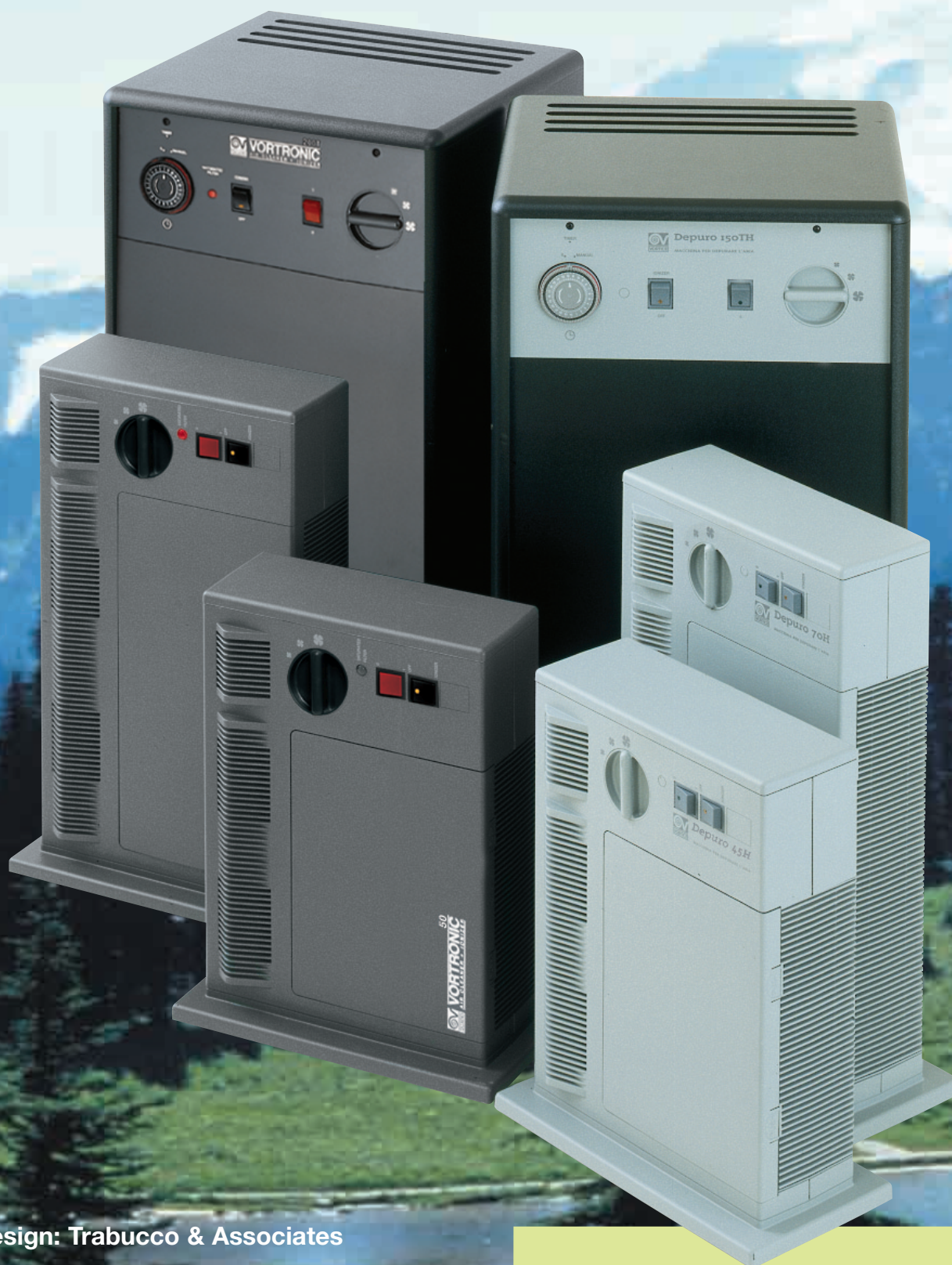


# DEPURO<sup>®</sup> AND VORTRONIC<sup>®</sup>

AIR PURIFIERS



VENTILATION  
AIR CONDITIONING  
AIR CLEANING  
HEATING



Design: Trabucco & Associates

# WE CAN LIVE FOR WEEKS WITHOUT FOOD, DAYS WITHOUT WATER, BUT ONLY A FEW MINUTES WITHOUT AIR

We all breathe about 15 times every minute. That means 900 times in one hour, and 22,000 times a day. On average about 10,000 litres of air pass through our lungs every day. Unfortunately most of this is badly polluted, and this represents a serious risk for our health.

*Though the human body is an extremely complex machine, it needs only a few essential things to survive: air, water, and food. Without food, our organism can last for quite some time before it dies of hunger. Things get worse if we are deprived of water: we could only live a few days, depending on the percentage of relative humidity in the atmosphere.*

*Without oxygen, however, all vital functions stop in just a few minutes.*

*It should therefore be clear that air is by far the most important of all the elements that support life.*

*Ironically, man has always been far more careful about the food he eats and the water he drinks than about the air he breathes. Until a few decades ago, this attitude was understandable enough. Today, however, with the environment gradually deteriorating and the quality of the air getting constantly worse, we really must learn to protect the quality of the air we breathe to preserve our own wellbeing and health. This means eliminating chemical, physical and biological pollutants, dust and dirt from the air to restore the sort of purity that we could once take for granted but that has been destroyed by decades of senseless pollution.*

**Prof. Umberto Solimene**

*Director of the University of Milan Research Centre for Medical Bioclimatology, Biotechnology and Natural Medicine.*



# VORTICE: A 35 YEARS EXPERIENCE IN AIR CLEANING

In 1970 Vortice research centre had already studied and developed a complex air cleaning system equipped with mechanical, electrostatic and Carbococco® filters plus a germ killing lamp.

These products, designed for professional use, applied the most up-to-date principles of air cleaning for that time and can truly be considered among the first air cleaning units worldwide.

## AIR PURIFIERS

Safety features certified by IMQ, silent operation certified by TÜV, negligible power consumption.



