

# LRA



**Clean air,  
high performance.**

**The LRA series,  
modular extraction  
and filter systems  
for soldering  
smoke.**



**Air handling equipment for environmental  
and health protection**



## Extraction and filter systems for soldering smoke. LRA series of equipment

# LRA

# Series

Soldering smoke is detrimental to people's health. Fluxes, detergent residues and their decomposition products evaporating during the soldering process contain harmful substances. Extraction and filter systems of the LRA series can be used for cleaning the air directly at the workplace. A high degree of cleaning is achieved so that the filtered air can be recycled into the working room without any loss of heat. The extraction rate of the filter equipment ranges from 50 m<sup>3</sup>/h to 2,000 m<sup>3</sup>/h.

### Features of the LRA series

Low noise level, compact design, high-performance fans, high pressure reserves, optimized filter combinations, easy-to-operate

### Fields of application

In the electronics industry, in manual soldering operations:

- point extraction
- extraction integrated in soldering iron

in soldering machines:

- wave soldering installations
- reflow soldering installations
- selective soldering installations
- soldering robots
- laser soldering operations



**Type series 150**

Flow rate: 50 - 150 m<sup>3</sup>/h  
 Vacuum: max. 2,650 Pa  
 Power supply: 230 V / 50 Hz / 0.15 kW  
 Dimensions: 370 x 370 x 560

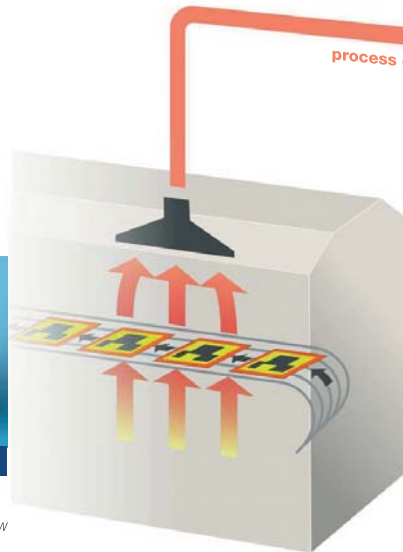
Flow rate controller  
 Operating-hours meter  
 Filter dust load indicator



**Type series 210**

Flow rate: 80 - 220 m<sup>3</sup>/h  
 Vacuum: max. 1,100 - 20,000 Pa  
 Power supply: 230V/50Hz/0.12-1.2kW  
 Dimensions: 630 x 400 x 450

Flow rate controller  
 Operating-hours meter  
 Filter dust load indicator



**Type series 250**

Flow rate: 80 - 450 m<sup>3</sup>/h  
 Vacuum: max. 2,600 Pa  
 Power supply: 230 V / 50 Hz / 0.37 kW  
 Dimensions: 370 x 500 x 700

Flow rate controller  
 Constant flow rate controller  
 Operating-hours meter  
 Filter dust load indicator



**Type series 400**

Flow rate: 400 - 900 m<sup>3</sup>/h  
 Vacuum: max. 3,700 Pa  
 Power supply: 230 V / 50 Hz / 1.1 kW  
 Dimensions: 630 x 580 x 900

Flow rate controller  
 Constant flow rate controller  
 Operating-hours meter  
 Filter dust load indicator



**Type series 1000**

Flow rate: 800 - 1,700 m<sup>3</sup>/h  
 Vacuum: max. 2,600 Pa  
 Power supply: 400 V / 50 Hz / 1.5 kW  
 Dimensions: 680 x 750 x 1,225

Minimum flow rate controller  
 Operating-hours meter

### Options

- can be equipped with explosion-proof fans
- designed for working environments meeting ESD standards
- special voltages/special frequencies
- can be developed to specific customer and process requirements
- all units are also available in high-grade steel construction
- interface for external control

### Facilities connected

- extraction arms
- extraction cabinets and hoods
- extraction benches and tables
- manufacturing cubicles
- soldering machines
- extraction integrated in soldering iron

### Filters for soldering smoke:

- sublimation filter
- preliminary filter for coarse dust
- particulate filter H13/H14
- activated-carbon filter
- automatically dedusting filters for specific processes

For detailed technical data refer to the specific information leaflets describing the equipment under [www.ult.de](http://www.ult.de)

**Certified Quality Management System ISO 9001:2000**



**ULT JUMBO®**



**Type series Filtertrolley 2.0**

Discover the alternative solution of a filtering machine for the extraction of soldering smoke.

Compact design, low-noise level, excellent manoeuvrability, great versatility in use, low weight, plastic housing, easy-to-operate, ideal match of function and design.

Ask for the ULT Jumbo Filtertrolley 2.0 leaflet under [www.ultjumbo.com](http://www.ultjumbo.com)



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**Extraction systems,  
Filter devices,  
Air handling equipment,  
Accessories –  
Adapted to your  
requirements.**

**Clean air,  
high performance.**