm



Art. number	Description
3-0F05	Flexible, adjustable arm 500 mm incl. connection (female) in one end.
3-0F07	Flexible, adjustable arm 700 mm incl. connection (female) in one end.
3-0F15	Flexible, adjustable arm 1500 mm incl. connection (female) in one end.



## ALFA

Width, mm	225
Height, mm	100
Connection	Quick connection Ø 60



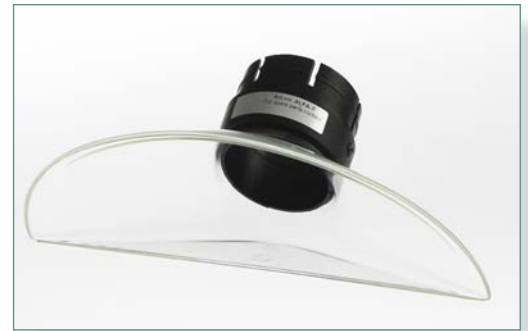
Art. number	Description
ALFA	Plastic nozzle, ESD, black, fits extraction arm with flexible hose*.



## ALFA-T

Width, mm	225
Height, mm	100
Connection	Quick connection Ø 60

Art. number	Description
ALFA-T	Plastic nozzle, fits extraction arm with flexible hose*.



no more antistatic

## N

Diameter, mm	50
Length, mm	130
Connection	Quick connection Ø 60



Art. number	Description
FT-N	Metal tube nozzle, short, ESD, fits extraction arm with flexible hose part*.



## N 32

Diameter, mm	31
Length, mm	100
Connection	only 32 arm



Art. number	Description
T0058762834	Metal tube nozzle, sloped, ESD, for 32 mm flex arms.



## NS

Width, mm	190
Height, mm	100
Connection	Quick connection Ø 60



Art. number	Description
FT-NS	Metal tube nozzle, short with grid, ESD, fits extraction arm with flexible hose*.



\* to be mounted on an extraction arm without flexible hose, adapter Z is needed. See Extraction arms - accessories.

## U

Diameter, mm	190
Length, mm	100
Connection	Quick connection Ø 60



Art. number	Description
FT-U	Black nozzle, ESD, fits extraction arm with flexible hose*.

## NL

Diameter, mm	60
Length, mm	130
Connection	Quick connection Ø 60



Art. number	Description
FT-NL	Metal tube nozzle, short, ESD, fits extraction arm without flexible hose.

## P

Diameter, mm	50
Length, mm	300



Art. number	Description
FT-PP	Metal tube nozzle, short, ESD, fits extraction arm without flexible hose.

\* to be mounted on an extraction arm without flexible hose, adapter Z is needed. See Extraction arms - accessories.

## Accessories

Art. number	Description
Z	Adapter, ESD
700-3026	Cleaning brush for MG extraction arms
700-3056	Net for nozzles (5 pcs) incl. 1 springblade

## FT12

Filter unit with two inlets for two soldering irons.  
High vacuum system driven by compressed air.

The main filter has an integrated particle filter (HEPA) and gas- and dust filter for best function and easy filter exchange.

### Technical data

Max suction capacity, l/m	20-50
Sound level dB(A) at 1 m	< 37
Height, mm	200
Diameter, mm	120
Weight, kg	1,5



Art. number	Description
112-0000-ESD	FT12 Filter system



change to silver grey  
colour in Q1 2014

### Clip-on kits

Clip-on kits consists of: 1 clip, 1 spot suction nozzle, 2 m hose, 5 pcs e-clips and 1 cleaning brush.

*Note! Soldering iron is NOT included.*

We offer you clip-on kits for most models of soldering irons.

Art. number	Description
001-0043-ESD	Clip-on kit universal (model 3). For soldering irons from ERSA, Hakko, Weller, Metcal etc.
001-1044-ESD	Clip-on kit universal (model 4).
001-0051-ESD	Clip-on kit ERSA Micro tool
001-0093	Clip-on kit Weller WSP80/MLR21 MT1500, Hakko 907/912

### Accessories

Art. number	Description
010-2825-ESD	Spot suction nozzle for clip-on kit Metcal/Universal 1 Length: 200 mm Diameter: 5,0 / 4,6 mm
010-2827-ESD	Spot suction nozzle for clip-on kit ERSA Micro tool Length: 140 mm Diameter: 5,0 / 4,6 mm
010-2828-ESD	Spot suction nozzle clip-on kit Filtronic universal 2 & 3 Length: 220 mm Diameter: 5,0 / 4,6 mm
010-2833-ESD	Spot suction nozzle for clip-on kit Pace PS80/SP2A Length: 220 mm Diameter: 4,5 / 3,9 mm
010-2834-ESD	Spot suction nozzle for clip-on kit Weller WSP80/MLR21/MT1500, Hakko 907/912 Length: 180 mm Diameter: 6,3 / 5,4 mm
001-0001	E-clips, 6/8 mm
001-0014	E-clips, 4/6 mm
010-1038	On/off-tap for FT-units
010-1041	Conductive silicone hose Ø 7/4,5 mm, by meter
010-1042	Conductive silicone hose Ø 8/5 mm , by meter
010-1044	Hose clip 3-11 mm
010-1045	Hose clip 5-14 mm
010-9901-ESD	Cleaning brush 4 mm
010-9902-ESD	Cleaning brush 5 mm

