

Extraction and filter systems for dust and smoke

Hazardous materials in form of coarse dust, fine dust, floating particles and aeriform substances are often not to avoid in production processes. Extraction and filter systems of the ASD series clean the air directly at the workplace. Thus, harm to employees and machines is safely prevented. The recirculation ventilation made possible by the highly purifying filters allows decentralised use and results in cuttings of energy costs. The simple and application-oriented, partially even individual solutions, result from longtime experiences in theory and in practice and from a multitude of different application cases.

Advantages of the ASD-series:

- low noise level
- compact design
- high performance fans – low energy consumption
- recyclable filters with high capacity
- easy operating, maintaining and filter replacing

Rang of application:

Filtering of coarse and fine dusts, floating particles and aeriform substances in almost all branches of industry. Examples are the building materials technology, precision engineering, laboratories, food industry, pharmacy and restoring studios etc. The extraction is used for processes as measuring, filling, laser-sintering, grinding, milling and cutting.

Options for connections:

extraction arms, extraction cabinets, extraction hoods, extraction panels, extraction desks, manufacturing cells

Filter technique:

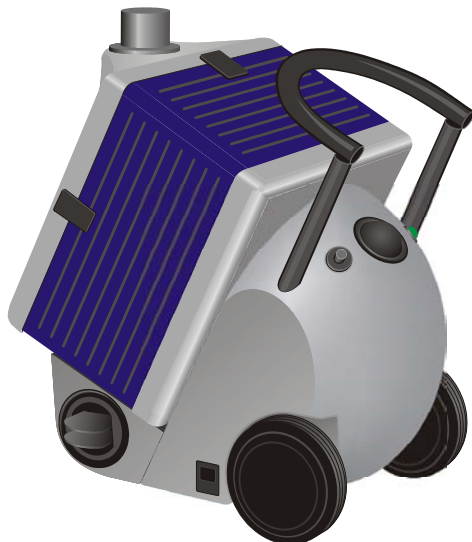
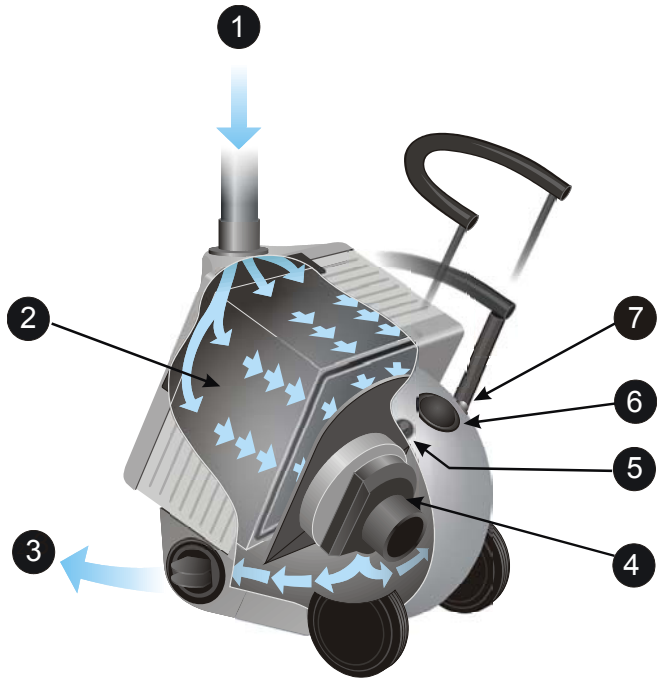
application-oriented equipment with:

- filter bag, filter mats,
- floating particle filter,
- adsorption filter, chemisorption filter

technical documents for
extraction and filter devices
AUD Jumbo



1. suction flange
2. filter cassette
3. air outlet
4. motor / fan
5. flow rate controller
6. power switch
7. loaded filter indicator



Functional principle:

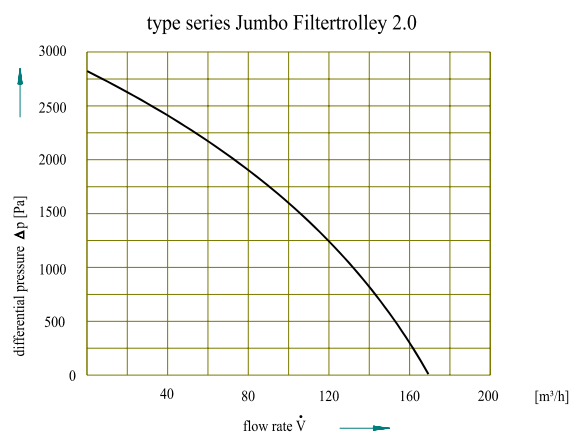
A special fan (4) with a high pressure stand-by creates an air flow, adaptable to the respective application, at the clean room side of the filter cassette (2). An optional flow rate controller is available. The hazardous air is consistently extracted (1) and cleaned. Because of the high purity of the filtered air it can be supplied back to the shop floor (3) helping to cut energy costs. The different filters are combined in one filter cassette and can be replaced singularly. The filter is recyclable.

