



ERSA EA55 i

Intelligent filter unit to clean process air from particles and gases



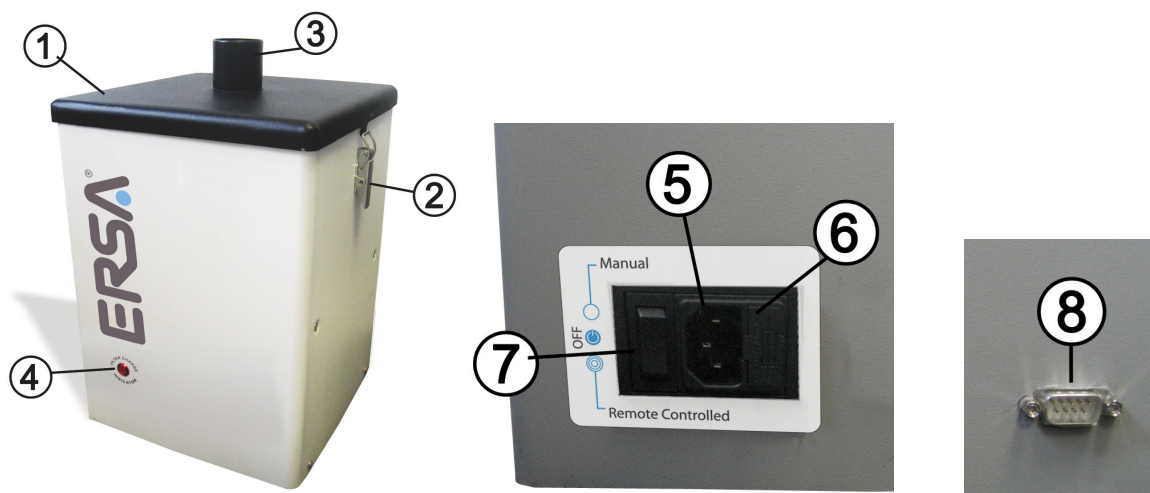
Operating Instruction



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Pictures



Rear plate

Fig 1

- 1 Lid
- 2 Fasteners
- 3 Connection for arm
- 4 Indicator filter change
- 5 Mains socket
- 6 Fuse
- 7 Manual or remote control switch
- 8 Interface socket (for connection to Ersa i-CON C soldering station with interface)

Introduction

ERSA CLEAN AIR EA 55 i is an intelligent, compact filter system designed for the work bench in electronic industry, laboratories and service workshops.

The units intended use is the extraction and filtration of solder fumes in electronic manufacturing.

Scope of supply

Before you start to use the unit please check that all components listed below are complete and undamaged.

The EA 55 i packaged unit comprises

Filter unit EA55i complete with filters

Power cord

RS interface cord

Stay put arm and connector

Table clamp for arm

These operating instructions

Technical Data

Height	410mm
Width	290mm
Depth	270mm
Weight	10Kgs
Noise level 1m	56 dB(A)
Voltage	100-250V
	50/60Hz
Power consumption	75W
Airflow, max.	105m ³ /hr
Vacuum	1400 Pa (14mbar)
Fuse	T2A 250V H
Pre filter	F7
HEPA filter	H13 (99.997% @ 0.3 microns)
Gas filter	Impregnated activated carbon

Ambient temperature for unit in operation 0-35°C

The unit meets the following EC-guidelines:

89/392, 91/368, 93/44,93/68,2004/108, 2006/95

Safety Instructions

Important note:

The filter system must not be exposed to temperatures exceeding +50°C, open flame or condensed solvents. Disconnect mains (fig 1.5) when replacing filter.

The Interface socket (Fig 1.8) must not be connected to any other equipment than ERSA i-CON 1C or ERSA i-CON 2C!

Taking into operation

Place the extraction unit on the floor or hook it up with the Table clamp (3CA09-4005) to the working bench.

Connect the suction arm to the extraction unit. The filter unit is powered from a 1-phase 10A socket.



4.1 Before starting work

Please check that the supply voltage is in accordance with the voltage stated on the name plate.

Description of function

Once the mains cable is connected, to the filter system EA 55 i, the switch (fig 1.7) must be switched to either the manual position for continuous operation or to the remote control position for control by the soldering iron (see page 9)

The red filter blocked light (fig 1.4) will be off in normal operation. When it illuminates it is the signal to change the filter (see 7.1 filter replacement)

Interface cable set to connect with ERSA soldering stations

Ensure the switch (fig 1.7) is set to the remote control position. The filter system will stop.

The filter system EA55 i can easily be connected to soldering station ERSA i-CON 1C or ERSA i-CON 2C by using an interface cable set (Part No 3CA09-3001)

Connect the interface cable set to the interface socket (Fig 2.1).

Then connect the other end of the cable (Fig 2.2) to the interface socket at the back of the soldering station ERSA i-CON 1C or ERSA i-CON 2C. The filter system will now start up.

The filter system EA55 i will now operate whenever the soldering iron is removed from its holder and stop when the soldering iron has not been used for its pre set standby time delay.



Fig 2

Trouble shooting

WARNING

Do not modify filter system. Repairs should only be carried out by experienced and authorised experts. The filter unit contains live mains supply components. Inexpert handling may be life threatening.

Filter unit does not start

Check mains and T2A 250V H fuse.

