

series 200
ASD 200 MD/HD H



LASER
FUMES



DUST AND
SMOKE



SOLDERING
FUMES



ODORS,
GASES, AND
VAPORS



CLEANING
INDUSTRIAL
GASES



NEW
EMISSIONS



WELDING
FUMES



OIL AND
EMULSION
MISTS



COMPLETE
SOLUTIONS

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DUST AND SMOKE

Use and application

The **ASD 200 MD/HD H** is suitable for collecting and filtering dry and non-combustible types of dust contained in non-explosive air mixtures. Any emitted and partially unhealthy **types of dust** ought to be extracted by collecting elements directly at their place of origin and can be filtered by the ASD 200 MD/HD H. The material of the filter elements ensures effective filtering out of the various dust particle sizes. The different filter elements can be changed separately extending the lifetime of the main filter element. The main filter element guarantees a separation efficiency of 99,95 %.

Examples

- ➔ engraving
- ➔ polishing
- ➔ grinding
- ➔ restoration / cleaning of artworks

ULT 200 mobile extraction and filtration unit

- ➔ mobile unit with castors
- ➔ compact solution for finest dusts
- ➔ control panel on the front side
- ➔ easy filter handling, modular system
- ➔ robust steel housing
- ➔ powder coated
 - vacuum module RAL 7001 silver grey
 - filter module RAL 7035 light grey



Filter system:

Storage filter system

Filters which are replaced once they are saturated.

Filter technology:

Main filter module H

- (1) Z-Line filter G4
filter class: G4 coarse dust filter according to DIN EN 779
- (2) Filter mat M5
filter class: M5 medium dust filter according to DIN EN 779
- (3) Particle filter cassette H13
filter class: H13 HEPA-filter according to DIN EN 1822



Configuration

Air flow controller: suction power is continuously adjustable

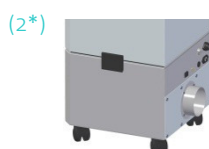
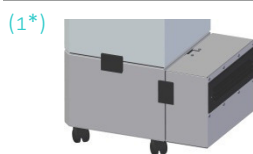
Loaded particle filter indicator: visualization of the particle filter condition

Interface SUB D9: standard configuration: remote ON/OFF, operation status, filter saturation 100%



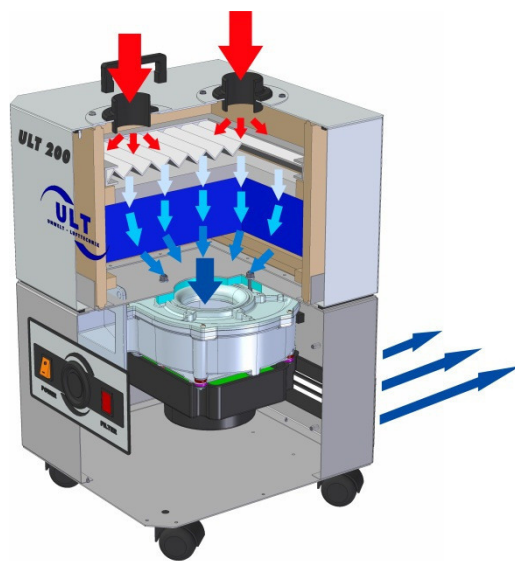
ASD 0200.0-aa.bb.cc.3001




Parameter	unit	-MD.11.10	-MD.14.11.	-HD.10.10.	-HD.12.11.
Max. air flow	m ³ / hr	190	635	210	220
Max. vacuum	Pa	3.200	3.200	20.700	22.000
Nominal capacity	m ³ /hr / Pa	80 / 1.900	250 / 2.000	120 / 13.000	120 / 12.000
Motor-nominal power	kW	0,15	0,36	1,20	1,30
Nominal voltage	V	1~ 230	1~ 230	1~ 230	1~ 230
Nominal current	A	1	2,2	6	11
Frequency	Hz	50 / 60	50 / 60	50	50 / 60
Protection class	IP	54	54	54	54
Type blower		EC-blower	EC-blower	coll. turbine	EC-turbine
Noise level (at 50 - 100%)	dB(A)	45 - 49	52 - 57	63 - 70	63 - 70
With sound absorber (at 50- 100%)	dB(A)	45 - 48	50 - 54	60 - 67	60 - 66
Air flow controller		yes	yes	yes	yes
Loaded particle filter indicator	optical	yes	yes	yes	yes
SUB D9 interface		option	yes	option	yes
Air intake	Ø	ALSIDENT S50 mm; optional: further Ø; number max. 2x			
	position	optional on top or at the backside of the unit			
Air outlet		air exhaust louver, optional Ø 100 mm exhaust nozzle			
	position	lower part of the backside			
Width	mm	390			
Depth	mm	400			
Height	mm	610			
Weight	kgs	ca. 30			
Length of power cable	m	3,0			
Filter system	HFM H	Main filter module			
		filter system: storage filter			
		filter set complete			ULT 02.1.510
		consisting of:			
	(1)	Z-Line filter G4			
(2)	Filter mat M5				ULT 02.0.572
(3)	Particle filter cassette H13				ULT 02.1.511
Options:					
sound absorber	(1*)	changed depth: 550 mm			
exhaust air connection	(2*)	1 x Ø 100 mm			
without additional intake module	(3*)	topside hose connection: Ø50mm; optional further Ø			
with additional intake module	(4*)	backside hose connection: Ø50mm; optional further Ø			
mounting bracket for ALSIDENT-arm	(5*)	ULT-U-Profil S50/75; for max. 1 ALSIDENT extraction arm			





DUST AND
SMOKE



-  raw gas
-  filtration
-  clean gas

Functional principle:

At the clean-air side of the filter, a vacuum generator with a high pressure reserve produces a volume flow matched to the respective application. This volume flow can be individually and infinitely variably regulated. Thus, the polluted air will be reliably extracted.

