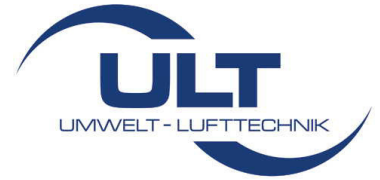


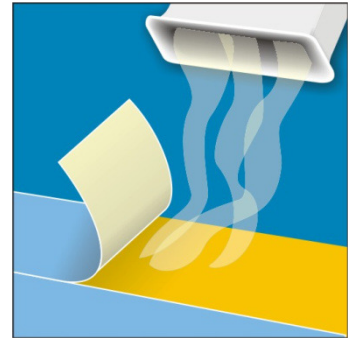
ACD 1200 MD A60

Technical documentation

Date of issue: 02/2013



ULT 1200



**Clean air,
high performance.**

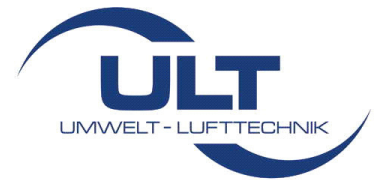
**ACD-series, mobile
air extraction and
filtration units for
gases, fumes and
odours.**



Air handling equipment for environmental and health protection

Technical documentation

Air extraction and filtration unit



ACD 1200 MD A60

Use and application



gases, fumes and odours

The **ACD 1200 MD A60** is suitable for the extraction and filtration of gases, vapours and odours in non-explosive air mixtures. Hazardous **fumes and gases** ought to be extracted by collecting elements directly at their place of origin and filtered by the ACD 1200 MD A60. The filter combination with a large amount of activated charcoal guarantees a high deposition rate of unhealthy gases and vapours. The thick layer of activated charcoal enables a long contact time with the contaminated air flow. The gases and fumes are adsorbed effectively.

Example

- ⇒ sticking, pretreat
- ⇒ varnishing, imprinting
- ⇒ cleaning, laminating
- ⇒ casting

ULT 1200 modular air extraction and filtration unit

mobile unit,
with storage filter system
robust steel housing, powder coated
RAL 7035 light grey / RAL 7001 silver-grey



Filter system:

Storage filter system

Filters which are replaced once they are saturated.

Filter technology:

Main filter module

- (1) Z-Line filter
filter class: G4 coarse dust filter according to DIN EN 779
- (2) Adsorption filter cassette A12
filter medium: activated charcoal (12 kg)
- (3) Adsorption filter cassette A16
filter medium: activated charcoal (16 kg)
- (4) Adsorption filter cassette A16
filter medium: activated charcoal (16 kg)
- (5) Adsorption filter cassette A16
filter medium: activated charcoal (16 kg)

Technical documentation

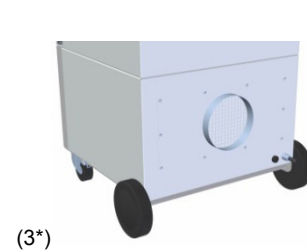
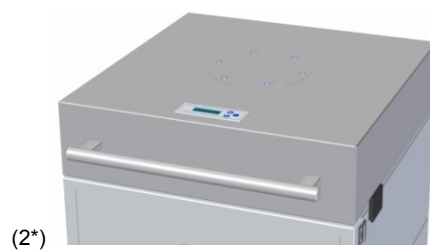
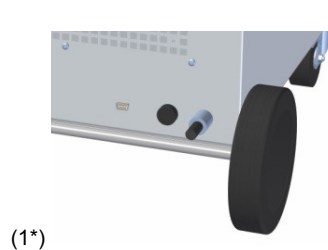
Air extraction and filtration unit



