Portable Fume Extraction Units.
For Tip Extraction.

The Weller WFE is a small, portable unit to extract fumes from up to two FE soldering pencils. The required vacuum is produced by a maintenance-free venturi operating on 3.5 to 6 bar clean and oil-free compressed air. The polluted air is cleansed by a pre- and main filter system. The prefilter is a fine particulate gas filter (F7).

Technical Data WFE:
- Height: 200 mm
- Diameter: 140 mm
- Weight: 2.7 kg
- Operation Pressure: 3.5 - 6 bar
- Air Consumption: 30 l/min
- Sound Level: 39 db(A) at 1 m
- Max. Vacuum: -20.000 Pa
- Max. Capacity: 2 FE soldering pencils
- Order No.: 5 36 402 99

Spare Parts:
- Compressed air filter
- Main filter cartridge consists of:
  - submicron particulate air filter (H13)
  - wide band gas filter (50% active carbon, 50% Puratex)
- Fine particulate air filter (F7)

The compact main filter cartridge consists of a wide band gas filter stage (50% active carbon, 50% Puratex) and a submicron particulate air filter stage (H13). This highly efficient filter system allows the Weller WFE to operate as a real air recirculating device. The filter lift system makes the filter change quick and easy.

WFE Portable Fume Extraction Unit for use with compressed air.

The Weller WFE P is an electrically-driven solder fume extracting unit designed to cleanse fumes from up to two FE soldering pencils. The compact size makes it convenient to use anywhere. The 230V/50Hz silent running maintenance-free rotary pump makes the WFE P independent from external air sources. A thermal overload protects the unit from overheating. The WFE P has the same efficient three-stage filter system as the WFE.

Technical Data WFE P:
- Height: 295 mm
- Diameter: 140 mm
- Weight: 4 kg
- Mains: 230 V/50Hz
- Power Absorption: 50 W
- Sound Level: 40 db(A) at 1 m
- Max. Vacuum: -30.000 Pa
- Max. Capacity: 2 FE soldering pencils
- Order No.: 5 36 386 99 (UK: 5 36 383 99)

Spare Parts:
- Compressed air filter
- Main filter cartridge consists of:
  - submicron particulate air filter (H13)
  - wide band gas filter (50% active carbon, 50% Puratex)
- Fine particulate air filter (F7)

The WFE P Portable Fume Extraction Unit with integral pump.

The Weller WFE P Portable Fume Extraction Unit with integral pump.

Spare Parts:
- Compressed air filter
- Main filter cartridge consists of:
  - submicron particulate air filter (H13)
  - wide band gas filter (50% active carbon, 50% Puratex)
- Fine particulate air filter (F7)

Order No.: 5 36 410 99 (UK: 5 36 421 99 (3 pack))

Spare Parts:
- Compressed air filter
- Main filter cartridge consists of:
  - submicron particulate air filter (H13)
  - wide band gas filter (50% active carbon, 50% Puratex)
- Fine particulate air filter (F7)

Order No.: 5 36 410 99 (UK: 5 36 421 99 (3 pack))
The Weller WFE 10 is an independent mobile filter system to extract solder fumes from up to ten FE soldering pencils. It is suitable for continuous industrial use. The 230 V / 50Hz motor is silent running, maintenance-free and protected with thermal and electrical fuses. The unit has a four stage replaceable filter system comprising:

- an expanded metal condensation filter,
- a fine particulate air filter grade F7 fitted as standard,
- a submicron particulate air filter HEPA grade H13
- and a wide band gas filter (50% active carbon, 50% Puratex). It removes 99.95% DOP of contaminants up to 0.3 microns. The modular construction enables easy filter change. An electronic system monitors the filter condition and will shut the system down if the filter becomes blocked. The filter condition is indicated by a red/green display.