### DEPURO® RANGE

**DISPOSABLE  
HEPA  
FILTER**

**HIGH EFFICIENCY  
H 10 HEPA FILTER TO BE REPLACED  
WHEN SATURATED**



### VORTRONIC® RANGE

**WASHABLE  
ELECTROSTATIC  
FILTER**

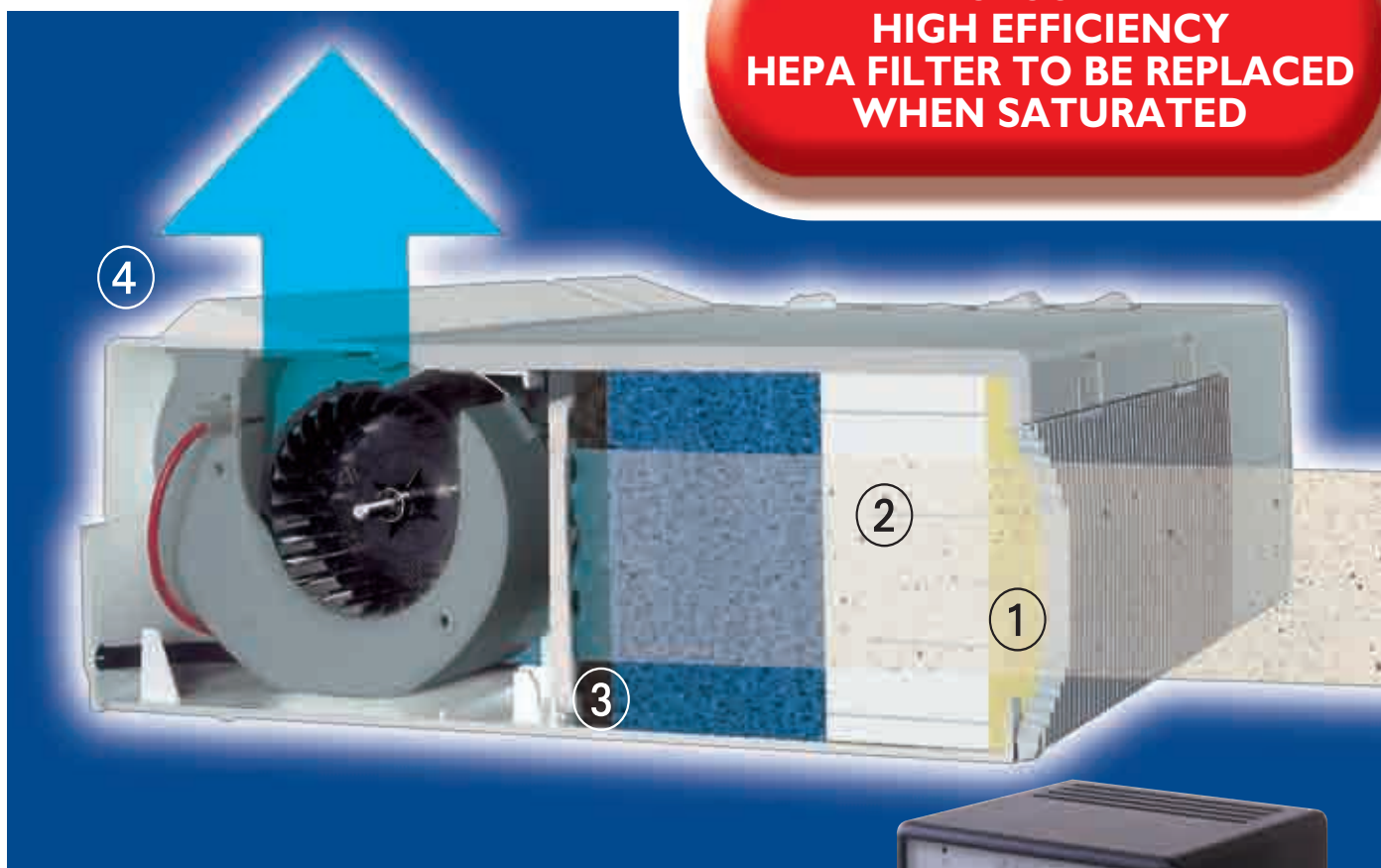
**ELECTRONICALLY  
CONTROLLED PERMANENT FILTER  
FOR CONTINUOUS USE**

# DEPURO® RANGE

## AIR PURIFIERS

Filters out and eliminates pollen and fine dust of PM 10 to PM 2.5, tobacco smoke, smog, germs, bacteria spores, fungus spores, acarids and odours.

**DISPOSABLE  
HIGH EFFICIENCY  
HEPA FILTER TO BE REPLACED  
WHEN SATURATED**



### THE FILTER SYSTEM

- ① Washable, open cell **polyurethane pre-filter**.
- ② **HEPA filter** (requires replacing when saturated). This special H10 class filter system captures airborne particles as small as 0.1 microns in diameter. Particularly effective against pollen and fine dust of PM 10 to PM 2.5, tobacco smoke, smog, germs, bacteria spores, fungus spores, acarids and odours.
- ③ **Active carbon filter** (incorporated in the HEPA filter).
- ④ **Ionizing electrodes** generate negative ions to improve the biological quality of the air.



# SAFE AND SILENT RUNNING

Models 45 H and 70 H have self-protected motors.

The motor in model 150 TH is protected by a thermal cut-out.

All models are manufactured to CEI standards and carry the IMQ safety approval mark.

All models also conform to European electromagnetic compatibility directive 89/336 CEE.

The Depuro 150 TH also features a safety lock with key for access to the filter compartment.

At low speed, these units are so silent that they are ideal for use in the bedroom at night.