ACD 1200 MD A60

ACD 1200.0-MD.xx.yy.1004

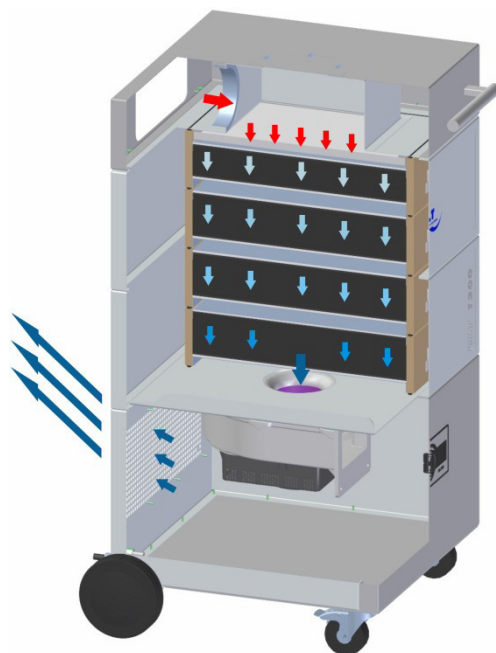
Parameter	unit	-MD.18.01.	-MD.45.15.	-MD.47.15.	-MD.81.15.
Max. air flow	m³/h	1.500	1.700	2.100	1.660
Max. vacuum	Pa	3.250	2.600	2.880	2.400
Nominal capacity	m³/h / Pa	800/ 2.100	800 / 2.200	800 / 2.700	800 / 2.100
Motor-nominal power	kW	0,86	1,50	2,20	1,50
Nominal voltage	V	1~ 230	3~ 400	3~ 400	1~ 230
Nominal current	A	4,8	3,5	4,8	8,75
Frequency	Hz	50 / 60	50	50	50
Protection class	IP	54	54	54	54
Type blower		blower	ventilator	ventilator	ventilator
Noise level (at 50 - 100%)	dB(A)	60	62	62	72
Air flow controller		yes	no	no	no
Minimum volume flow rate indicator		no	yes	yes	yes
Operating hours counter		no	yes	yes	yes
SUB D9 interface	(1*)	optional	optional	optional	optional
Digital control integrated	(2*)	optional	no	no	no
Remote digital control		optional	no	no	no
Air outlet DN 200	(3*)	optional	optional	optional	optional
Air intake options		1x Ø 150 mm take off			
	position	backside of the unit			
		1x Ø 160 mm take off			
Air outlet		air exhaust louver			
	position	lower rear side			
Width	mm	790			
Depth	mm	820			
Height	mm	1.340			
Weight	kgs	ca. 215			
Length of power cable	m	5			
Filter system		filter system: storage filter			
		filter set consisting of:			
	(1)	Z-Line filter G4			ULT 02.0.662
	(2)	Adsorption filter cassette A12			ULT 02.1.609
	(3)	Adsorption filter cassette A16			ULT 02.1.608
	(4)	Adsorption filter cassette A16			ULT 02.1.608
(5)	Adsorption filter cassette A16			ULT 02.1.606	



ACD 1200 MD A60



gases, fumes and odours



-  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 by some units. Thus, the polluted air will be reliably extracted.

The coarse **particles** are separated and held back at the first filtration level with the Z-line filter. **Gaseous air pollutants, odours and fumes** are separated (adsorbed) in the activated charcoal filter.

The filtering effect of activated charcoal is based on adsorption, i. e. an accumulation of substances (to be filtered out) on the surface of the activated charcoal. During this process there are no chemical reactions and changes of the captured substances. The construction of the filter elements underlies the air volume of the unit; the contact time is based on a medium adsorption reaction.

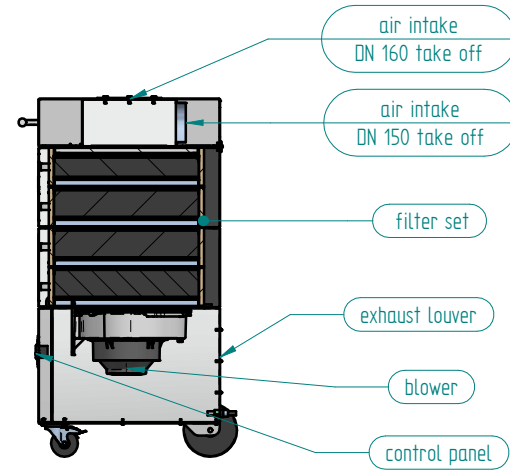
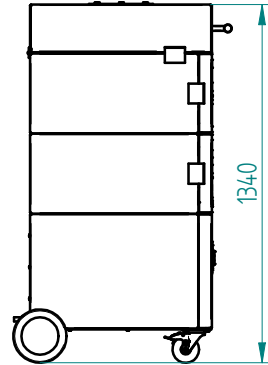
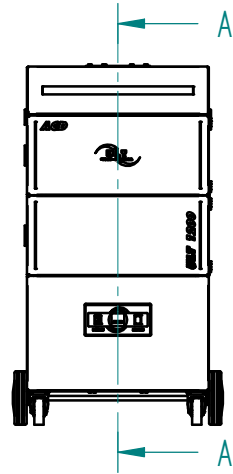
Storage filter system