### Technical Data WFE 10:

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>420 x 420 x 735 mm (L x W x H)</td>
</tr>
<tr>
<td>Weight</td>
<td>55 kg</td>
</tr>
<tr>
<td>Mains</td>
<td>230 V / 50 Hz</td>
</tr>
<tr>
<td>Power Absorption</td>
<td>550 W</td>
</tr>
<tr>
<td>Sound Level</td>
<td>49 db(A) at 1 m</td>
</tr>
<tr>
<td>Max. Vacuum</td>
<td>12.000 Pa</td>
</tr>
<tr>
<td>Max. Conveyance</td>
<td>80 m³/h</td>
</tr>
<tr>
<td>Max. Capacity</td>
<td>10 FE soldering pencils</td>
</tr>
<tr>
<td>Order No.</td>
<td>5 36 303 99</td>
</tr>
</tbody>
</table>

### Spare Parts:

- Expanded metal condensation filter
- Fine particulate air filter (10 pcs.)
- Submicron particulate air filter
- Wide band gas filter (50% active carbon, 50% Puratex)
  - Optional: Gas filter (100% active carbon)

The Weller WFE 35 is a central filter system to extract solder fumes from up to 35 fume extraction soldering pencils. It is suitable for continuous use. The 230 V/50Hz motor is maintenance-free and silent running to operate at individual work stations without disturbing the operator.

The unit has a four stage replaceable filter system comprising: an expanded metal condensation filter, a fine particulate air filter grade F7 fitted as standard, a submicron particulate air filter HEPA grade H13

### Technical Data WFE 35:

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>650 x 350 x 750 mm (L x W x H)</td>
</tr>
<tr>
<td>Weight</td>
<td>80 kg</td>
</tr>
<tr>
<td>Mains</td>
<td>230 V / 50 Hz</td>
</tr>
<tr>
<td>Power Absorption</td>
<td>1,36 KW</td>
</tr>
<tr>
<td>Sound Level</td>
<td>52 db(A) at 1 m</td>
</tr>
<tr>
<td>Max. Vacuum</td>
<td>11.000 Pa</td>
</tr>
<tr>
<td>Max. Conveyance</td>
<td>220 m³/h</td>
</tr>
<tr>
<td>Max. Capacity</td>
<td>35 FE soldering pencils</td>
</tr>
<tr>
<td>Order No.</td>
<td>5 36 300 99</td>
</tr>
</tbody>
</table>

### Spare Parts:

- Wide band gas filter (50% active carbon, 50% Puratex)
- Submicron particulate air filter
- Fine particulate air filter F5
- Expanded metal condensation filter
  - Optional: Gas filter (100% active carbon)
Portable Fume Extraction Units.
For Volume Extraction.

WFE 2S Portable Fume Extraction Unit.

The Weller WFE 2S system for volume extraction provides volume fume extraction capability for two work stations. A powerful maintenance free variable speed motor provides an air flow rate of 230 m³/h when running at max speed.

A built-in micro processor controls the adjustable speed of the turbine. The three stage filter system is fitted as standard and is easy to replace, consisting of a fine particulate air filter and a combined sub-micron particulate air filter + wide band gas filter. The WFE 2S comes with 1 pipe connector (2 optional). A wide range of accessories including arms with conical nozzle, flat nozzle small vent, extraction hood and tray provide for maximum flexibility.

Technical Data WFE 2S:

<table>
<thead>
<tr>
<th>Dimension</th>
<th>320 x 320 x 395 mm (L x W x H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>19 kg</td>
</tr>
<tr>
<td>Mains</td>
<td>230 V</td>
</tr>
<tr>
<td>Power Absorption</td>
<td>275 VA</td>
</tr>
<tr>
<td>Sound Level</td>
<td>48 dB(A) at 1 m</td>
</tr>
<tr>
<td>Max. Vacuum</td>
<td>2.700 PA</td>
</tr>
<tr>
<td>Max Airflow</td>
<td>230 m³/h</td>
</tr>
<tr>
<td>Max. Capacity</td>
<td>2 work places</td>
</tr>
<tr>
<td>Standard connector DN 40</td>
<td></td>
</tr>
<tr>
<td>Potentiometer for speed control</td>
<td></td>
</tr>
<tr>
<td>LED for filter control</td>
<td></td>
</tr>
<tr>
<td>RS 232 interface for remote control</td>
<td></td>
</tr>
<tr>
<td>Order No.</td>
<td>5 36 266 99 (UK: 5 36 263 99)</td>
</tr>
</tbody>
</table>

Spare Parts:

- Fine particulate air filter (10pcs)

Main filter cartridge consists of:
- submicron particulate air filter (H13)
- wide band gas filter (50 % active carbon, 50 % Puratex)

Optional:
- Wide band gas filter (50 % active carbon, 50 % Puratex)
- without submicron particulate air filter

WFE 2S Kits for one or two workplaces.

