

# Ersa EASY ARM 1 and EASY ARM 2

Ersa solder fume extractions – silent and efficient as never before!



## Technical highlights:

- Efficient 3-stage particle- and gas filtering
- Super silent operation
- Independently adjustable suction power per arm
- Optical and acoustical filter exchange status
- Easy and fast filter exchange – without tools
- Identical filters for EASY ARM 1 and EASY ARM 2
- Interface to interact with i-CON soldering stations

## Ersa solder fume extractions satisfy with high exhaust power and super silent operation!

Ersa solder fume extraction units are based on over 15 years of experience in process air cleaning by Ersa.

They stand out by a high suction power and an efficient filter performance combined with super silent operation. Exhaust volume per arm is 100 m<sup>3</sup>/h. Both the EASY ARM 1 and EASY ARM 2 are equipped with filters that clean the process air in three stages: The pre-filter absorbs dust and big particles. The combined filter separates micro particles which occur during soldering and absorbs dangerous gas molecules in the incorporated activated carbon filter.

The operator can choose between a system with one exhaust arm – the EASY ARM 1 – and a unit with two exhaust arms – the EASY ARM 2. Both

units can be mounted individually by means of their table clamp. Exhaust power is set independently for each extraction arm at the touch of a button. The EASY ARM 1 and EASY ARM 2 use an identical pre-filter and combined filter. Optical and acoustical signals inform the operator when filters have to be exchanged. A wide range of exhaust arms and nozzles for all applications are available so that the user will find the proper solution for his requirements.

For energy saving purposes and to extend filter lifetime, both units can be connected with Ersa i-CON soldering stations or a standby switch. In this way, the extraction unit is only working whilst the attached soldering station is in operation, stopping as soon as the soldering station goes into standby mode.



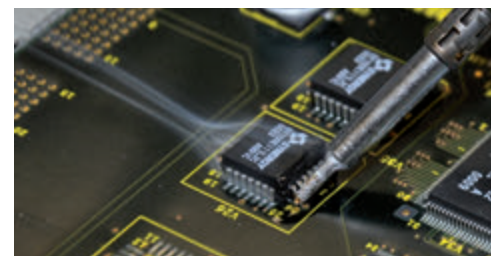
*Ersa EASY ARM 1 with exhaust arm Omniflex and round exhaust nozzle*



*Clearly structured control panel*



*High-end filter materials, same filters for EASY ARM 1 and EASY ARM 2*



*Efficient solder fume extraction directly at the solder joint*

### Technical data

|  | Ersa EASY ARM 1   | Ersa EASY ARM 2   |
|--|---|---|
| Dimensions (L x W x H), incl. inlet:           | 255 mm x 255 mm x 470 mm                                | 490 mm x 255 mm x 470 mm                                |
| Weight:  | 7.5 kg  | 15 kg   |
| Volume flow (with new filter):                 | 1 x 100 m³/h  | 2 x 100 m³/h  |
| Volume flow of blower:                         | 1 x 130 m³/h  | 2 x 130 m³/h  |
| Vacuum:  | 1 x 1,800 Pa  | 2 x 1,800 Pa  |
| Noise level:                                   | 50 dB (A)   | 50 dB (A)   |
| <b>Filter class</b>                            |   |   |
| Prefilter (mat):                               | F7  | F7  |
| Combined filter:                               | H13   | H13   |
| <b>Separation degree (HEPA)</b>                |   |   |
| Prefilter 1 – 10 µm particles:                 | 80 % – 90 %   | 80 % – 90 %   |
| Combined filter < 1 µm particles:              | 99.95 %   | 99.95 %   |
| Filter area combined filter:                   | 2.2 m²  | 2.2 m²  |
| Gas filter:                                    | activated carbon  | activated carbon  |
| Life time combined filter:<br>(hand soldering) | 1,500 h   | 1,500 h   |
| Electrical data:                               | 40 W, 100 – 240 V AC, 50/60 Hz                          | 80 W, 100 – 240 V AC, 50/60 Hz                          |
| Fuse:  | 6.3 A   | 6.3 A   |
| Connections:                                   | interface to i-CON soldering stations or standby switch | interface to i-CON soldering stations or standby switch |
| <b>Order number</b>                            | <b>OCA10-001</b>  | <b>OCA10-002</b>  |

### Ersa soldering stations with interface (option)

| Order number                       | Description   |  |
|------------------------------------|---|--|
| <b>OIC1100A0C</b>                  | <b>Ersa i-CON1 C</b><br>electronically temperature-controlled soldering station with interface, antistatic, 230/24 V, 80 W  |  |
| <b>OIC2000A0C</b>                  | <b>Ersa i-CON2 C</b><br>electronically temperature-controlled double iron soldering station with interface, antistatic, 230/24 V, 150 W   |  |
| <b>OICV2000A</b><br>(all versions) | <b>Ersa i-CON VARIO 2</b><br>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>OICV4000A</b><br>(all versions) | <b>Ersa i-CON VARIO 4</b><br>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 |  |

### Accessories and spare parts

| Ord. no.             | Description   |  |
|----------------------|---|--|
| <b>OCA10-4002</b>    | extraction arm, 1,000 mm Highflex, direct mount at the filter unit                                |  |
| <b>OCA10-4003</b>    | extraction arm, 900 mm Omniflex, direct mount at the filter unit                                  |  |
| <b>OCA10-4001</b>    | hinged extraction arm, 500 mm Highflex and table clamp, incl. connecting hose                     |  |
| <b>OCA10-4004</b>    | hinged extraction arm, 600 mm Omniflex and table clamp, incl. connecting hose                     |  |
| <b>OCA10-2002</b>    | connecting hose length 2,000 mm   |  |
| <b>OCA10-9006</b>    | nozzle coupling Omniflex<br>(only with extraction arms Omniflex and extraction nozzles 5001/5004) |  |
| <b>OCA10-5001*</b>   | extraction nozzle, ø 60 mm, metallic, antistatic  |  |
| <b>OCA10-5002</b>    | extraction nozzle, round, ø 118 mm, antistatic  |  |
| <b>OCA10-5003</b>    | extraction nozzle, rectangular, 155 mm x 90 mm, antistatic  |  |
| <b>OCA10-5004*</b>   | extraction nozzle Plus, 230 mm x 85 mm, transparent   |  |
| <b>3CA10-9001</b>    | table clamp for EASY ARM 1  |  |
| <b>3CA10-9002</b>    | table clamp for EASY ARM 2  |  |
| <b>OCA10-1001</b>    | combined filter, particle filter H13, gas filter activated carbon                                 |  |
| <b>OCA10-1002/04</b> | prefilter, particle filter F7 (4 pcs./packing unit)   |  |
| <b>3CA10-2003</b>    | interface cable to connect i-CON1 C/2 C, i-CON VARIO 2/4 with fume extraction                     |  |
| <b>3CA10-2004</b>    | standby switch  |  |

\* In combination with an Omniflex arm, nozzle coupling Omniflex (OCA10-9006) is required.