### Spare parts & Accessories

Art. number	Description
300-2000	Throttle valve FT12
300-2001	Hose set FT- and FE-series
300-2002	Ejector for FT12
300-2005	Silencer FT (model 3)
212-5002-ESD	Rebuild kit to FT12-PF

## CBC-A

The air curtain cabinet CBC-A has a unique ventilation concept that separates the operator from the process by a dual air curtain system, giving unlimited accessibility on the workbench. It stands directly on the workbench and is easily connected to FT mobile filter system or to central ventilation.



### Technical data

Height, int/ext, mm	525/625
Width, int/ext, mm	1 120/1 275
Depth, int/ext, mm	580/760
Weight, kg	53
Sound level, dB(A) at 1 m	< 49



Art. number	Description
CBC-A-112-G02-G65-I2	Model CBC-A-112, ESD-safe. Cabinet supplied with a sheet top cover with one Ø 160 mm connection (G02), sheet backside panel (G65) and tube lightning (2 x 39 W), 230 V (I2).
CBC-A-112-G04-G65-I2	Model CBC-A-112, ESD-safe. Cabinet supplied with a sheet top cover with 4 Easy Click connections to fit 2 x MG100S (G04), sheet backside panel(G65) and tube lightning (2 x 39 W), 230 V (I2).

## Accessories and spare parts

Art. number	Description
G65	Backpanel in sheet 1160 x 600 x 1,25 mm, ESD-safe
G02	Topcover in sheet 1160 x 580 x 1,25 mm with one Ø 160 mm connection, ESD-safe
G04	Topcover, same as G02 but with 4 Easy Click connections, ESD-safe
I2	Lighting appliance with flourescent tube lighting (2 x 39W), 230V
F02	Tube lightning 39 W, (4 pcs) (suitable for CBC-A wsith lightning I2)
300-6001	Power supply CBC-A

## CBC-R

CBC-R, mobile cleanroom, provides a mobile clean air zone for sensitive production processes. The CBC-R can easily be placed in any working area without any fixed installations.

Work area inside the cabinet has easy access and is protected by a unique air curtain to prevent dust and particles entering the cabinet.

### Technical data

Height, int/ext, mm	525/893
Width, int/ext, mm	1 120/1 275
Depth, int/ext, mm	600/760
Weight, kg	90
Sound level, dB(A) at 1 m	< 55



Art. number	Description
CBC-R-G65-T1-S2	CBC-R, micro cleanroom, sheet backside panel (G65), 230 V, ESD-safe

## Accessories

Art. number	Description
F02	Tube lightning 39 W, (4 pcs)
G65	Backpanel in sheet metal 1160 x 600 x 1,25 mm, ESD-safe



# Replacement filters for all filter systems in our assortment

## Replacement filters

### MG140

Art. number	Description
145-2000-ESD	Micro/gas filter MG140, Standard
145-2002-ESD	Micro/gas filter MG140, Cleanroom
145-2003-ESD	Micro/gas filter MG140, MEK
145-2012-ESD	Micro/gas filter MG140, Solvents/VOC

### MG100

Art. number	Description
100-2000-ESD	Micro/gas filter MG100 and WFE 2x, Standard
100-2003-ESD	Micro/gas filter MG100 and WFE 2x, MEK
100-2006-ESD	Micro/gas filter MG100 and WFE 2x, Ammonia
100-2012-ESD	Micro/gas filter MG100 and WFE 2x, Solvents/VOC

### MG200

200-2000-ESD	Micro/gas filter MG200, Standard, (2 pcs)
200-2002-ESD	Micro/gas filter MG200, Cleanroom, (2 pcs)
200-2003-ESD	Micro/gas filter MG200, MEK, (2 pcs)
200-2006-ESD	Micro/gas filter MG200, Ammonia, (2 pcs)
200-2012-ESD	Micro/gas filter MG200, Solvents/VOC, (2 pcs)

