

DATA

EA 55 i

ERSA solder fume extraction - compact, economic and powerful

Fig. EA 55 i (0CA09-001), i-CON1 C (0IC1100A0C) with i-Tool and holder, heating plate (0IRHP100A-03), XIY PCB table (0IR5500-01),



A clean, quiet solution

The filter unit ERSA Easy Arm Extraction **EA 55 i** is a compact and powerful system to efficiently clean soldering process air at the workbench. Utilised with either the *i-CON1 C* or *i-CON2 C* soldering stations, connected with an interface cable, this filter system opens up a completely new dimension of intelligent solder fume extraction.

The extraction unit can be operated in the continuous mode, or, with an *i-CON* connected, it is only working whilst the attached soldering station is in operation, stopping as soon as the soldering station goes into standby mode. Filter usage times are increased, energy costs and operational noise level are significantly reduced.

The EA 55 *i* can be installed variably and easily. A very low operation noise level and its robust metallic case allows running the system in basically all industrial surroundings from testing floor and laboratories to electronic production.

The solder fume filtration occurs in three stages: First a pre-filter captures the large particles. Then the HEPA particle filter removes all the remaining hazardous particles. Finally the activated carbon gas filter adsorbs any harmful gas molecules.

The powerful blower guarantees an adequate airflow throughout the filter life. An optical alarm indicates necessary filter changes.



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EA 55 *i* scope of delivery:
Filter unit, extraction arm (incl. table clamp for arm), nozzle, interface cable and power cord



ERSA®

Technical Highlights:

- ▼ Efficient particle- and gas filtration
- ▼ Easiest filter exchange via quick release fasteners
- ▼ One flexible extraction arm, Ø 50 mm, connectable
- ▼ Optic indication of low suction or end of filter lifetime
- ▼ Interface to connect *i*-CON C soldering stations

Technical Data:

| | |
|--|---|
| Dimensions (L x W x H): | 290 x 270 x 410 mm |
| Weight: | 10 kg |
| Extraction arm: | Ø 50 mm, length 1 m |
| Electrical data: | 75 W / 100 - 250 V / 50 - 60 Hz |
| Volume flow (free flowing / with new filter): | 110 m ³ /h / 105 m ³ /h |
| Vacuum: | 1,400 Pa |
| Noise level: | 56 dB (A) |
| Particle filter (filter class pre-filter / main filter): | F7 / H13 |
| Filter area: | 1.9 m ² |
| Separation degree: | > 99.97 % (HEPA) |
| Gas filter: | activated carbon |

Ordering Information:**Basic Unit:**

0CA09-001 ERSA EA 55 *i* Easy Arm Extraction, complete with extraction arm, -nozzle and interface cable.

Soldering Stations:

01C1100A0C electronic temperature controlled soldering station with interface, antistatic, 230/24 V, 80 W



01C2000A0C electronic temperature controlled double iron soldering station with interface, anti-static, 230/24 V, 120 W

Spare Parts and Accessories:

3CA09-4005 table clamp for EA 55 *i* extraction unit



3CA09-1001 Combined HEPA / gas filter



3CA09-1002 pre-filter, (5 pcs./pu)



3CA09-4001 extraction arm, length 1 m, complete



3CA09-4004 extraction nozzle



3CA09-3001 interface cable



3CA09-3005 standby switch



Solder fumes are known to be a big **RISK TO HEALTH**



FILTRATION of particles and gases is a must in soldering



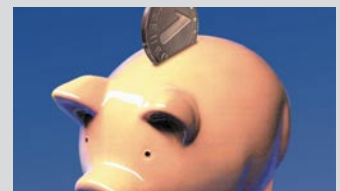
Arm extraction is most efficient and **FLEXIBLE**



Very **SILENT** operation - for all environments



Long-life and **ROBUST** metallic systems for industrial use



Remote control generates filter- and energy **SAVINGS**