

Technical Documentation for Extraction and Filter Units **LRA Jumbo**



Extraction Units for Soldering Smoke

Hazardous materials in the form of evaporating fluxes, detergent residues and colophony smoke molest and endanger personnel. But most of the time they are not to avoid. Extraction and filter units of the LRA series clean the air directly at the workplace. Thus, hazardous effects on employees and machines can safely be prevented. Because of the high purity of the filtered air it can be supplied back to the working area, thus, decreasing energy costs. The simple and application-oriented, partially even individual, solutions result from longtime experience in theory and practice and a multitude of different application cases.

Advantages of the LRA Series

- low noise level
- compact design
- high performance fans with low energy consumption
- recyclable filters with a high capacity
- easy operation, maintenance and filter replacement

Fields of Application

Extraction and filter units of the LRA series are especially designed for the use in electro-technics and the electronic industry. Filtering of soldering smoke (evaporating fluxes), detergent residues and colophony smoke is possible for manual and automatic soldering.

Possible Connections

extraction arms, cabinets, hoods, plates, desks, manufacturing cells, soldering machines, soldering guns with integrated extraction system

Filter Technology

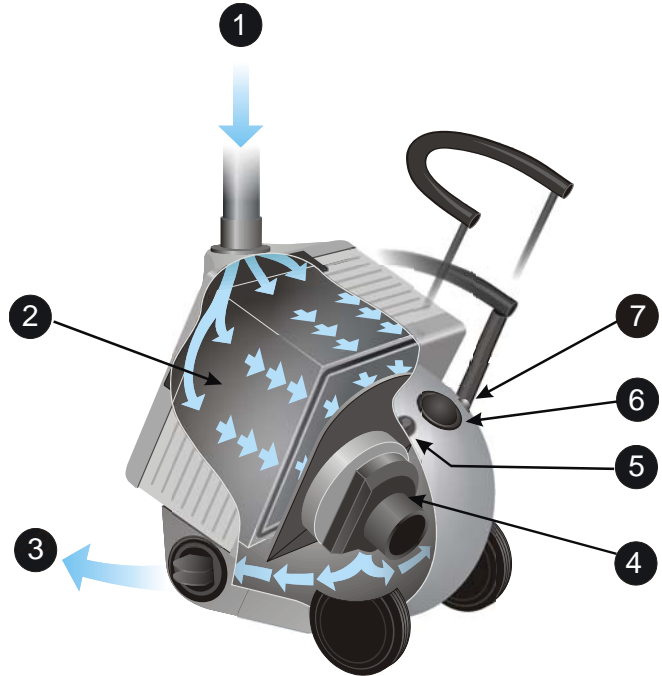
application-oriented equipment including

- sublimation filter,
- preliminary filter for coarse dust
- HEPA filter H13 / H14
- adsorption filter

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1. inlet stub
2. filter cartridge
3. air outlet
4. motor / fan
5. flow rate controller
6. power switch
7. loaded filter indicator



Functional principle:

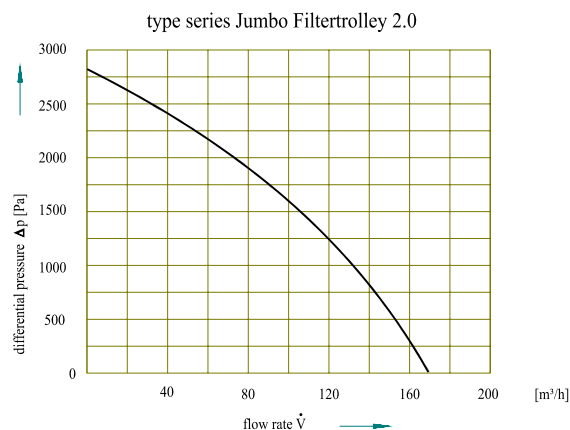
A special fan (4) with a large capacity of static pressure creates an air flow adapted to the respective application, at the clean air section of the filter cartridge (2). An optional flow rate controller is available. The hazardous air is reliably extracted (1) and cleaned. Because of the high purity of the filtered air it can be supplied back to the working area (3), thus, reducing energy costs. The different filters are combined in one filter cartridge and can be replaced singularly. The filter is recyclable.