The **particles** are reliably filtered in a multi-stage filtering system, consisting of Z-line filter, filter mat and high efficiency particulate airfilter.

The filter class H13 of the main filter makes it possible to extract suspended particles below 1 µm out of the raw gas stream. Thus separation efficiencies up to 99,95 % are reached.

Storage filter system

Filters which are replaced once they are saturated.

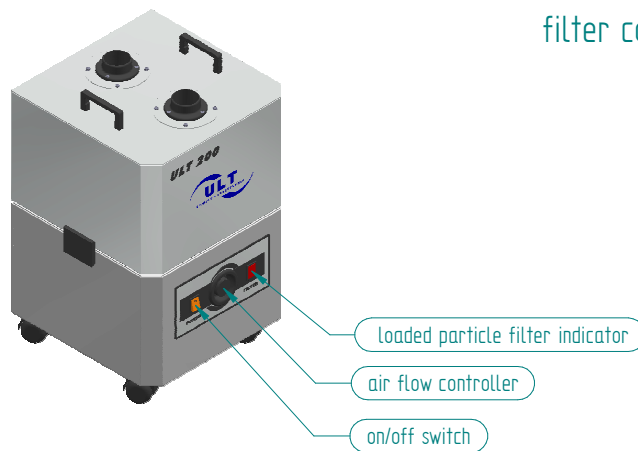
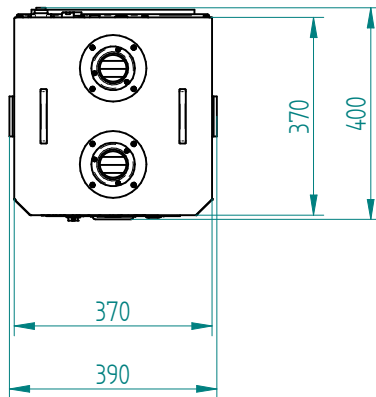
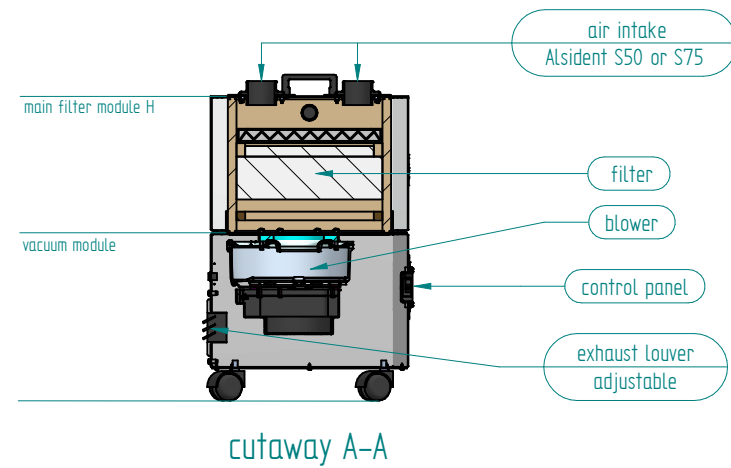
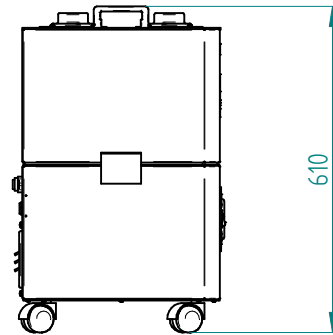
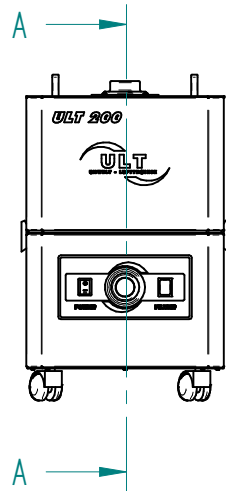
Main filter module H

- (1) **coarse dust filter** Z-Line filter G4
- (2) **fine dust filter** Filter mat M5
- (3) **particulate filter** HEPA filter H13

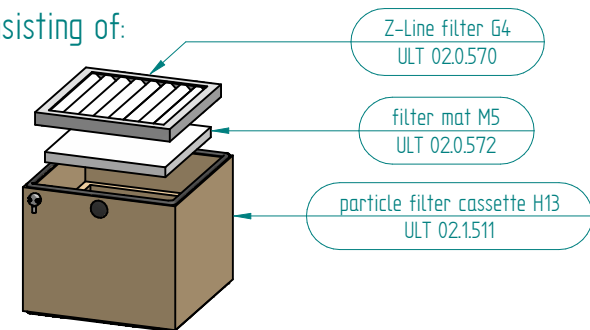
This excellent filter efficiency makes it possible to recirculate the **filtered air** and reduce energy costs.

Further additional options can be connected to the ASD 200 MD/HD H unit. These are to be selected according to the respective requirements.

For the extraction and filtration from pollutants varying from this application case, other module combinations are available.



filter consisting of:



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issue	revision	day	name	verf.			scale: 1 : 10
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