

Instruction manual

Safety-Cabinet



Manufacturer: deconta GmbH
Im Geer 20, 46419 Isselburg

Type-No.: 516

Serial-No.:

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1 Basic safety advice

The handling of the appliance technology is only allowed for instructed staff. The exact knowledge of the guide book is for your staff an important requirement for the handling of the machine.

The guide book has to be at hand for all the staff always.

deconta has to engage you as the user to follow the guide book and to employ this engineered technology only in accordance with the regulations and not in an inappropriate way! In case of non-observance, **deconta** assumes no liability.

In order to ensure the safety during the operation of the device, the following has to be respected without fail:

- Do not place in an explosive area
- Necessary repairs, maintenance and cleaning, in particular in the field of electrical equipment have to be realized only by qualified staff
- For all repairs the device has to be fully disconnected
- The safety and security equipments have to be treated with care, ready for use.
- The standard, legal and remaining binding rules concerning the accident prevention and the protection of the environment have to be observed
- the indicated security advices have to be kept in a readable state and have to be observed

In order to ensure safety, any changes on the machine are prohibited.

ATTENTION!

The Safety-Cabinet is not suitable for the use in a condensed, corrosive, flammable and explosive compartment air. The ambient and medium temperature may not exceed 40°C.

We specifically refer to additional regional and national safety measures and rules in regard to the operation of the equipment technology.

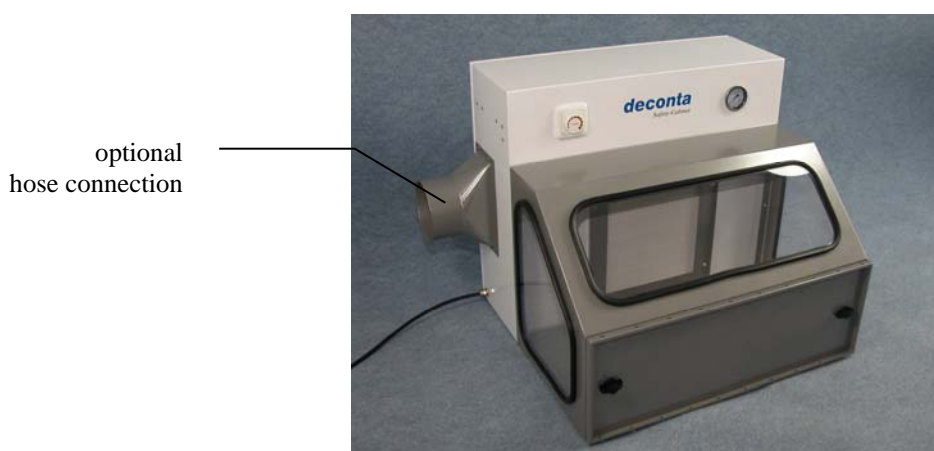
2 Technical description

The Safety-Cabinet is an exhaust unit in which asbestos samples may be worked on.

The unit is steplessly adjustable inbetween 250 und 400 m³/h.

The air is sucked through HEPA-filtration and blown out sideways or deduced through an optional hose connection. The manometer shows the proper functioning and the necessary change of filters.

Large windows and integrated lights ensure optimal illumination.



2.1 Filter description / classification

Frame	Plastic
Spacer (Separator)	Aluminium
Filter medium	Glass fibre
Sealing compound	Polyurethan (2-component-glue)
Sealing	Polyurethan, foamed
Filter class	H13 according to DIN EN 1822
Separation degree	> 99,95 % im MPPS leak tested (Most Penetrated Particle Size)
Dimensions	305 x 305 x 68 mm
Protection grid	Expanded metal mesh, painted white, 2 GW (Grip Wire) double-sided

3 Technical data

Dimensions (L x W x H)	760 x 660 x 670 mm
Work space (L x W)	750 x 400 mm
Window size (L x W)	670 x 240 mm
Weight	32 kg
Air performance with filter	continuously adjustable from 250 – 400 m ³ /h
Power supply	230 Volt
Option hose connection	ND 150 mm (Exhaust air)
HEPA filter	Double filtration, Class H13 (according to EN 1822) 305 x 305 x 68 mm

4 Initial operation

Do not operate the device, in case of visual damage or problems with the implementation. Please contact the deconta GmbH at your earliest convenience.