For assembly, rework, service and laboratory applications the Weller WFE 2S Zero Smog fume extraction system is available in two kit forms. Each kit comes ready for use and provides volume fume extraction for either one or two work stations. Both versions have the WFE 2S as the base equipment and have suitable accessories for quick installation. The accessories consist of flexible extraction arms and extraction hoses, extraction plate, extraction hood, extraction nozzles and table-mounting set. For professional use the accessory parts are ESD-safe.

WFE 2 Kit 1 (for one workplace) consists of:
- 1 Fume extraction unit WFE 25
- 1 Extraction arm with nozzle WFAN 50, flexible, 50 mm diameter
- 1 Table-mounting set WFTB 50
- 1 Seal WFFMP 50
- 1 Flexible hose NW 50 (3 m)
Order No. 5 36 436 99 (UK: 5 36 433 99)

WFE 2 Kit 2 (for two workplaces) consists of:
- 1 Fume extraction unit WFE 25
- 2 Extraction arms with nozzle WFAN 50, flexible, 50 mm diameter
- 2 Table-mounting sets WFTB 50
- 2 Seals WFFMP 50
- 2 Flexible hoses NW 50 (3 m)
Order No. 5 36 456 99 (UK: 5 36 453 99)
Mobile Fume Extraction Units.
For Volume Extraction.

The Weller WFE 4S fume extraction unit provides volume extraction capability for up to 6 workplaces. A powerful maintenance free variable speed motor provides an airflow rate of 615 m³/h at max speed. A built-in microprocessor controls the adjustable speed of the turbine. The airflow rate is continuously displayed digitally. The microprocessor also ensures detection of operating hours and the level status of filter absorbency. The three-stage filter is fitted as standard and is easy to replace, consisting of a fine particulate air filter and combined submicron particulate air filter + wide band gas filter. The WFE 4S centralised system is supplied complete with one pipe connector (three optional) and is easily connected to the pipe system. A wide range of pipe accessories including arms with conical nozzle, flat nozzle small vent, extraction hood and tray provide for maximum flexibility.

Technical Data WFE 4S:
- Dimensions: 450 x 450 x 650 mm (L x W x H)
- Weight: 21 kg
- Mains: 230V / 50Hz
- Power Absorption: 450VA
- Sound Level: 51 db(A)
- Max. Vacuum: 2,800 Pa
- Max. Conveyance: 615 m³/h
- Max. Capacity: max. 6 work places
- Standard connector: DN 70
- 3 operating modes (Normal-/ ECO-/ Regelmode)
- LED for filter control
- RS 232 interface for remote control
- Order No.: 5 36 256 99 (UK: 5 36 253 99)

Spare Parts:
- Fine particulate air filter (10pcs)
- Main filter cartridge consists of:
  - submicron particulate air filter (H13)
  - wide band gas filter (50% active carbon, 50% Puratex)
- Optional:
  - Wide band gas filter (50% active carbon, 50% Puratex)
  - Without submicron particulate air filter

Prefilter box
For all Weller® fume extraction units.

To expand filter capacity of all fume extraction units, e.g. for solder baths, solder robots or even laser applications. To be assembled directly on top or as stand-alone.

Order No.: 5 87 358 62

Consists of:
- Filter box
- Fine particulate air filter (F7)
- 2 pcs of hose adapter DN 70
- 5 87 358 35
- 5 87 358 36
- 5 87 358 37
- 5 87 358 38
- 5 87 358 58
- 5 87 358 60
Installation Proposal for the DN 40 Tubing System – Tip Suction.

Weller® WFE 35

Weller® WFE 10
Installation Proposal for the DN 70 Tubing System – Volume Extraction.
## Accessories for the DN 40 and DN 70 Tubing Systems.