technical documents for extraction and filter devices **AUD Jumbo**

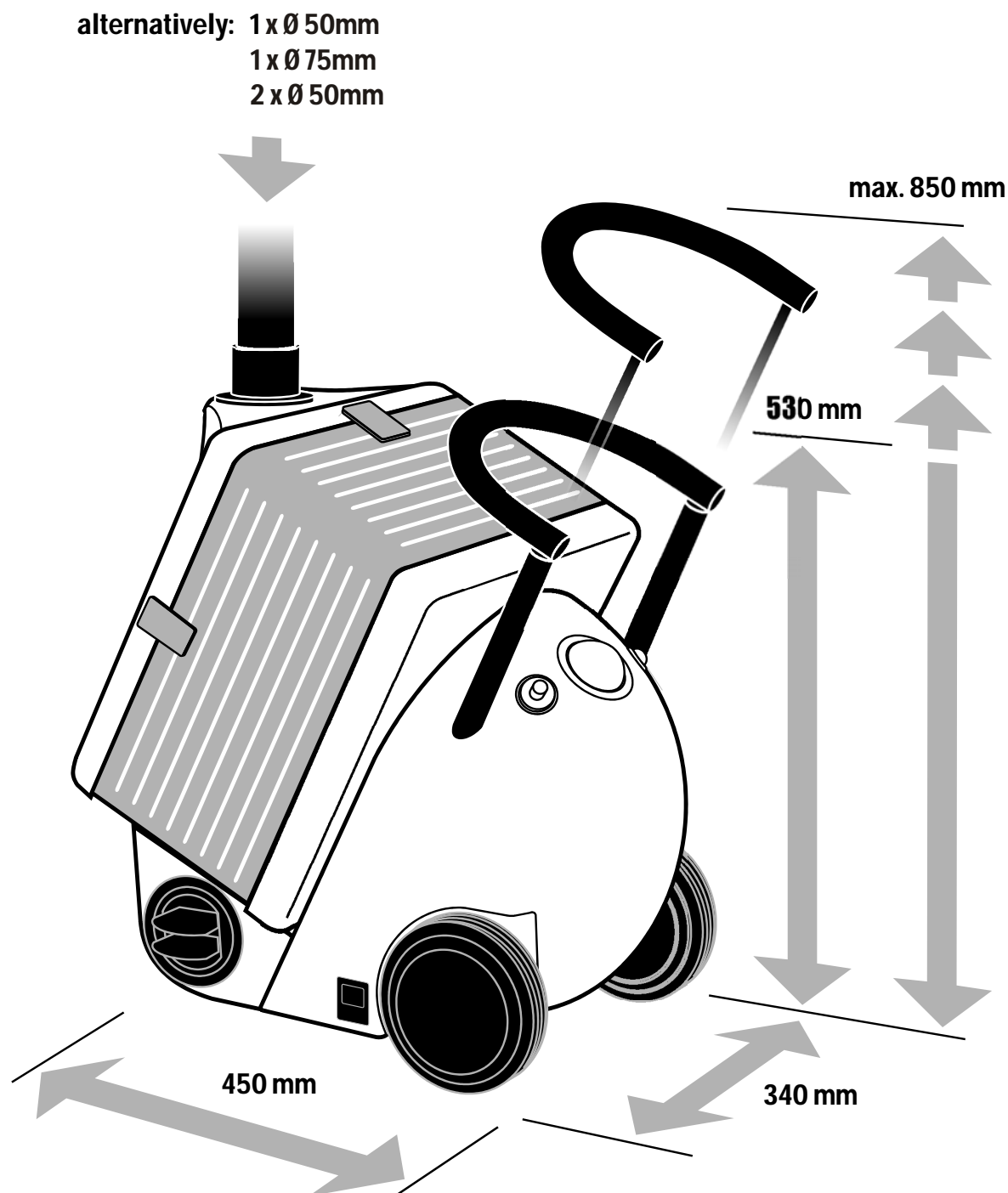


Technical specification / fan characteristics:

type series		Jumbo
parameter	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
protection mode	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
suction flange	mm	1 x Ø50 or 1 x Ø75 or 2 x Ø50
air outlet		2 x adjustable nozzles



Dimensions Filterrolley 2.0 ASD



Spare parts Filtertrolley 2.0 ASD