4.1 Set up

Always locate the machine on a solid and even surface that has adequate strength to support the weight of the machine.

4.2 Initial operation

Attention:

To prevent uncontrolled release of fibres, the cover plate must be mounted before every switching ON/OFF and while the Safety Cabinet is not in use.



- Connect to power supply
- Lighting in Safety-Cabinet is switched on automatically
- Turn On-/Off- Switch and set to the lowest level
- **Only now remove cover plate**
- The function of the device is displayed on the manometer

5 Filter control / Filter change

The filters lifespan depend on the following factors:

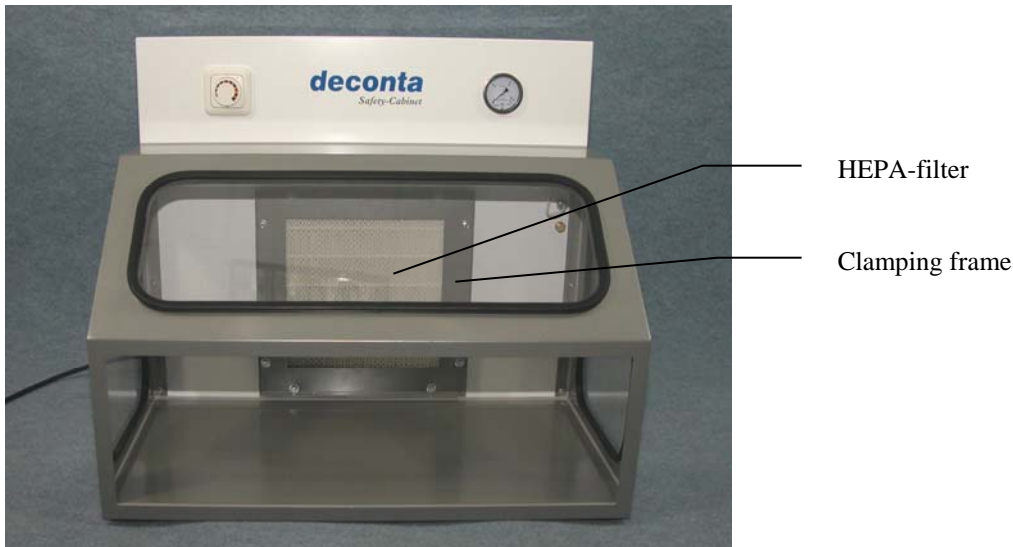
- Operating hours
- Type of dust
- Dust concentration

The air performance decreases with increasing clogging of filter (soiled filters).

Important: Only use approved and faultless filters!

Attention:

- Contaminated filter may only be changed provided all relevant safety precautions are guaranteed.
- Only use approved filters



5.1 Change of 1. HEPA-filter stage

Attention: Filter may only be changed when device is switched on!

- Remove screws from clamping frame and take off clamping frame
- Remove HEPA-filter and dispose of professionally

Insert Hepa-filter:

- Control and clean sealing surfaces of device
- Insert new main filter
- mount clamping frame

Important:

Treat HEPA-filter with care, for damages can negate effectiveness of filtration.

The HEPA-filter is factory equipped with a handle protection by deconta to prevent filter damages.

5.2 Change of 2. HEPA-filter stage

Attention: Filter change of 2. HEPA-filter stage only allowed in suitable dirty area and when switched off!

The change of the 2. HEPA-filter stage is generally only necessary when filter is extremely dirty.

- Disassemble 1. HEPA-filter stage as described under 5.1
- Remove screws from clamping frame and take off clamping frame
- Remove HEPA-filter and dispose of properly

Insert HEPA-filter:

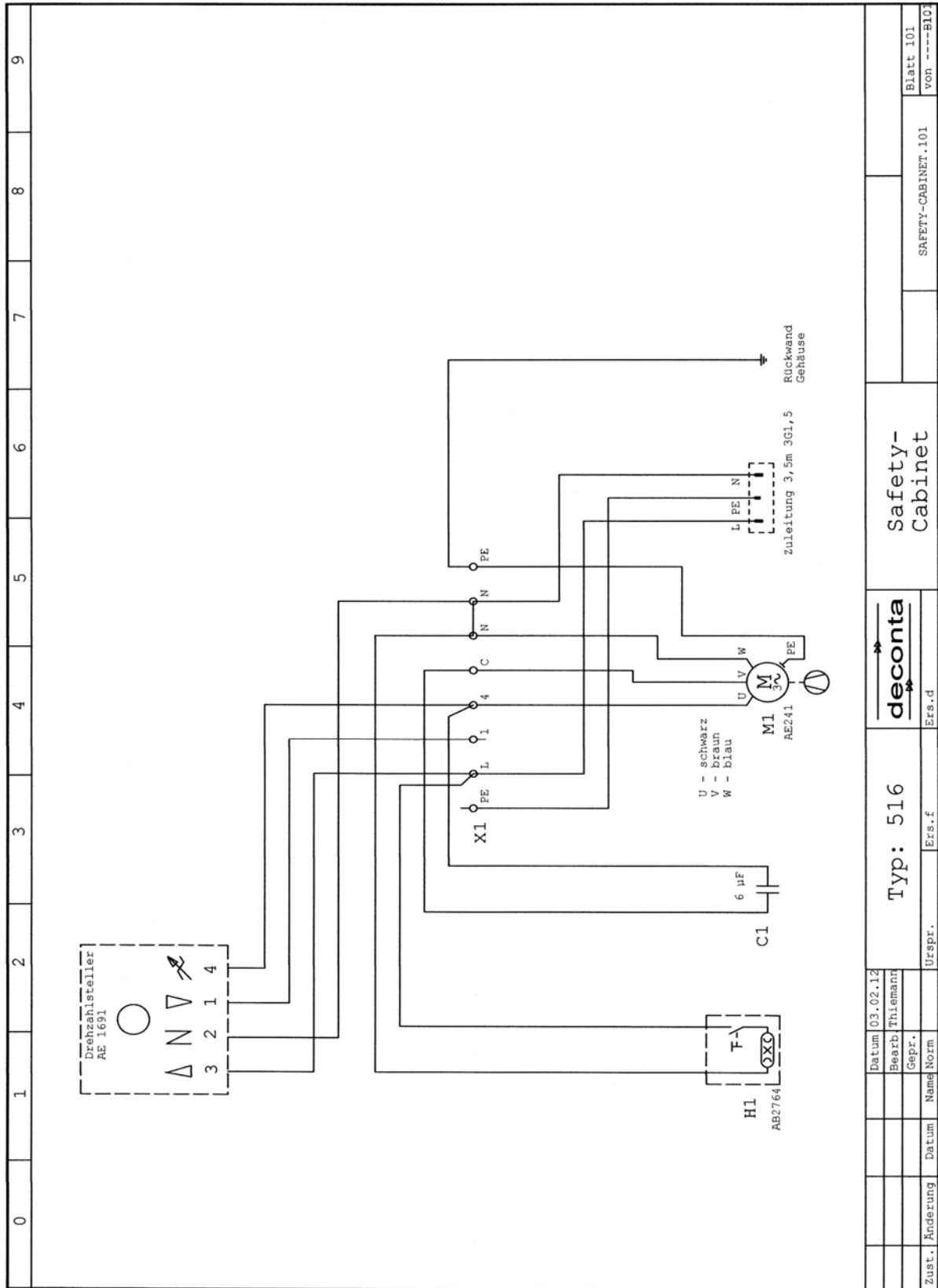
- Control and clean sealing surfaces of device
- Insert new main filter
- Mount clamping frame
- Assemble 1.HEPA-filter stage as described under 5.1

Important:

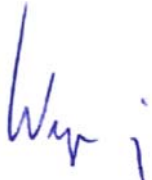
Treat HEPA-filter with care, for damages can negate effectiveness of filtration.

The HEPA-filter is factory equipped with a handle protection by deconta to prevent filter damages.

6 Circuit diagram



7 Declaration of conformity

deconta GmbH Im Geer 20 D-46419 Isselburg		EU-Declaration of conformity	
Product:	Exhaust unit Safety-Cabinet	Type:	516
The design of the unit complies with the following regulations:			EG-Machine directive 98/37/EG EG-Low voltage directive 2006/95/EG
Applied harmonised standards:			EN 292 EN 60335-1 EN 60335-2-69 EN 55014, EN 50082
Applied national standards:			DIN VDE 0701, DIN VDE 0702 DIN VDE 700 T205 DIN EN 60335-1 IEC 60335-2-69
			
W. Weßling			Isselburg, 13.02.2012

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For further information, please see our website www.deconta.com