<table>
<thead>
<tr>
<th>System DN 40</th>
<th>System DN 70</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 36 323 99</td>
<td>5 87 358 70</td>
<td>Tube 2 m with socket</td>
</tr>
<tr>
<td>5 36 322 99</td>
<td>5 87 358 69</td>
<td>Bow 90° with socket</td>
</tr>
<tr>
<td>5 36 344 99</td>
<td>5 87 358 71</td>
<td>T-distributor 2 x 90° with socket</td>
</tr>
<tr>
<td>5 36 321 99</td>
<td>—</td>
<td>2 x 45° distributor with socket</td>
</tr>
<tr>
<td>5 36 319 99</td>
<td>5 87 353 18</td>
<td>Double socket</td>
</tr>
<tr>
<td>5 36 324 99</td>
<td>5 87 358 55</td>
<td>Tube end cap</td>
</tr>
<tr>
<td>5 36 329 99</td>
<td>5 87 358 64</td>
<td>Tube clamp</td>
</tr>
<tr>
<td>5 87 358 63</td>
<td></td>
<td>Reduction from DN 70 to DN 40 with 2 sockets</td>
</tr>
<tr>
<td>5 87 358 56</td>
<td></td>
<td>Reduction from DN 70 to DN 40 without sockets</td>
</tr>
<tr>
<td>5 36 353 99</td>
<td></td>
<td>DN 100 Bow 90° with socket for WFE 10 and WFE 35</td>
</tr>
<tr>
<td>5 36 315 99</td>
<td></td>
<td>2 m Breather tube DN 100, without socket for WFE 45, WFE 10 and WFE 35</td>
</tr>
<tr>
<td>5 87 346 99</td>
<td></td>
<td>Exhaust flange for DN 100 tube (only for use with WFE 10)</td>
</tr>
<tr>
<td>5 87 358 40</td>
<td></td>
<td>Exhaust flange for DN 100 tube (only for use with WFE 45)</td>
</tr>
</tbody>
</table>
## Accessory
For Tip Suction.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 36 316 99</td>
<td>Extraction tube NW 44 (1 m), complete with 2 connection cones,</td>
</tr>
<tr>
<td>5 36 414 99</td>
<td>Flex tube NW 44, without connection cones (meter goods)</td>
</tr>
<tr>
<td>5 36 415 99</td>
<td>Connection cone for flex tube NW 44</td>
</tr>
<tr>
<td>5 36 326 99</td>
<td>Extension hose DN 17 (5 m)</td>
</tr>
<tr>
<td>5 36 343 99</td>
<td>Adaptor from DN 17 to 5 mm suction hose, M8 x 1</td>
</tr>
<tr>
<td>5 36 338 99</td>
<td>Hose connector for hose 5 mm, M8 x 1</td>
</tr>
<tr>
<td>5 36 351 42</td>
<td>Hose connector for hose DN 17 G 3/8&quot;</td>
</tr>
<tr>
<td>5 36 352 44</td>
<td>Nut G 3/8&quot; for nipple 5 87 351 42</td>
</tr>
</tbody>
</table>
## Accessory
### For Volume Extraction.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 87 358 47 (DN 40)</td>
<td>Suction flange for WFE 2S + WFE 4S</td>
</tr>
<tr>
<td>5 87 358 32 (DN 70)</td>
<td></td>
</tr>
<tr>
<td>5 87 358 48 (DN 40)</td>
<td>Suction flange 90° for WFE 2S + WFE 4S</td>
</tr>
<tr>
<td>5 87 358 33 (DN 70)</td>
<td></td>
</tr>
<tr>
<td>5 87 353 27</td>
<td>Hose NW 50 for DN 40 tube system</td>
</tr>
<tr>
<td>5 87 353 13</td>
<td>Hose NW 75 for DN 70 tube system (meter goods)</td>
</tr>
<tr>
<td>5 87 358 79</td>
<td>Hose clamp (2 pcs.) 50-70 mm for hose NW 50</td>
</tr>
<tr>
<td>5 87 358 31</td>
<td>Hose clamp (2 pcs.) 70-90 mm for hose NW 75</td>
</tr>
<tr>
<td>5 36 370 99</td>
<td>Extraction table, active surface 600 x 350 mm connectable from sides or below. For tube system DN 40, especially for the extraction of disagreeable solvent or adhesive smells.</td>
</tr>
<tr>
<td>5 87 358 45</td>
<td>Metal table extraction hood connectable to the DN 40 Tube system. Suitable for the extraction of solder fume in hot air applications or for work at small circuit boards.</td>
</tr>
</tbody>
</table>
## Accessory
For Volume Extraction.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 87 358 49</td>
<td>One joint extraction arm, flexible, for bench assembly ø 50 mm, includes clamp holder, air flow adjustable, ESD safe</td>
</tr>
<tr>
<td>5 36 374 99</td>
<td>WFAN 50 Extraction arm Ø 50 mm, flexible, with nozzle Ø 50 mm, ESD safe needs WFFMP 50 seal</td>
</tr>
<tr>
<td>5 36 372 99</td>
<td>WFAF 50 Extraction arm Ø 50 mm, flexible, with funnel Ø 100 mm, ESD safe needs WFFMP 50 seal</td>
</tr>
<tr>
<td>5 36 373 99</td>
<td>WFAS 50 Extraction arm Ø 50 mm, flexible, with slot 210 x 20 mm, ESD safe needs WFFMP 50 seal</td>
</tr>
<tr>
<td>5 36 378 99</td>
<td>WFCC 50 Extraction hood 240 x 100 mm, with flexible hose 1 m, ESD safe needs WFFMP 50 seal</td>
</tr>
<tr>
<td>5 36 380 99</td>
<td>WFDD 50 Extraction plate 300 x 210 mm, with flexible hose 1 m, ESD safe needs WFFMP 50 seal</td>
</tr>
<tr>
<td>5 36 371 99</td>
<td>WFFMP 50 seal, locking adjustable</td>
</tr>
<tr>
<td>5 36 379 99</td>
<td>WFTB 50 Table mounting set</td>
</tr>
</tbody>
</table>
Here’s the line-up of the Weller systems for tip suction:

