



## ECO Negative pressure units

made by Deconta

*Exclusively available from Dehaco*



English





LIGHT IN WEIGHT



ROBUST



UP TO 75%  
MORE ENERGY-  
EFFICIENT



INFINITELY  
VARIABLE



INNOVATIVE



AUDIBLE ALARM



## ECO - Dehaco made by Deconta

Dehaco in the Netherlands and Deconta in Germany have set up a collaboration for developing, producing and marketing the latest ECO negative pressure units. Two reputable companies, which both think in terms of the customer's requirements, innovation, on-time delivery and quality. The collaboration brings together the long-standing experience and extensive expertise possessed by both companies in the area of constructing machines for the asbestos remediation sector. This approach allows us to offer our customers more than just our own expertise. We proudly present the result in this brochure.

### About Deconta

That Dehaco has set up a close partnership with a German company called Deconta obviously sounds promising. But you are probably asking yourself ... What does Deconta do?

Deconta is a German company (based just over the border in the small town of Isselburg), which was established in 1990 and specialises in developing and producing machines for asbestos removal.

They market their machines themselves to a large extent. However, Dehaco is their exclusive partner for the Dutch market. Dehaco is also the place to come for annual inspections and/or maintenance and repairs.

### Dehaco ECO negative pressure units: the new standard in asbestos removal

When two experienced and expert companies join forces in developing a new product, you can expect something exceptional. And the result is outstanding. A product which we feel is both revolutionary and sets the new standard in this sector. However, both companies had to overcome several challenges to achieve this outcome. Because, although energy efficiency, reliability, safety and new and innovative features all sound extremely attractive, the product obviously had to remain affordable!

The final result is a machine which satisfies all these conditions and sets the new standard in asbestos removal using negative pressure technology. We are proud to present the ECO negative pressure units.

# Why choose an ECO negative pressure unit from Dehaco?

The new ECO negative pressure units are light in weight and extremely energy-efficient machines. They are characterised by high performance, a robust housing, high durability and a relatively low mass. In comparison to previous models from Deconta, these ECO machines offer a much higher capacity even though the housing is more compact. A fan that has been specially developed for negative pressure machines allows us to achieve the extra capacity.

As standard, the negative pressure units are supplied with manual controls consisting of an on/off switch, a Pa pressure gauge and a speed controller. The PC+ function - which allows machine control via a touchscreen - is optionally available.

## Standard ECO range features:

- Up to 75% more energy efficient than the previous range.
- Low noise emissions.
- The housing is made from strong and durable materials and easy to clean.
- Efficient, high-capacity fan, which has been specially developed for use in negative pressure machines.
- All elements are designed to be impact-resistant.
- Automatic soft start, even after a power failure.
- Stackable, meaning that they take up less space.
- Easily replaceable filters.
- Replace filter instruction displayed on the pressure gauge.
- Infinitely variable from 0 – 100%.





## Technical specifications



### ECO 1000 Negative pressure unit

	230 V	110 V
Dimensions (lxwxh)	525x390x390 mm	
Weight (including HEPA filter)	18.8 kg	
Capacity (including HEPA/EU4 filter)	1000 m³/h	1000 m³/h
Electrical supply	230 V	110-120 V
Current	1.2 A	1.2 A
Infinitely variable	Yes	
Air outlet side	Rear face	
HEPA filter H13	284x284x150 mm	
Filter system	2-stage	
EU4 pre-filter dimensions	305x305x47 mm	
EU3 coarse pre-filter dimensions	not available	
Product code, standard model	5410.0042	5410.0050
Product code, PC+ model	not available	not available

Filters	Product code
Pre-filter EU4 305x305x47 mm	5430.0008
Pre-filter, coarse, EU3	not available
HEPA filter H13 284x284x150 mm	5425.0178



### ECO 1650 Negative pressure unit

	230 V	110 V
Dimensions (lxwxh)	770x410x410 mm	
Weight (including HEPA filter)	27.5 kg	
Capacity (including HEPA/EU3/EU4 filter)	1650 m³/h	1350 m³/h
Electrical supply	230 V	110-120 V
Current	2.5 A	4.0 A
Infinitely variable	Yes	
Air outlet side	Rear face	
HEPA filter H13	305x305x292 mm	
Filter system	3-stage	
EU4 pre-filter dimensions	305x305x47 mm	
EU3 coarse pre-filter dimensions	305x305x47 mm	
Product code, standard model	5410.0044	5410.0051
Product code, PC+ model	5410.0046	5410.0052

Filters	Product code
Pre-filter EU4 305x305x47 mm	5430.0008
Pre-filter, coarse, EU3 305x305x47 mm	5425.0180
HEPA filter H13 305x305x292 mm	5425.0179

## ECO 3050

### Negative pressure unit

	230 V	110 V
Dimensions (lxwxh)	970x410x840 mm	
Weight (including HEPA filter)	55 kg	
Capacity (including HEPA/EU3/EU4 filter)	3000 m³/h	2500 m³/h
Electrical supply	230 V	110-120 V
Current	4.0 A	7.0 A
Infinitely variable	Yes	
Air outlet side	Rear face	
HEPA filter H13	305x610x292 mm	
Filter system	3-stage	
EU4 pre-filter dimensions	305x610x47 mm	
EU3 coarse pre-filter dimensions	305x610x47 mm	
Product code, standard model	5410.0047	5410.0053
Product code, PC+ model	5410.0049	5410.0054