## FOR ENVIRONMENTS UP TO 45 AND 70 m<sup>3</sup>

### Technical specifications

- Washable expanded polyurethane pre-filter.
- H10 HEPA filter.
- Active carbon filter (for odour elimination).
- Illuminated controls.
- 3 air flow speed settings.
- Ionizer with electronically controlled negative ion generation for revitalising air quality.
- Negligible power consumption (max. 30 W, like a small light bulb).
- 2 years warranty.
- IMQ safety certification.
- TÜV noise certification.

## FOR ENVIRONMENTS UP TO 150 m<sup>3</sup>

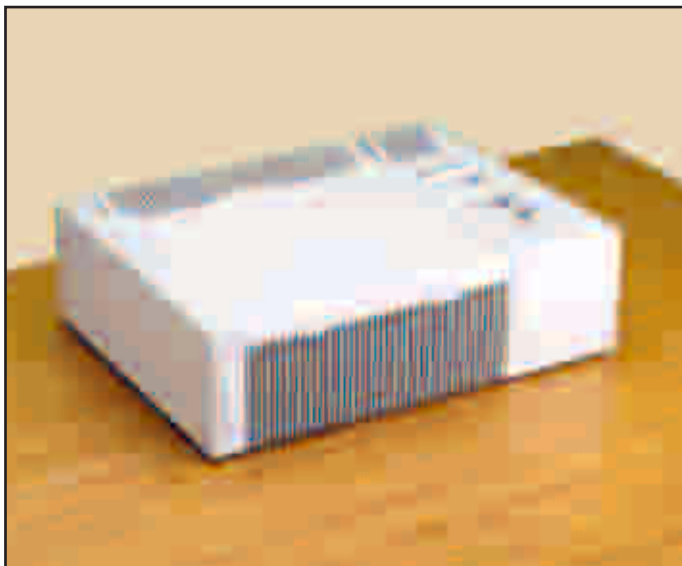
### Technical specifications

- Washable, seven layer aluminium pre-filter.
- High efficiency H10 HEPA filter (needs replacing every 24 months approx.).
- Active carbon filter (for odour elimination).
- Granular activated carbon filter for increased efficiency in eliminating odours.
- Illuminated controls.
- 3 air flow speed settings.
- Daily programmer.
- Ionizer with electronically controlled negative ion generation for revitalising air quality.
- Castor wheels for ease of movement.
- Power consumption 55 W.
- 2 years warranty.
- IMQ safety certification.
- TÜV noise certification.

# POLLUTANT REDUCTION VALUES AND TIMES

Tests performed under the supervision and control of the University of Milan Research Centre for Medical Bioclimatology, Biotechnology and Natural Medicine.

Pollutants	Depuro® 45 H for environments of 45 m <sup>3</sup>					Depuro® 70 H for environments of 70 m <sup>3</sup>					Depuro® 150 TH for environments of 150 m <sup>3</sup>				
	after 5 minutes	after 10 minutes	after 20 minutes	after 60 minutes	after 120 minutes	after 5 minutes	after 10 minutes	after 20 minutes	after 60 minutes	after 120 minutes	after 5 minutes	after 10 minutes	after 20 minutes	after 60 minutes	after 120 minutes
Tobacco smoke	-	-	-41%	-79%	-96%	-	-	-40%	-79%	-95%	-	-	-48%	-86%	-98%
Fine dust	-	-	-40%	-79%	-94%	-	-	-45%	-83%	-96%	-	-	-73%	-97%	-99%
Pollen	-	-	-26%	-52%	-60%	-	-	-32%	-57%	-69%	-	-	-59%	-80%	-78%
Bacteria spores	-41%	-66%	-88%	-100%	-	-90%	-100%	-	-	-	-95%	-100%	-	-	-
Fungus spores	-51%	-87%	-90%	-100%	-	-93%	-100%	-	-	-	-92%	-96%	-100%	-	-



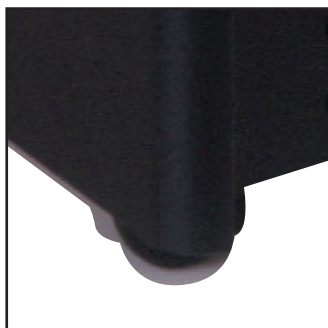
#### Daily programmer

The Depuro® 150 TH is equipped with a daily programmer for automatic setting of on/off times.