**WFE**
Compressed air operated portable fume extraction unit

Consists of:
- Fume extraction unit
- Compressed air filter
- Fine particulate air filter F7
- Main filter cartridge
  (submicron particulate air filter + wide band gas filter)

Order No.: 5 36 402 99

**WFE 2S**
Portable fume extraction unit with in-built pump

Consists of:
- Fume extraction unit
- Fine particulate air filter F5
- Main filter cartridge
  (submicron particulate air filter + wide band gas filter)

Order No.: 5 36 266 99
(UK: 5 36 263 99)

**WFE 10**
Mobile fume extraction unit with in-built pump

Consists of:
- Fume extraction unit
- Expanded metal condensation filter
- Fine particulate air filter F5
- Submicron particulate air filter
- Wide band gas filter

Order No.: 5 36 303 99

**WFE 35**
Mobile fume extraction unit with in-built pump

Consists of:
- Fume extraction unit
- Expanded metal condensation filter
- Fine particulate air filter F5
- Submicron particulate air filter
- Wide band gas filter

Order No.: 5 36 300 99

**WFE P**
Portable fume extraction unit with in-built pump

Consists of:
- Fume extraction unit
- Fine particulate air filter F7
- Main filter cartridge
  (submicron particulate air filter + wide band gas filter)

Order No.: 5 36 386 99
(UK: 5 36 383 99)

for volume extraction:

**WFE 2S**
Portable fume extraction unit with in-built pump

Consists of:
- Fume extraction unit
- Fine particulate air filter F5
- Main filter cartridge
  (submicron particulate air filter + wide band gas filter)
- Suction flange DN 40

Order No.: 5 36 266 99
(UK: 5 36 263 99)

**WFE 4S**
Mobile fume extraction unit with in-built pump

Consists of:
- Fume extraction unit
- Fine particulate air filter F5
- Main filter cartridge
  (submicron particulate air filter + wide band gas filter)
- Suction flange DN 70

Order No.: 5 36 256 99
(UK: 5 36 253 99)

**WFE 4S**
Compressed air operated portable fume extraction unit

Consists of:
- Fume extraction unit
- Compressed air filter
- Fine particulate air filter F7
- Main filter cartridge
  (submicron particulate air filter + wide band gas filter)

Order No.: 5 36 402 99

**WFE 2S**
Mobile fume extraction unit with in-built pump

Consists of:
- Fume extraction unit
- Expanded metal condensation filter
- Fine particulate air filter F5
- Submicron particulate air filter
- Wide band gas filter

Order No.: 5 36 303 99

**WFE 35**
Mobile fume extraction unit with in-built pump

Consists of:
- Fume extraction unit
- Expanded metal condensation filter
- Fine particulate air filter F5
- Submicron particulate air filter
- Wide band gas filter

Order No.: 5 36 300 99

**WFE P**
Portable fume extraction unit with in-built pump

Consists of:
- Fume extraction unit
- Fine particulate air filter F7
- Main filter cartridge
  (submicron particulate air filter + wide band gas filter)

Order No.: 5 36 386 99
(UK: 5 36 383 99)