



### Technical Highlights:

- Efficient particle and gas filtration
- Connections for two flexible extraction arms, ø 55 mm
- 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

## 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.



Solder fumes are known to be a big risk to health



Filtration of particles and gases is a must



Arm extraction is most efficient and flexible



Very silent operation - for all environments



Long-life and robust metal housings for industrial use



Remote control generates filter and energy savings



### Ordering information:

Order Number	Description
<b>OCA08-002</b>	<b>Ersa EASY ARM 110 plus i</b> , complete, with i-CON C interface, for 2 extraction arms

Technical Data:	
Dimensions (L x W x H):	460 x 210 x 470 mm
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

### Spare parts and accessories:

Order Number	Description	Part
<b>3CA06-9001</b>	<b>Table clamp</b>	
<b>3CA06-1001</b>	<b>Spare filter</b>	
<b>3CA06-4001</b>	<b>Extraction arm</b> with 700 mm flexible hose, with table mounting	
<b>3CA06-4002</b>	<b>Extraction arm</b> with 1,000 mm flexible hose, to be installed directly at the filter unit	

Order Number	Description	Part
<b>3CA06-5001</b>	<b>Extraction nozzle</b> metallic, ø 50 mm	
<b>3CA06-5002</b>	<b>Extraction nozzle</b> 190 x 100 mm, ESD	
<b>3CA06-5004</b>	<b>Extraction nozzle "Plus"</b> 215 x 90 mm, ESD	
<b>3CA06-9006</b>	<b>Shut-off valve</b>	
<b>3CA08-3004</b>	<b>Interface cable set</b>	
<b>3CA08-3005</b>	<b>Standby switch</b>	
<b>OCA08-3006</b>	<b>Remote control</b>	

### Ersa soldering stations with interface: (optional)

Order Number	Description
<b>OIC1100A0C</b>	<b>Ersa i-CON 1 C</b> electronic temperature-controlled soldering station with interface, antistatic, 230/24 V, 80 W
<b>OIC2000A0C</b>	<b>Ersa i-CON 2 C</b> electronic temperature-controlled double iron soldering station with interface, antistatic, 230/24 V, 150 W

Order Number	Description
<b>OICV2000A</b> (all versions)	<b>Ersa i-CON VARIO 2</b> multi-channel soldering and desoldering station with interface, i-TOOL AIR S hot air iron and i-TOOL soldering iron for classical soldering applications or the new CHIP TOOL VARIO desoldering tweezers, antistatic, 230/24 V, 200 W
<b>OICV4.000A</b> (all versions)	<b>Ersa i-CON VARIO 4</b> multi-channel soldering and desoldering station for the operation of up to 4 tools (i-TOOL AIR S hot air iron, i-TOOL soldering iron, CHIP TOOL VARIO desoldering tweezers and X-TOOL desoldering iron), with interface, antistatic, 230/24 V, 500 W

Subject to changes | 11/2012 © by Ersa GmbH