#### Castor wheels

The Depuro® 150 TH features castor wheels for quick and easy movement.



#### H10 HEPA filter

This special filter system captures all solid airborne particles.



#### Polyurethane pre-filter

This washable pre-filter eliminates all large dirt particles from the air.



# ACCESSORIES AND SPARE PARTS



① **Depuro® 45 H**  
HEPA filter with active carbon fibre filter + polyurethane pre-filter.  
Pack of 2 filters. Code 22006.

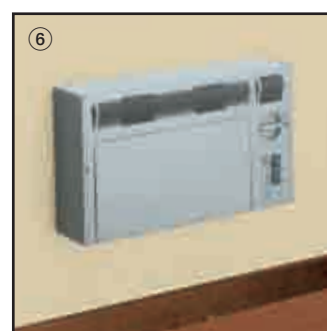
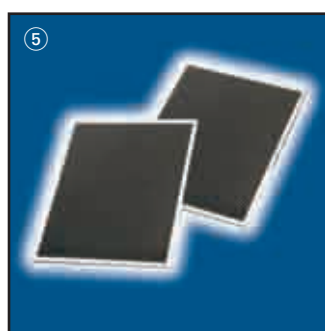
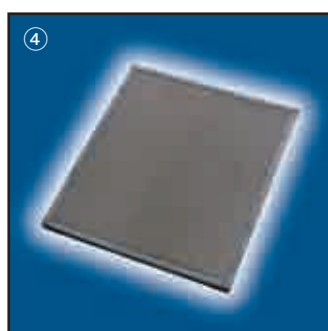
② **Depuro® 70 H**  
HEPA filter with active carbon fibre filter + polyurethane pre-filter.  
Pack of 2 filters. Code 22007.

③ **Depuro® 150 TH**  
HEPA filter. Pack of 1 filter.  
Code 22017.

④ **Depuro® 150 TH**  
Granular activated carbon filter.  
Pack of 4 filters.  
Code 22083.

⑤ **Depuro® 150 TH**  
Activated carbon fibre filter.  
Pack of 3 filters.  
Code 22086.

⑥ **Depuro® 45/70 H**  
Optional wall mounting kit.  
Code 22014.



## TECHNICAL SPECIFICATIONS

Product	Depuro® 45 H	Depuro® 70 H	Depuro® 150 TH
Code	25045/25055*	25046/25056*	25047/25057*
Voltage, 50Hz (V)	230	230	230
Consumption (W)	30	30	55
Lps dB (A) 3 <sup>m</sup>	1 <sup>st</sup> speed: 27.5 2 <sup>nd</sup> speed: 35.7 3 <sup>rd</sup> speed: 39.1	28.9 36.4 39.6	29.7 38.4 39.6
Daily programmer	-	-	•
Pre-filter	•	•	•
H10 HEPA filter	•	•	•
Active carbon filter	•	•	•
Granular activated carbon filter	-	-	•
2 electrode negative ion emission density	-	-	70,000 cm <sup>3</sup> at 1 m
3 speeds	•	•	•
Castor wheels	-	-	•
Approvals			
Weight (Kg)	3.9	4.5	26.2
Insulation	cl II	cl II	cl II
Dimensions (mm)			

