

Tip Extraction



FE (Fume Extraction) Soldering Irons



Weller® FE soldering irons feature a smoke absorption tube integrated into the handle. It can be placed over the joint when soldering, but can be retracted when access to the joint is a problem. It can also be removed for cleaning. The irons are temperature controlled, ergonomic, and allow precise handling. These

electronically-controlled irons can be driven from any Weller power unit compatible with the rating of the iron or any Weller rework station. The range of iron power ratings and the extensive range of solder tips mean that there is an iron to suit all applications. FE soldering irons are supplied with a burn proof hose 5 mm (0.19 in.) diameter, 2.5 m (98.42 in.) long.



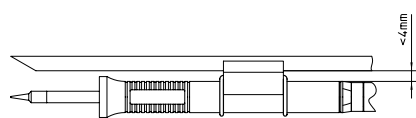
ESD safe



Order No.	Description
005 33 150 99	FE 50 Soldering Iron Set 50 W / 24 V, with safety rest KH 20*. (Not available in North America.)
005 32 152 99	FE 50M Soldering Iron Set 50 W / 24 V, Magnastat controlled with safety rest KH 20*. (Not available in North America.)
005 33 151 99	FE 75 Soldering Iron Set 80 W / 24 V with safety rest KH 20*. For use with LT tips.
005 26 162 99	FE 80 Soldering Iron 80 W / 24 V with safety rest KH 20*. (Not available in North America.)

* Cleaning brush for FE tubes and fume extraction funnels included with soldering irons for use with KH 20 and KH 23 safety rests.

FE Attachments



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

For Weller soldering irons WP 120, WP 80, WSP 80, WMP, MLR 21 or soldering irons with handle diameter 10 – 13 mm (0.39 – 0.51 in.), clip is attached to the soldering iron with a silicone O-ring.

Order No.	Description
005 29 186 99	FE Attachment with tube, 6 mm (0.23 in.) for WP 120, WSP 80, WP 80, MLR 21, MLR 80, WMP.
005 29 185 99	FE Attachment with tube, 4.5 mm (0.17 in.) for WP 120, WMRP and WSP 80, WP 80, MLR 21, MLR 80, WMP for fine soldering applications.
005 87 448 75	FE Spare Clip-Set for FE attachment, tube 4.5 mm (0.17 in.).
005 87 448 76	FE Spare Clip-Set for FE attachment, tube 6.0 mm (0.23 in.).
005 15 156 99	WDH 50 safety rest for soldering iron with FE attachment.
005 25 125 99	FE Attachment for LR 21, LR 82, TCPS, W 61, W 101, WSP 150 with 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 irons.

Accessories for FE Irons



Order No.	Description
005 36 352 99	Locking clip. The locking clip is used to disconnect FE (Fume Extraction) soldering irons that are not required so that there is no unnecessary loss of extraction power. The clip can be operated quickly and easily.
005 25 410 00	Extraction hose (spare part) Heat-resistant silicone hose, 5 mm (0.19 in.), for all FE (Fume Extraction) soldering irons (sold by the meter).

Order No.	Description
	Cord support. The cord support keeps the soldering iron cord out of the direct working area. This allows easier handling of the soldering iron.
005 15 065 99	Cord support for safety rest AK 20.
005 15 066 99	Cord support for safety rest KH 20/23.

Safety Rests for FE Soldering Irons



Order No.	Description
005 15 030 99	AK 20 Safety rest for FE 50, FE 50M, FE 75, FE 80; for LR 21, LR 82 and TCP with attachment.
005 15 020 99	KH 20 Safety rest for FE 50, FE 50M, FE 75, FE 80.
005 15 023 99	KH 23 Safety rest for FE 25.
005 15 140 99	WPH 80 Safety rest for WSP 80FE; for MLR 21 with FE attachment.

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Safety Rests with Stop + Go Function for FE soldering irons together with fume extraction units WFE and WFE P

The Weller Stop + Go safety rests are recommended accessories for FE soldering irons using the WFE or WFE P extraction units. A fiber-optic sensor switches the extraction unit on when the FE soldering iron is removed from the

safety rest and off when the FE soldering 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 saves the soldering tip and reduces running costs.



Order No.	Description
005 15 086 99	KHP Pneumatic basic unit (for WFE), safety rest with Stop + Go function with fiber-optic sensor for soldering irons FE 25, FE 50, FE 50M, FE 75 and FE 80.
005 15 076 99	KHE Electric basic unit (for WFE P), safety rest with Stop + Go function with fiber-optic sensor for soldering irons FE 25, FE 50, FE 50M, FE 75 and FE 80.
005 15 080 99	KHE/P Second safety rest with fiber-optic sensor for extending to 2 workplaces for soldering irons FE 25, FE 50, FE 50M, FE 75 and FE 80.
005 15 084 99	KHP 80 Basic unit pneumatic (for WFE) safety rest with Stop + Go function with fiber-optic sensor for soldering iron WSP 80FE.
005 15 083 99	KHE 80 Basic unit electric (for WFE P) safety rest with Stop + Go function with fiber-optic sensor for WSP 80FE.
005 15 141 99	KHE 80/P 80 Second safety rest with fiber-optic sensor for extending to two workstations for WSP 80 FE.

Items on this page not available in North America.

Accessories for workbench installations



Order No.	Description
005 36 316 99	Extraction hose 40 , 1 m (39.37 in.), 40 mm (1.5 in.). Complete with 2 connecting elements for direct connection of unit (WFE 20D) to pipe system 50. Flexible grey/black plastic.
005 36 414 00	Extraction hose 40 , 40 mm (1.5 in.) without connecting elements. Sold by the meter. Flexible grey/black plastic.
005 36 415 99	Connecting element 40 – 50 for connecting extraction hose 40 and pipe system 50. Black rubber.
005 36 326 99	Extension hose DN 17 (13 x 3 mm), 5 m, 17 mm (0.6 in.), used where the fume extraction iron is further than 2.5 m (98.42 in.) from the pipe system 50. Note: Connection nipple for hose 17 and adapter 17 will be required. Clear plastic.
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 DN 17 with 5 mm (0.19 in.) extension hose on FE irons.
005 36 338 99	Connection nipple for 5 mm (0.19 in.) diameter extraction hose to connect FE soldering irons directly to pipe system 50. The connection nipple may be screwed into the pipe system at any point.
005 87 350 50	End cap to close off connection nipple (not shown).

Replacement Filters

Order No.	Filters for WFE:
005 87 357 57	Compressed air - cleaning filter
005 36 410 99	Compact filter Consists of: HEPA filter H13, wide band gas filter (50% active carbon, 50% Puratex)
005 36 407 99	Compact filter Consists of: HEPA filter H13, wide band gas filter (100% active carbon)
005 36 421 99	Fine dust filter F7 (3 pieces)
005 36 597 99	Compact filter with enlarged pre-filter

Order No.	Filters for WFE 20D:
005 87 358 37	Fine dust filter F5
005 87 358 36	Fine dust filter F7
005 87 358 38	Compact filter Consists of: HEPA filter H13, wide band gas filter (50% active carbon, 50% Puratex)

Order No.	Filters for WFE P:
005 36 410 99	Compact filter Consists of: HEPA filter H13, wide band gas filter (50% active carbon, 50% Puratex)
005 36 407 99	Compact filter Consists of: HEPA filter H13, wide band gas filter (100% active carbon)
005 36 421 99	Fine dust filter F7 (3 pieces)
005 36 597 99	Compact filter with enlarged pre-filter