

DATA

EA 110 *plus i*

Compact fume filtration at the workbench



ERSA

ERSA Clean-Air systems - powerful, quiet, efficient and intelligent

The intelligent filter unit ERSA Easy Arm Extraction EA 110 *plus i* is a compact and powerful system to efficiently clean soldering process air at the workbench. Combined with up to two i-CON 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 filtration.

The extraction unit is only working while at least one of the attached soldering stations is in operation. Do both i-CON units rest in the "standby" mode, the EA 110 *plus i* will automatically switch off. Filter usage times are increasing, energy costs and operation noise level will be significantly reduced to a minimum.

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 two stages: First a particle filter separates even floating particles from the process air. Activated carbon absorbs

harmful gas molecules in the gas filter. 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 suction power measurement. A necessary filter exchange is indicated by optic and acoustic signals. If the filter is clogged completely, the unit switches off automatically.

Filter exchange is very easy to handle by only lifting the unit's lid, changing the filter box and closing the system again.

Different extraction nozzles are available for various working conditions. Each extraction nozzle can easily be attached to the flexible extraction arm enabling the user to adapt the EA 110 *plus i* to any new working conditions within seconds.

A very low noise level is another feature of this filter unit. Silent operation in a robust metallic case allows running the system in basically all industrial surroundings from electronic production to testing floor and laboratories.

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*Silent solder fume extractions
suiting every working environment*

Technical Highlights:

- ▼ Efficient particle- and gas filtration
- ▼ Two flexible extraction arms, Ø 55 mm, connectable
- ▼ Continuously adjustable suction power and automatic switch-off
- ▼ Optic and acoustic indication of low suction or end of filter lifetime
- ▼ Easy filter exchange
- ▼ 3 different types of universal extraction nozzles
- ▼ Interface to connect *i*-CON C soldering stations or a standby switch
- ▼ Optional IR remote control

Technical Data:

Dimensions (L x W x H):	460 x 210 x 470 mm (W x D x H)
Weight:	10 kg
Extraction arms:	Ø 55 mm, length 0.7 m or 1 m
Electrical data:	100 W / 100 - 250 V / 50 - 60 Hz
Volume flow (free flowing / with new filter):	140 m³/h / 100 m³/h
Vacuum:	2,200 Pa
Noise level:	51 dB (A) max.
Filter class of particle filter:	H13
Filter area:	2.3 m²
Separation degree:	> 99.97 % (HEPA)
Gas filter:	activated carbon

Ordering information:

Basic Unit:



OCA08-002 ERSA EA 110 *plus i* Easy Arm Extraction, complete, with *i*-CON interface, for 2 extraction arms.

Soldering Stations:



OIC1100A0C electronic temperature controlled soldering station with interface, antistatic, 230/24 V, 80 W



OIC2000A0C electronic temperature controlled double iron soldering station with interface, antistatic, 230/24 V, 120 W

Spare Parts and Accessories:



3CA06-9001 table clamp



3CA06-1001 spare filter



3CA06-4001 extraction arm with 700 mm flexible hose, with table mounting



3CA06-4002 Extraction arm with 1,000 mm flexible hose, to be installed directly at the filter unit



3CA06-5001 extraction nozzle, metallic, Ø 50 mm



3CA06-5002 extraction nozzle, antistatic, 215 x 90 mm, transparent



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



3CA06-9006 shut-off valve



3CA08-3004 interface cable set



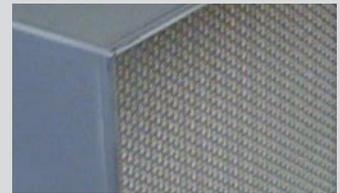
OCA08-3005 standby switch



OCA08-3006 remote control



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**