Ensure switch (fig 1.7) is in “manual” position.

Red filter blocked light illuminated

Filter needs changing (see 7.1filter replacement)

For all other problems contact your local ERSA representative.

Maintenance and servicing

To make sure that the filter system works properly, regularly clean the nozzle and suction arm. Other than this the only maintenance required is filter replacement, which is needed when the red filter blocked light is illuminated.

7.1 Filter Replacement

Disconnect the mains lead

Remove the arm from the unit lid

Undo the catches on either side of the unit and remove the lid

Remove and dispose of the pre filter from the top of the combined filter

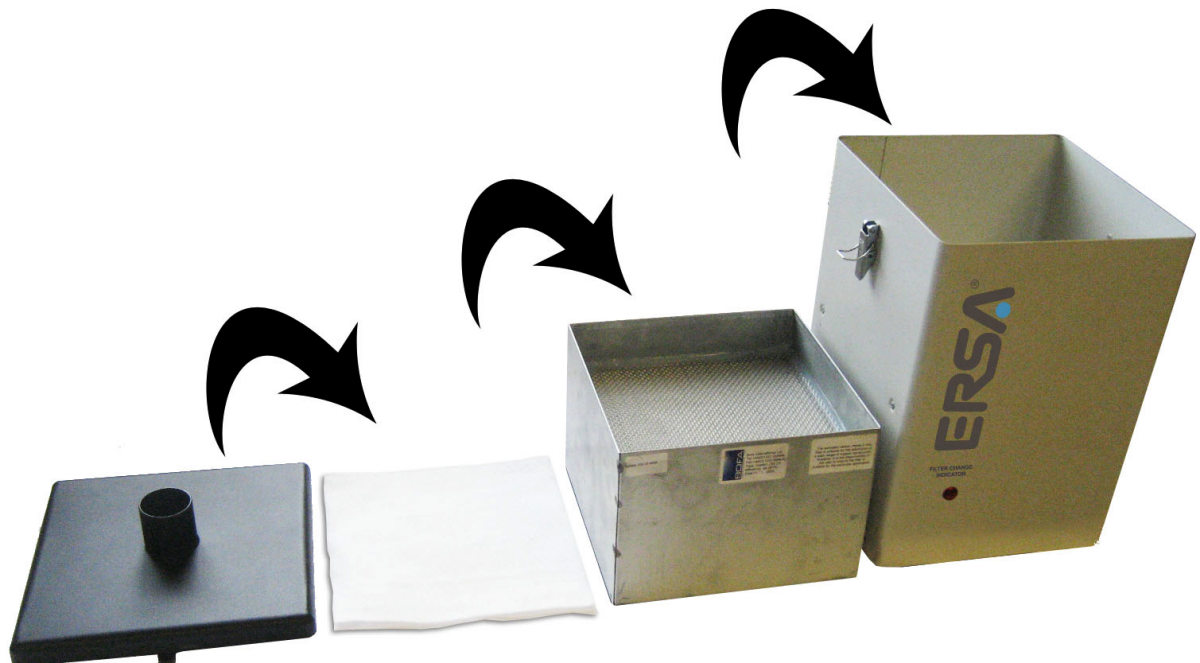
Fit a clean pre filter into the top of the combined filter.

Replace the lid, reposition the arm and reconnect the mains lead.

After the pre filter has been renewed several times the filter blocked light will stay on. This is the signal to replace the combined filter.

Follow the procedure above but having removed the lid lift the pre and combined filter out of the unit and replace with clean filters. (if just replaced the pre filter may be re-used).

Replace the lid, reposition the arm and reconnect the mains lead.



7.2 Disposal

Disposal Notice in accordance with directive 2002/96/EC of the European Parliament and the council of January 27, 2003 on Waste Electrical and Electronic Equipment (WEEE).

Products labelled with the symbol of the crossed out wheeled bin must not be disposed of with unsorted municipal waste. For this purpose the local authorities have set up collecting points. Please ask your municipality which possibilities are offered for the separate collection of WEEE.

This way, you make your contribution to the re-use or other forms of use of WEEE to protect our environment and health.

Filters for filter systems EA55 i shall be disposed according to local regulations. The filters are classified as burnable waste and categorised in the EWC (European Waste Catalogue) with code EWC 150202

Spare parts and accessories, ordering info

<u>Order-No.</u>	<u>Designation</u>
0CA09-001	ERSA Easy Arm Extraction EA 55i filter unit
3CA09-1001	Replacement combined filter
3CA09-1002	Replacement pre filter (pack 5)
3CA09-3001	Interface cable to connect i-CON 1C or i-CON 2C
3CA09-4001	Suction arm 1m flexible with nozzle
3CA09-4002	Adaptor for extraction arm
3CA09-4003	Mounting bracket for extraction arm
3CA09-4005	Table clamp for filter unit

Warranty

Note:

Only use genuine ERSA consumables and spare parts in order to ensure reliable function and to maintain the unit's warranty.

All data published in these operating instructions, including information about products and processes, have been determined by using the most up-to-date facilities and are correct to the best of our knowledge. However, the information given is not binding and does not free the user from his or her responsibility to check the equipment before using it. We cannot accept any liability for the infringement of the rights of third parties due to applications and procedures unless expressly confirmed in advance in writing.

We reserve the right to introduce technical changes in the course of product development.