### MG400

Art. number	Description
450-2000-ESD	Micro/gas filter MG400, Standard, (4 pcs)
450-2002-ESD	Micro/gas filter MG400, Cleanroom, (4 pcs)
450-2003-ESD	Micro/gas filter MG400, MEK, (4 pcs)
450-2006-ESD	Micro/gas filter MG400, Ammonia, (4 pcs)
450-2012-ESD	Micro/gas filter MG400, Solvents/VOC, (4 pcs)

### Pre filters MG-series

Art. number	Description
PF-1000	Pre filter for MG100 and WFE 2x. Is delivered with brackets and 2 m connection hose
PF-1200	Pre filter for MG75/MG95/WFE 2x. (Brackets and 2 m connection hose) -TO BE DISCONTINUED -
500-4000	Pre filter bags (5 pcs) for MG100, MG75, MG95 and MP140 and WFE 2x
145-4000	Pre filter MG140 (2 pcs)
200-4000	Pre filter MG200 (1 pcs)
450-2000	Pre filter MG400 (2 pcs)

# Replacement filters for all filter systems in our assortment

## MP140

Art. number	Description
140-2000-ESD	Micro particle filter MP140

## Pre filter for MP140

Art. number	Description
PF-1000	Pre filter MP140. Is delivered with brackets and 2 m connection hose
500-4000	Pre filter bags (5 pcs)

## FT12

Art. number	Description
210-0323-ESD	Top filter FT12
T0053641099	Main filter FT12
T0053642199	Filter discs FT12 (3 pcs)
210-0310	Top filter FT12 (model 93)

## FT12-PF

Art. number	Description
T0053642199	Pre filter cassette FT12-PF (3 pcs)
212-5001-ESD	Main filter FT12-PF

## FE4000

Art. number	Description
T0053642199	Filter discs FE4000 (3 pcs)
T0053641099	Main filter FE4000

## FC800

Art. number	Description
T0058735837	Pre filter FC800 (10 pcs)
T0058735838	Replacement filter FC800

## CBC-R

Art. number	Description
F01	Replacement filter CBC-R

# Replacement filters for discontinued filter systems

## MG75

Art. number	Description
750-2000-ESD	Micro/gas filter MG75, Standard
750-2002-ESD	Micro/gas filter MG75, Cleanroom
750-2003-ESD	Micro/gas filter MG75, MEK
750-2006-ESD	Micro/gas filter MG75, Ammonia
750-2012-ESD	Micro/gas filter MG75, Solvents/VOC

## MG95

Art. number	Description
950-2000-ESD	Micro/gas filter MG95, Standard
950-2002-ESD	Micro/gas filter MG95, Cleanroom
950-2003-ESD	Micro/gas filter MG95, MEK
950-2006-ESD	Micro/gas filter MG95, Ammonia
950-2012-ESD	Micro/gas filter MG95, Solvents/VOC

## FE3000

Art. number	Description
T0053642199	Filter discs FE3000 (pink, 10 pcs)
212-4012	Main filter FE3000

## BT100

Art. number	Description
500-2100	Replacement filter BT100
5000-4000	Pre filter bag, BT100 (5 pcs)

## Pre filters MG-series

Art. number	Description
750-4100	Replacement filter for pre filter MG75/MG95 (5 pcs)

## MG70

Art. number	Description
700-2000	Micro filter for MG70
700-2001	Gas filter for MG70

## MG80S (same as for MG100S)

Art. number	Description
100-2000-ESD	Micro/gas filter MG80S, Standard
100-2003-ESD	Micro/gas filter MG80S, MEK
100-2006-ESD	Micro/gas filter MG80S, Ammonia
100-2012-ESD	Micro/gas filter MG80S, Solvents/VOC

## MG350S

Art. number	Description
800-2000	Micro filter MG350S
800-2001	Gas filter MG350S, Standard
800-2003	Gas filter MG350S, MEK
800-2006	Gas filter MG350S, Ammonia

# Replacement filters for discontinued filter systems

## BT75

Art. number	Description
500-2000	Main filter BT75
500-4000	Pre filter BT75 (5 pcs)

## FT1

Art. number	Description
210-0323-ESD	Top filter, FT1
211-0011-ESD	Main filter FT1
210-0315	Filter discs FT1 (pink) for heavy soldering (10 pcs)

## FT11

Art. number	Description
T0053642199	Filter discs FT11 (10 pcs)
210-0323-ESD	Top filter FT11
T0053641099	Main filter FT11

## FT13

Art. number	Description
210-0323-ESD	Top filter FT13
210-0310	Top filter FT13 (model 93)
213-0013-ESD	Main filter FT13
T0053642199	Filter discs FT13 (10 pcs)

## FT Electric

Art. number	Description
212-3012	Main filter FT Electric
210-0313	Filter discs (pink) for heavy soldering (10 pcs)
911-2000	Replacement filter pre filter 911

## FC15-M / FC50-M

Art. number	Description
252-2000	Replacement filter



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