

Weller®

FT12



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1. Anschlussnippel für FE-Lötkolben
2. Hauptfilterkartusche
3. Vakuumgehäuse
4. Abluftfilter
5. Druckluftanschluß
6. Drosselventil
7. Halterfeder

1. Raccord pour fer à souder FE
2. Cartouche filtrante principale
3. Carter à vide
4. Filtre d'évacuation d'air
5. Raccord d'air comprimé
6. Vanne d'étranglement
7. Ressort de retenue

1. Aansluitnippel voor FE-soldeerbout
2. Hoofdfilterpatroon
3. Vacuumkamer
4. Afvoerluchtfilter
5. Persluchtaansluiting
6. Smookklep
7. Klemveer

1. Nippolo di collegamento per stilo brasatore FE
2. Cartuccia filtro principale
3. Involucro sotto vuoto
4. Filtro dell'aria di scarico
5. Collegamento aria compressa
6. Valvola a farfalla
7. Molla di ritegno

1. Connector nipple for FE soldering bit
2. Main filter cartridge
3. Vacuum casing
4. Exhaust filter
5. Compressed air connection
6. Control valve
7. Retaining spring

1. Anslutningsnippel för FE-lödkolv
2. Huvudfilterpatron
3. Vakuumhus
4. Frånluftfilter
5. Tryckluftanslutning
6. Spjällventil
7. Hållarfjäder

Thank you for placing your trust in our company by purchasing the Weller FT12 soldering fume extraction unit. Production was based on stringent quality requirements which guarantee the perfect operation of the device.

1. Caution!

Please read these Operating Instructions and the attached safety information carefully prior to initial operation. Failure to observe the safety regulations results in a risk to life and limb.

The manufacturer shall not be liable for damage resulting from misuse of the machine or unauthorised alterations.

The Weller FT12 soldering fume extraction unit corresponds to the EC Declaration of Conformity in accordance with the basic safety requirements of Directives 2004/108/EC, 2006/95/EC and 2011/65/EU (RoHS).

2. Description

The Weller FT12 soldering fume extraction unit is equipped with a maintenance-free compressed air converter for vacuum generation and is therefore ideally suited to continuous industrial operation. The compressed air converter is adequately designed to extract the soldering fumes from 2 Weller Fumex-Extraction soldering bits. The vacuum hoses of the FE soldering bits are connected directly to the FT12 soldering fume extraction unit. To operate the FT12 cleaned, dry compressed air (3.5 bar - 7 bar) is required. It is possible to shut off the compressed air using the shut-off valve on the unit's compressed air connection. The compressed air connection is combined with a control valve, which allows the compressed air to be regulated.

Note!

The FT12 soldering fume extraction unit is not suitable for the extraction of flammable gas.

Warning:

Only remove the compressed air hose from the unit in its unpressurised state.

To remove the compressed air hose, press the unlocking ring of the rapid-fitting pipe union and pull out the hose.

The 3-stage filter installed, comprising fine particulate air filter F7 and wide band gas filter (50% activated carbon; 50% Puratex) is ideally suited in this configuration to the extraction of soldering fumes. The particulate filter and the gas filter are contained in the main filter cartridge. Both filter elements are disposable filters and the fine particulate air filter (preliminary filter) can be changed several times before the main filter cartridge has to be replaced.

Together with the exhaust air filter (activated carbon), which absorbs odours caused by compressed air, the FT12 is used as a circulating air unit. It is not necessary to draw off the exhaust air. Both filter elements are disposable filters, where the fine dust filter (prefilter) can be changed multiple times. The main filter cartridge must be replaced after 12 months at the latest.

Warning:

When using extraction equipment, the legal limits with regard to contaminants in the workplace must be observed and regularly checked by the operator of the extraction equipment.

Technical data

Operating pressure in bar /psi:	3.5 - 7 bar / 50-100 psi
	of clean dry
	compressed air
Compressed air connection:	OD 6 mm hose
Height:	200 mm / 7.9 inches
Diameter:	120 mm / 4.78 inches
Weight (approx.) in kg/lb:	1.5 / 3.3
Noise level (at 1 m interval) dB:	37
Air consumption l/min (SCFH):	13 (27)
Main filter:	F7 fine dust filter
	Particulate filter
	Wide band gas filter
	99.95%
	50% Activated charcoal,
	50% Puratex

3. Commissioning

Place the FE soldering bit in the safety rest. The FT12 soldering fume extraction unit is equipped for the connection of 2 Weller FE soldering bits (1). On connection of an FE soldering bit, the vacuum hose is attached to the open connector nipple. The second connector remains closed. Only take off the closure cap on connection of a second vacuum hose.