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Specification / Fan Graph

Type Series		Jumbo
Parameters	Unit	
max. flow rate	M ³ /h	170
max. vacuum	Pa	2.800
nominal capacity	m ³ /h at Pa	80 / 1.400
nominal motor power	kW	0,15
nominal voltage	V	230
nominal current	A	0,95
frequency Hz		50
type of protection	IP	54
noise level at 50%	dB(A)	45
noise level at 100%	dB(A)	49
weight kg		18
flow rate controller		optional
loaded filter indicator		optional
inlet stub	mm	1 x Ø50 or 1 x Ø75 or 2 x Ø50
air outlet		2 x adjustable nozzles

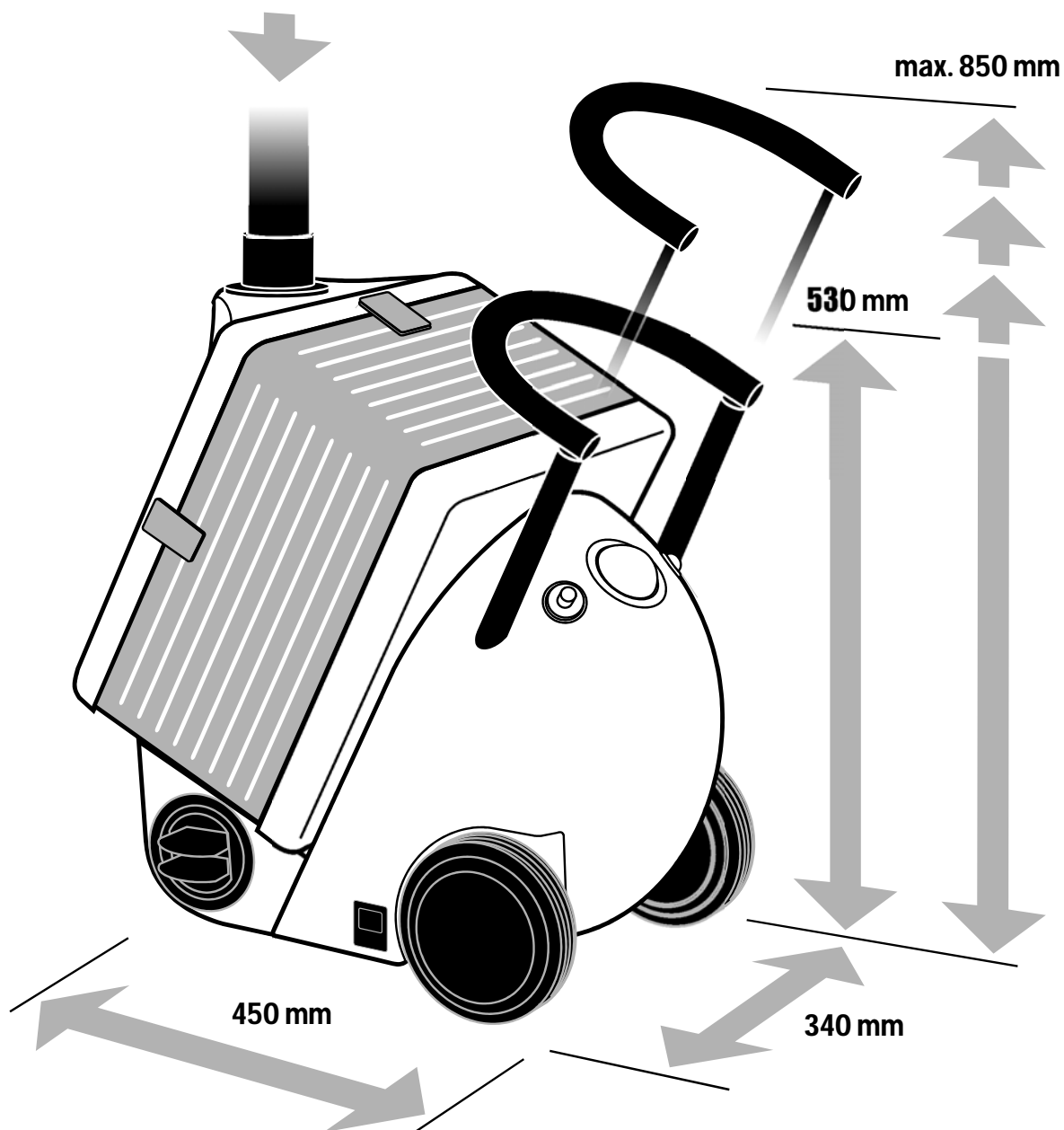


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Dimensions Filtertrolley 2.0 LRA

alternatively: 1 x Ø 50mm
1 x Ø 75mm
2 x Ø 50mm



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Spare parts Filterrolley 2.0 LRA

