

# Fume Extraction

## Tip Extraction Units + FE Irons

### FE Soldering Irons

Weller FE soldering irons are specifically designed for tip extraction applications. The smoke tube is integral with the handle and is normally placed over the joint when soldering but can be retracted when access to the joint is a problem or removed for cleaning. The irons are temperature controlled, ergonomic and allow precise handling. The electronic controlled irons can be driven from any PU /PUD series power unit compatible with the rating of the iron or any rework station. FE 50M irons can only be driven from the P51 power unit. The range of iron power ratings and the extensive range of solder tips mean that there is an iron to suit all applications. The FE irons are supplied with a 5 mm-dia. burn proof hose 2.5 m long, all handles, leads and hoses are ESD safe.



Soldering Tips: see page 87 / 97

Order No.	Model	Description
<b>005 33 150 99</b>	<b>FE 50 Set</b>	<b>FE Soldering iron set 50 W / 24 V</b>
consists of:		
005 25 153 99	FE 50	FE Soldering iron 50 W / 24 V with ET-LT adapter and LTB tip
005 15 020 99	KH 20	Safety rest
005 50 050 99		Funnel for FE 50 / FE 50M
005 25 409 99		Cleaning brush for FE tube



Soldering Tips: see page 87 / 101

Order No.	Model	Description
<b>005 32 152 99</b>	<b>FE 50M</b>	<b>FE Soldering iron 50 W / 24 V</b>
consists of:		
	FE 50M	FE Soldering iron 50 W / 24 V Magnastat controlled controlled with PT-LT adapter and LTB tip
005 50 050 99		Funnel for FE 50 / FE 50M
005 25 409 99		Cleaning brush for FE tube



Soldering Tips: see page 87

Order No.	Model	Description
<b>005 33 151 99</b>	<b>FE 75 Set</b>	<b>FE Soldering iron set 80 W / 24 V</b>
consists of:		
005 29 166 99	FE 75	FE Soldering iron 80 W / 24 V with soldering tip LT B
005 15 020 99	KH 20	Safety rest
005 87 447 28		Funnel for FE 75
005 25 409 99		Cleaning brush for FE tube



Soldering Tips: see page 96

Order No.	Model	Description
<b>005 26 162 99</b>	<b>FE 80</b>	<b>FE Soldering iron 80 W / 24 V</b>
consists of:		
	FE 80	FE Soldering iron 80 W / 24 V with soldering tip HT B
005 87 337 58		Funnel for FE 80
005 25 409 99		Cleaning brush for FE tube

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### 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.

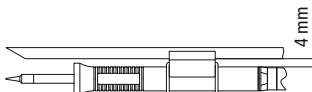


Order No.	Description
005 25 125 99	FE Attachment for LR 21, LR 82, TCPS; W 61, W 101, WSP 150, WP 200 for safety rest AK 1
005 28 126 99	FE Attachment for WSF 80D5/8
005 13 125 99	FE Attachment for DS 22, DS 80 and DSX 80 desoldering iron

### Accessory for FE Irons



Order No.	Description
005 36 352 99	Locking clip for extraction hose
005 25 410 00	Extraction hose (spare), by metre



### Universal FE attachments

For Weller soldering irons WP 80, WSP 80; WMP, 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
005 29 186 99	FE Attachment with tube, Ø 6 mm for WSP 80, WP 80, MLR 21, MLR 80, WMP



005 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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005 87 448 75	FE-Clip-Set for FE-attachment, tube Ø 4,5 mm
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005 87 448 76	FE-Clip-Set for FE-attachment, tube Ø 6,0 mm
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005 15 156 99	WDH 50 Safety rest with Stop+Go function for WMRP iron with FE Attachment
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## Tip Extraction Units + FE Irons



### Cord support

The cord support keeps the cord of the soldering iron out of the direct working area. This allows an easy handling of the soldering iron. Especially recommended for use with FE soldering irons.

Order No.	Description
005 15 065 99	Cord support for AK 20
005 15 066 99	Cord support for KH 20 / 23

### Safety Rests for FE Irons

Order No.	Model	Description
005 15 030 99	AK 20	Safety rest for FE 50, FE 50M, FE 75 and FE 80, for LR 21, LR 82 and TCP S with FE attachment

005 15 020 99	KH 20	Safety rest for FE 50, FE 50M, FE 75 and FE 80
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005 15 023 99	KH 23	Safety rest for FE 25
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005 15 140 99	WPH 80	Safety rest for WSP 80FE, for MLR 21 with FE attachment
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# Fume Extraction

## Tip Extraction Units + FE Irons

### 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.

Order No.	Model	Description
	<b>005 15 086 99 KHP</b>	Basic unit pneumatic (for WFE) safety rest with Stop+Go function with fibre optic sensor for FE 25, FE 50, FE 50M, FE 75 and FE 80
	<b>005 15 076 99 KHE</b>	Basic unit electric (for WFE P) safety rest with Stop+Go function with fibre optic sensor for FE 25, FE 50, FE 50M, FE 75 and FE 80
	<b>005 15 080 99 KHE/P</b>	Second safety rest with fibre optic sensor for extending to 2 workplaces for FE 25, FE 50, FE 50M, FE 75 and FE 80
	<b>005 15 168 99 KHP 81</b>	Basic unit pneumatic (for WFE) safety rest with Stop+Go function with fibre optic sensor for WSP 80FE consists of: 005 151 61 72 WDH 10 Safety rest 005 873 58 18 Control unit pneumatic
	<b>005 15 167 99 KHE 81</b>	Basic unit electric (for WFE P) safety rest with Stop+Go function with fibre optic sensor for WSP 80FE consists of: 005 151 61 72 WDH 10 Safety rest 005 873 58 19 Control unit electric
	<b>005 15 161 72 KHE 81 / P 81</b>	Second safety rest with fibre optic sensor for extending to 2 workplaces for WSP 80 FE

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## Tip Extraction Units + FE Irons

### Accessory for Tip Extraction

**Order No.****005 36 316 99****Description**

Extraction hose 40, 1 m, Ø 40 mm, complete with 2 connecting elements

**005 36 414 00**

Extraction hose 40, Ø 40 mm without connecting elements, sold by metre

**005 36 415 99**

Connection element 40-50

**005 36 326 99**

Extension hose DN 17 / 13 x 3 mm, 5 m

**005 87 358 65**

Connection nipple for extension hose 17

**005 87 358 66**

Nut G 3/8" for connection nipple

**005 36 343 99**

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

**005 36 338 99**

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

**005 87 350 50**

Connecting elements for connection nipple 005 36 338 99

**Installation Options see page 170 – 171**