

Negative Pressure Unit

green dec G 700



Performance Data

Air performance incl. filters	75,000 m ³ /h
Power connection	400 Volt, 50 Hz
Power consumption	35 Amps
Motor power when running on 75,000 m ³ /h	4 x 5,7 kW
Motor power when running on 60,000 m ³ /h	4 x 3,0 kW
Filter system	3-stage
Pre-filter	EU4 Dimensions: 610 x 610 x 47
Bag filter	F5 Dimensions: 592 x 592 x 600
HEPA-Filter	Dimensions: 610 x 610 x 292

Connections, Dimensions, Weight

Power connection	400 Volt, 63 Amps CEE-construction plug, 5-pin
Length x Width x Height	2990 x 2435 x 2890 mm
Total weight excl. filter	approx. 1900 kg
Total weight incl. filter	approx. 2200 kg

Filter description / classification

Integrated in the device is a 3-stage filter combination

Pre-filter

Quality class acc. to DIN 24185 / EN 779	G4 / EU4
Frame	Cardboard frame, 47 mm wide
Filter medium	Synthetic
Degree of separation (Am)	90 %
Nominal volume flow	5400m ³ /h/m ²
Nominal flow velocity at nominal volume	1,5 m/s
Initial pressure drop	42 Pa
Recommended final pressure drop	250 Pa
Temperature / humidity	100°C/100% RH (relative humidity)
Filter dimensions (in mm):	610 x 610 x47

Bagfilter

Filter class acc. to DIN EN 779	F5
Degree of separation (Am)	96 %
Nominal volume flow	3400 m ³ /h
Initial pressure drop	48 Pa
Recommended final pressure drop	250 Pa
Temperature / humidity	55°C / 100% RH (relative humidity)
Filter surface	5,1 m ²
Filter dimensions	592 x 592 x 600 mm

HEPA filter

Frame	Plastic
Filter medium	Micro fiberglass paper
Casting compound	Polyurethane
Seal	Polyurethane
Filter class	H 14 acc. to EN 1822
Temperature / humidity	70°C/100% RH (relative humidity)
Filter dimensions (in mm)	610 x 610 x 292
Grip protection	Double-sided

Device description

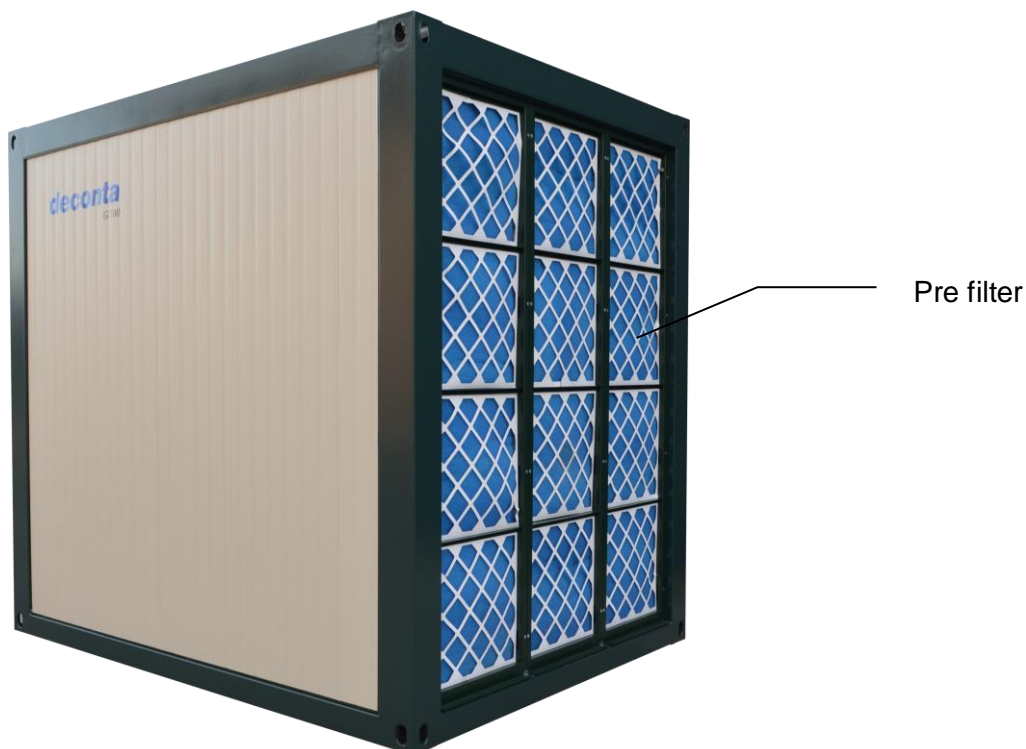
Negative pressure unit as a container system for filtering asbestos contaminated room air via a 3-stage filter unit.

- effective airperformance 70.000 m³/h
- three filter stages containing of HEPA filter, bag filter and pre filter
- energy saving and performance-optimised fan with high capacity
- HEPA filter acc.EN 1822 class H14
- Automatic or manual negative pressure / volume flow control
- Automatic smooth start, even after power failure
- all operating and functional elements shock-protected
- automatic and electrical opening / closing of exhaust air flaps

Easy Filter change

Filter change of pre filter

- Remove filters carefully and dispose them
- Insert the new filters

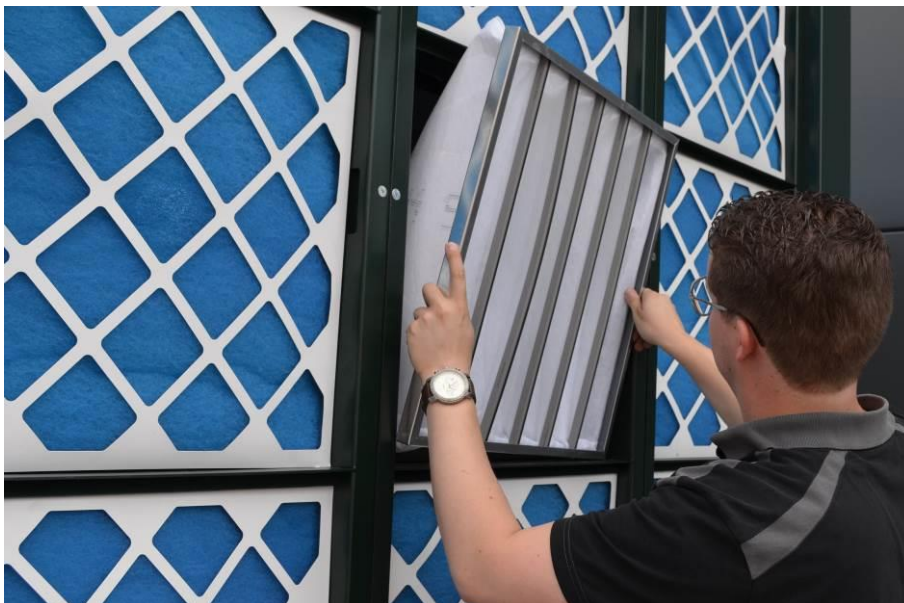


Filter change of bag filters

- Remove pre filter
- Release the latch from the bag filters
- Remove bag filters
- Insert new bag filters, the bags should be in vertical position
- Close the latches again
- Insert pre filter



Latch



Filter change of HEPA filters:

- Remove the 3 filter cartridges for the pre- and bag filters by loosening and removing the screws
- Remove the clamping bars of the HEPA filters
- Remove and dispose the HEPA filter
- Check and clean the sealing surface of the device
- Insert new filters
- Reattach clamping bars
- Assemble filter cartridges off the pre and bag filters

