

Electrical filter unit for solder fume extraction directly at the soldering tip



Fig.: ET 7-1 IP with optional soldering iron and clip-on kit

ERSA CLEAN-AIR filter units: clean air for your health

With the CLEAN-AIR product line ERSA offers compact units for solder fume extraction and filtration. The units can be used decentrally to extract noxious gases directly at the tip or workbench. They provide a healthy working environment.

The new filter unit ERSA EASY TIP EXTRACTION ET 7-1IP is a compact electrically driven unit to extract and clean soldering process air efficiently.

Every workbench can be equipped very easy with this small and silent filter unit. Due to its integrated pump a connection to compressed air is not required for the ET 7-1IP unit.

The filter unit has a filtration efficiency of 99.97 % (DOP). The filtration of noxious gases also reaches highest efficiency.

Activated carbon specially impregnated with potassium permanganate is used as filter media. Dust migration is totally eliminated.



The ERSA EASY TIP EXTRACTION line is complemented by a wide range of soldering iron adapters. Those easy-to assemble clip-on kits are available for ERSA soldering irons and soldering irons of different manufacturers.

ERSA product range

Soldering tools

- NEW DIMENSION
- PROFI-LINE
- IR-Rework
- CLEAN-AIR

Soldering systems

Wave soldering

- ETS-line
- EWS-line
- N-Wave-line

Reflow soldering

- Hotflow 3
- Hotflow 5
- Hotflow 7
- Hotflow 9
- Hotflow 11
- HOTFLOW 2 line
- ERS 250
- ERS 260

Selective soldering

- VERSAFLOW
- VERSAFLOW line
 - Highspeed
 - Multiwave
 - Compact
- place & solder
- EAS-line

Inspection systems

- ERSASCOPE
- ImageDoc Software

Other services

- Know-how seminars
- In-House trainings
- Test soldering
- Installation and maintenance assistance
- Process support

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Technical data:

No. of soldering irons that can be connected:	1
Dimensions:	220 x 171 x 171mm (H x D x W)
Weight:	3.0 kg
Noise level:	< 48 dB (A)
Airflow:	22-24 l/min
Particle filtration:	>99,97 % (DOP/ HEPA)
Gas Filter:	impregnated, activated carbon
Power supply:	230 V, 50-60 Hz
Consumption:	60 W
Fuse:	1 AT



Order nos.:

Basic unit:

0CA07-001 Filter unit ERSA Easy Tip Extraction ET 7-1IP

Clip-on kits:

3CA00-3001 Clip-on kit for ERSA Micro tool soldering iron
3CA00-3002 Clip-on kit for ERSA Tech tool, Power tool and Ergo tool soldering irons
3CA00-3003 Clip-on kit for ERSA Basic tool and Tip tool soldering irons
3CA03-3015 "Universal" clip-on kit for various soldering irons

Spare filters:

3CA07-1001 Combined Filter (CF) for ET 7-1IP filter unit
3CA07-1002 Prefilter (PF) (5 pcs) for ET 7-1IP filter unit

Accessories for clip-on kits:

3CA00-2004 Silicone hose Ø 7 mm, yard ware
3CA00-2005 Silicone hose Ø 8 mm, yard ware (standard)
3CA00-9012 Big cable clamp for clip-on kits
3CA00-9020 Cable clamp for clip-on kit (Micro tool, small)
3CA00-9014 Brass cleaning brush 4 mm (standard)
3CA00-9015 Stainless steel cleaning brush 5 mm

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