

Compact fume filtration at the workbench**ERSA Clean Air – powerful, quiet and efficient**

The new filter unit ERSA EASY ARM EXTRACTION EA 110 *plus* is a compact and powerful system to efficiently clean soldering process air.

Due to its variable power control and high suction power, the unit can extract solder fume from up to two workbenches. The variable and easy to change mounting of the unit allows usage in any industrial environment.

The solder fume filtration follows several steps: First a particle filter separates even floating particles from the process air. In the gas filter, activated carbon absorbs harmful gas molecules. A powerful blower guarantees a constant suction power during the entire filter lifetime. Filtration efficiency is controlled by a time control (filter lifetime) and by the measurement

of the suction power. A necessary filter exchange is indicated by optical and acoustical signals. If the filter is clogged the unit switches off automatically.

Filter exchange is very easy to handle by only lifting the unit's cap, changing the filterbox and closing the unit again.

Different suction nozzles are available for various working conditions. Each suction nozzle can easily be connected with the flexible suction arm enabling the user to adapt the EA 110 *plus* to any new working conditions within minutes.

A very low noise level is another feature of this filter unit, which enables this system to be used in all surroundings from electronic production to testing floor and laboratories.

ERSA product range**Soldering tools****NEW DIMENSION**

- Soldering / desoldering stations
- SMD-Equipment
- Accessories

PROFI-LINE

- Hand soldering tools
- Battery-powered / gas soldering irons
- Solder baths
- Special tools

BGA/SMT-Rework

- IR Rework Center
- Placing systems
- Reflow process camera

CLEAN-AIR**Soldering systems**

- Wave soldering machines
- Reflow soldering machines
- Selective soldering machines
- Process optimization software

Inspection systems

- ERSASCOPE
- ImageDoc Software

Other services

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

Compact fume filtration at the workbench**Characteristics:**

- Particle- and gas filtration
- Two flexible suction arms ø 55 mm connectable
- Integrated control unit
- Variable power control
- Automatic storage of suction power
- Optic and acoustic indication of low suction
- End of filter lifetime optically and acoustically indicated
- Auto switch off function
- Easy filter exchange
- Universal suction nozzles

Technical data:

Dimensions: 460x210x470 mm / 18.1x8.3x18.5 in

ø suction arms: 55 mm/2.165 in

Weight: 10 kg/22 lb

Noise level (1m): 51 dB (A) (free running)

Suction power: 140 m³/h/4.944 ft³/h

Vacuum: up to 2,200 Pa (0.22 bar)

Particle filtration: >99.97 % (DOP/ HEPA)

Gas filter: activated carbon



Power supply: 100 - 250 V, 50/60 Hz

Consumption: 100 W

Fuse: 2 x 6,3 AT

**Order nos.:****Basic unit:**

0CA08-002 ERSA EASY ARM EXTRACTION
EA 110 *plus* filter unit

Accessories / Spare parts:

3CA06-9001 Table clamp for filter unit
EA 110 *plus*

3CA06-1001 Spare filter for ERSA Easy Arm
Extraction EA 110 *plus* filter unit
(Exchange every 1,500 h, latest)

3CA06-2002 Connecting hose with quick cou-
pling 3CA06-9004

3CA06-9003 Quick coupling for connecting hose

3CA06-9004 Quick coupling for EA 110 *plus* and
extraction arm

Extraction arms:

3CA06-4001 Extraction arm with
700 mm flexible hose, incl. connecting
hose, table mounting and quick
coupling



3CA06-4002 Extraction arm
1,000 mm flexible hose (to be
installed directly at the EA 110 *plus*
filter unit) with 2 quick couplings

Extraction nozzles for extraction arms:

3CA06-5001
Metal extraction nozzle, 50 mm ø



3CA06-5002
Antistatic extraction nozzle
190 x 100 mm



3CA06-5004
Extraction nozzle "Plus", ESD,
215 x 90 mm



3CA06-9006
Stop valve for extraction arm

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