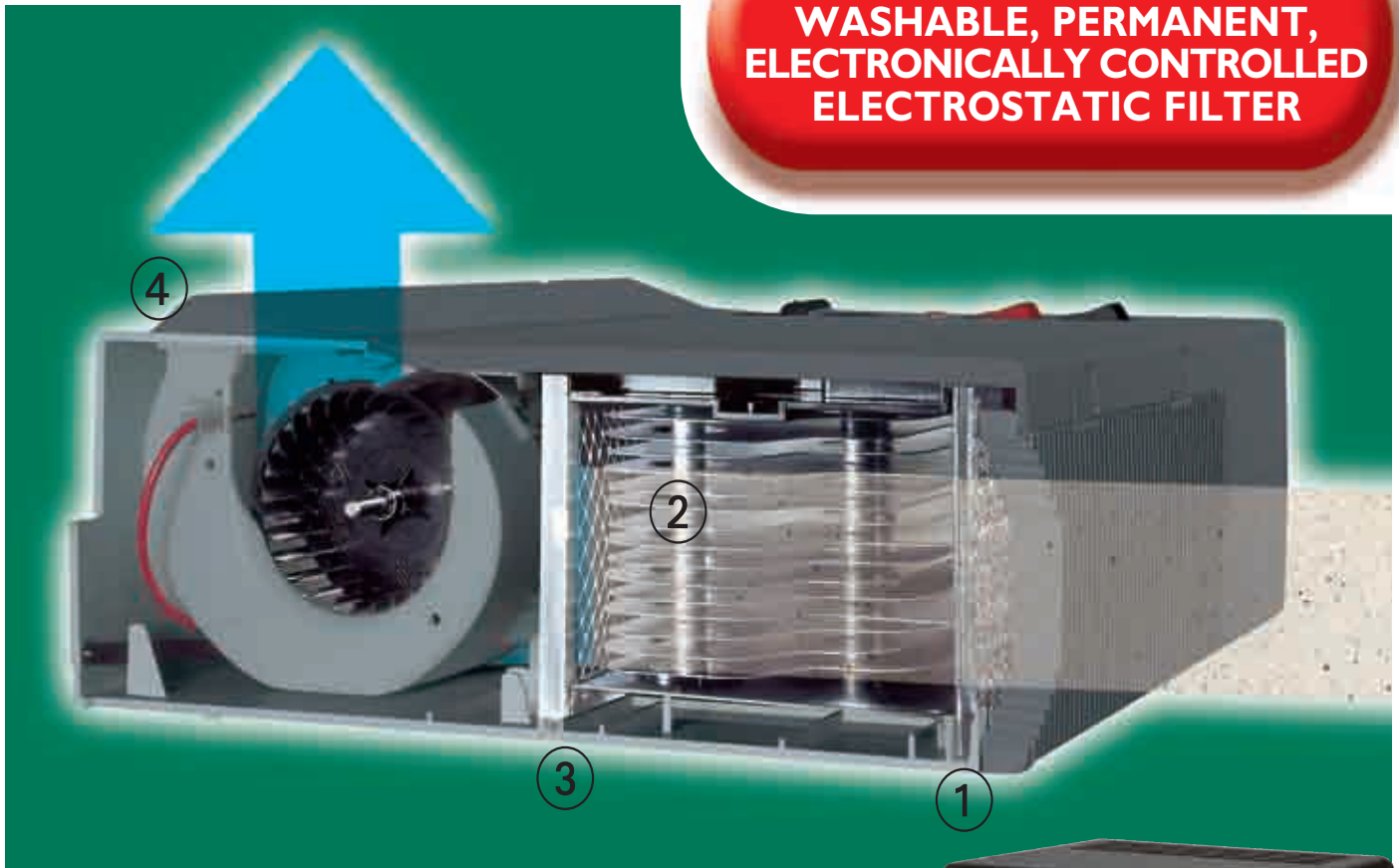
\* UK codes

# VORTRONIC® RANGE

AIR PURIFIERS + IONIZERS

Filters out and eliminates tobacco smoke, smog, germs, bacteria spores, fungus spores, acarids, pollen, fine dust of PM 10 to PM 2.5 and odours.