Filters which are replaced once they are saturated.

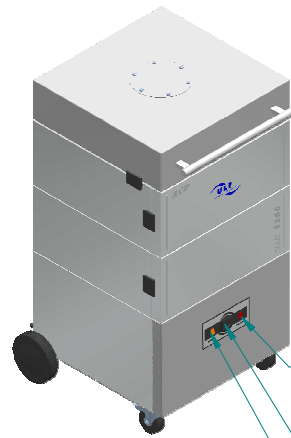
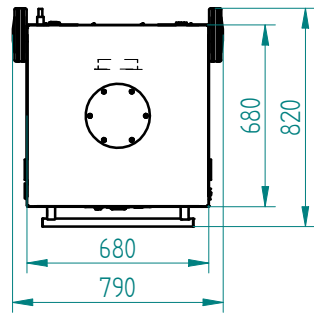
Filtration set complete:

- | | |
|-------------------------------|--|
| (1) coarse dust filter | Z-Line filter G4 |
| (2) gas filtration | Adsorption filter cassette A12
(12 kg activated charcoal) |
| (3) gas filtration | Adsorption filter cassette A16
(16 kg activated charcoal) |
| (4) gas filtration | Adsorption filter cassette A16
(16 kg activated charcoal) |
| (5) gas filtration | Adsorption filter cassette A16
(16 kg activated charcoal) |

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

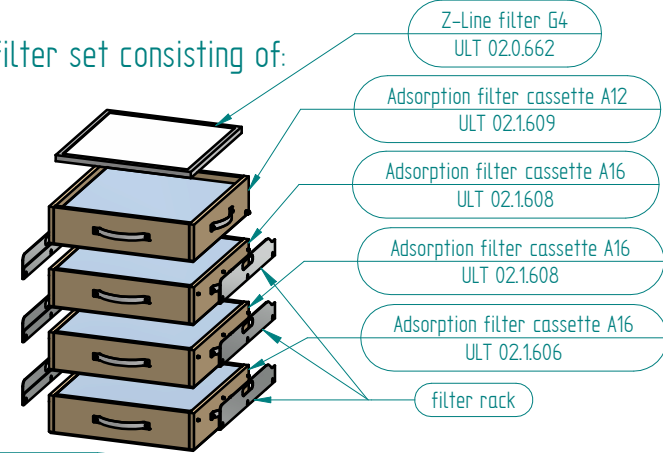


cutaway A-A



- minimum volume flow rate indicator for versions 45.15/ 47.15/ 81.15
- air flow controller for version 18.01
- operating hours counter for versions 45.15 to 81.15
- on/off switch

filter set consisting of:



- Z-Line filter G4
ULT 02.0.662
- Adsorption filter cassette A12
ULT 02.1.609
- Adsorption filter cassette A16
ULT 02.1.608
- Adsorption filter cassette A16
ULT 02.1.608
- Adsorption filter cassette A16
ULT 02.1.606
- filter rack

Weitere Maße sind dem 3D-Datensatz zu entnehmen. Für die Zeichnung behalten wir uns alle Rechte vor.
Other measure are to be taken from the 3D record. For the drawing we reserve ourselves all rights.

				ULT AG Am Gopelreich 1 D-02708 Lobau		designation ACD 1200 MD A60	
001	base	13.02.13	JSACZ	2013	date	name	drawing number: ULT 1200_00_101_001
issue	revision	day	name	edit.	verf.	Norm	scale: 1 : 20