Insert the compressed air hose, external diameter 6 mm (PUN-6 x 1) into the compressed air connection (5) of the FT12 as far as it will go.

If the compressed air supply is correct (3.5 - 7 bar, clean oil-free) connect the FT12 to the compressed air supply system and, if necessary, open the control valve (6).

Maintenance

Before maintenance work is undertaken, the unit must be switched to its unpressurised state.

In order to guarantee trouble-free operation of the unit, the vacuum tube and extraction hose of the FE soldering bit must be cleaned regularly. If heavily soiled, the extraction tube can be placed in a gas-tight sealed container in cleaning alcohol (spirit) until the flux residues have dissolved.

Warning:

When using cleaning agents, the legal safety provisions with regard to their handling must be observed. The cleaning agent must be treated as hazardous waste and must be disposed of in accordance with the prevailing local regulations.

If the extraction performance of a cleaned FE soldering bit is no longer adequate, the filters must be checked. The preliminary filter can be changed several times before the main filter has to be replaced.

When original WELLER filters are used in the prescribed manner, the service lives of the particulate filter and the wide band gas filter are designed to be approximately equal.

To change the filter, the 3 retaining springs (7) must be pushed outwards. The main filter cartridge and the preliminary filter below it can then be replaced without the use of tools. The exhaust filter (4) can also be changed.

The exhaust air filter cartridge can then be taken out of the vacuum casing.

Warning:

When inserting filters, take care to follow the correct sequence and fit them in the appropriate position. The soiled filters must be treated as hazardous waste.

4. List of accessories (Europe only)

T005 29 166 99	FE 75 soldering bit 80 W
T005 25 125 99	FE retrofit kit for LR-21
T005 13 125 99	FE retrofit kit for DSX 80
T005 15 020 99	KH-20 rest for soldering bit FE 75

Replacement filters:

210-0323-ESD	Exhaust filter
T005 36 410 99	Compact filter
T005 36 421 99	Fine dust filter F7 (3 pcs.)

5. Scope of supply

The FT12 is equipped with:

- 1 Fine particulate air filter F7
- 1 Main filter cartridge consisting of particulate filter and gas filter 50% activated carbon, 50% Puratex
- 1 Exhaust air filter
- 1 PUN 6 x 1 compressed air hose
- 1 Set of operating instructions
- 1 Safety information

Subject to technical alterations and amendments!

See the updated operating instructions at www.weller-tools.com.

GERMANY**Weller Tools GmbH**

Carl-Benz-Str. 2
74354 Besigheim
Phone: +49 (0) 7143 580-0
Fax: +49 (0) 7143 580-108

GREAT BRITAIN**Apex Tool Group**

(UK Operations) Ltd
4th Floor Pennine House
Washington, Tyne & Wear
NE37 1LY
Phone: +44 (0) 191 419 7700
Fax: +44 (0) 191 417 9421

FRANCE**Apex Tool France S.N.C.**

25 Av. Maurice Chevalier BP 46
77832 Ozoir-la-Ferrière, Cedex
Phone: +33 (0) 1.64.43.22.00
Fax: +33 (0) 1.64.43.21.62

ITALY**Apex Tool S.r.l.**

Viale Europa 80
20090 Cusago (MI)
Phone: +39 (02) 9033101
Fax: +39 (02) 90394231

SWEDEN**Apex Tool Group AB**

William Gibsons väg 1A
43376 Jonsered
Phone: +46 (0) 31 725 64 39
Fax: +46 (0) 31 725 64 38

INDIA**Apex Power Tools India Pvt. Ltd.**

Regus business centre,
Level 2, Elegance, Room no. 214,
Mathura Road, Jasola,
New Delhi - 110025

AUSTRALIA**Apex Tools - Australia**

P.O. Box 366
519 Nurigong Street
Albury, N. S. W. 2640
Phone: +61 (2) 6058-0300
Fax: +61 (2) 6021-7403

CANADA**Apex Tools - Canada**

5925 McLaughlin Rd. Mississauga
Ontario L5R 1B8
Phone: +1 (905) 501-4785
Fax: +1 (905) 387-2640

CHINA**Apex Tool Group**

2nd Floor, Area C, 177 Bi Bo Road
Pudong New Area
Shanghai 201203 P. R. C.
Phone: +86 (21) 60880320

USA**Apex Tool Group, LLC**

14600 York Rd. Suite A
Sparks, MD 21152
Phone: +1 (800) 688-8949
Fax: +1 (800) 234-0472

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