Filters	Product code
Pre-filter EU4 305x610x47 mm	5430.0002
Pre-filter, coarse, EU3 305x610x47 mm	5430.0074
HEPA filter H13 610x305x292 mm	5430.0021



## ECO 5150

### Negative pressure unit

	230 V	110 V
Dimensions (lxwxh)	1150x720x840 mm	
Weight (including HEPA filter)	79 kg	
Capacity (including HEPA/EU3/EU4 filter)	5150 m³/h	4000 m³/h
Electrical supply	230 V	110-120 V
Current	8.0 A	15.0 A
Infinitely variable	Yes	
Air outlet side	Rear face	
HEPA filter H13	610x610x292 mm	
Filter system	3-stage	
EU4 pre-filter dimensions	610x610x47 mm	
EU3 coarse pre-filter dimensions	610x610x47 mm	
Product code, standard model	5410.0043	5410.0055
Product code, PC+ model	5410.0045	5410.0056

Filters	Product code
Pre-filter EU4 610x610x47 mm	5430.0042
Pre-filter, coarse, EU3 610x610x47 mm	5430.0041
HEPA filter H13 610x610x292 mm	5430.0044



# CHOOSE PC+ FOR OPTIMAL RELIABILITY, DEPENDABILITY AND THE HIGHEST SAFETY LEVEL.

The **PC+** model not only includes a touchscreen which allows you to set all the options for the negative pressure machine, it also offers **extra reliability, dependability and safety**. Let us tell you why.

*Available for the following variants:*

**ECO 1650, ECO 3050 & ECO 5150**



## COLOUR TOUCHSCREEN

The PC+ model is equipped with a colour touchscreen. All the readings and settings are displayed clearly on the screen.

## OPERATION IN 7 LANGUAGES

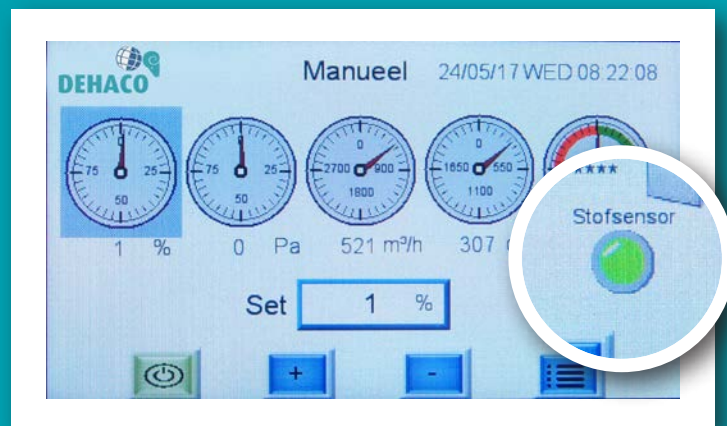
The operating software can be set to one of seven standard languages.



## INTEGRATED DUST SENSOR

### *Optimal airflow for the highest safety level!*

In PC+, 'PC' stands for 'Particle Counter'. PC+ continuously monitors the HEPA filter to ensure satisfactory performance. If the HEPA filter's performance unexpectedly decreases, the machine displays an alarm message and stops immediately to prevent contaminants in the air escaping from the containment area. This is preceded by an acoustic and optical signal followed by a message on the display indicating that the filter needs to be replaced.



## STANDBY FUNCTION

### *PC + as a back-up machine*

If a negative pressure machine unexpectedly breaks down, resulting in an excessively low pressure in the containment area, the PC+ model will automatically switch on after the preset time.

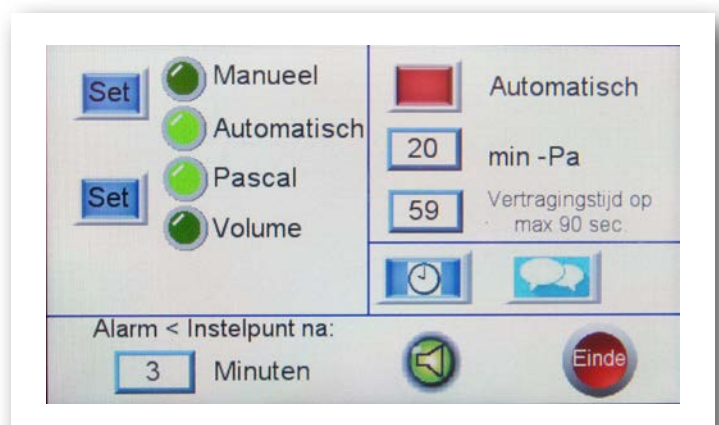
Is nobody present at the work site? The standby function guarantees reliability, dependability and safety outside normal working hours.

## AUTOMATIC MODE

The PC+ model can be used both manually and in the automatic mode. In the automatic mode, the machine must be set to one of two options:

- The required number of cubic metres per hour (m³/h).
- The required pressure (in Pa) in the containment area.

When one of the above options has been activated, the machine will automatically adapt to the set value and continuously monitor compliance.





# Dehaco Products



Please contact your dealer for more information:



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