CONTINUOUS USE  
WASHABLE, PERMANENT,  
ELECTRONICALLY CONTROLLED  
ELECTROSTATIC FILTER



## THE FILTER SYSTEM

- ① Washable 7 layer **aluminium pre-filter** traps larger airborne particles (dust, dirt, hairs, etc.).
- ② Washable, electronically controlled **electrostatic filter** captures all microscopic particles including tobacco smoke, smog, germs, acarids, pollen, fine dust of PM 10 to PM 2.5 and odours.
- ③ **Active carbon fibre filter** (replaceable when saturated) captures dirt and eliminates most odours.
- ④ **Ionizing electrodes** generate negative ions to improve the biological quality of the air.





# SAFE AND SILENT RUNNING

Models 50 and 100 have self-protected motors. The motor in model 200 T is protected by a thermal cut-out.

All models are manufactured to CEI standards and carry the IMQ safety approval mark.

All models also conform to European electromagnetic compatibility directive 89/336 CEE.

The Vortronic® 200 T also features a safety lock with key for access to the filter compartment.

At low speed, these units are so silent that they are ideal for use in the bedroom at night.



## FOR ENVIRONMENTS UP TO 50 AND 100 m<sup>3</sup>

### Technical specifications

- Washable seven layer aluminium pre-filter.
- High efficiency, washable, electronically controlled electrostatic filter made from aluminium.
- Active carbon filter (for odour elimination).
- Illuminated controls with filter blockage indicator.
- 3 air flow speed settings.
- Ionizer with electronically controlled negative ion generation for revitalising air quality.
- Negligible power consumption (max. 36 W, like a small light bulb).
- 2 years warranty.
- IMQ safety certification.
- TÜV noise certification.

## FOR ENVIRONMENTS UP TO 200 m<sup>3</sup>

### Technical specifications

- Washable seven layer aluminium pre-filter.
- High efficiency, washable, electronically controlled electrostatic filter made from aluminium.
- Active carbon filter (for odour elimination).
- Granular activated carbon filter for increased efficiency in eliminating odours.
- Illuminated controls with filter blockage indicator.
- 3 air flow speed settings.
- Daily programmer.
- Ionizer with electronically controlled negative ion generation for revitalising air quality.
- Castor wheels for ease of movement.
- Negligible power consumption (max. 72 W, like a light bulb).
- 2 years warranty.
- IMQ safety certification.
- TÜV noise certification.

# POLLUTANT REDUCTION VALUES AND TIMES

Tests performed under the supervision and control of the University of Milan Research Centre for Medical Bioclimatology, Biotechnology and Natural Medicine.

Pollutants	Vortronic® 50 for environments of 50 m <sup>3</sup>					Vortronic® 100 for environments of 100 m <sup>3</sup>					Vortronic® 200 T for environments of 200 m <sup>3</sup>				
	after 5 minutes	after 10 minutes	after 20 minutes	after 60 minutes	after 120 minutes	after 5 minutes	after 10 minutes	after 20 minutes	after 60 minutes	after 120 minutes	after 5 minutes	after 10 minutes	after 20 minutes	after 60 minutes	after 120 minutes
Tobacco smoke	-	-	-31%	-67%	-89%	-	-	-41%	-80%	-96%	-	-	-49%	-97%	-99%
Fine dust	-	-	-32%	-71%	-88%	-	-	-55%	-88%	-97%	-	-	-71%	-97%	-100%
Pollen	-	-	-25%	-52%	-65%	-	-	-35%	-60%	-70%	-	-	-49%	-76%	-79%
Bacteria spores	-24%	-67%	-89%	-100%	-	-33%	-74%	-93%	-100%	-	-49%	-79%	-95%	-100%	-
Fungus spores	-37%	-78%	-98%	-100%	-	-47%	-83%	-99%	-100%	-	-90%	-95%	-100%	-	-



#### Daily programmer

The Vortronic® 200 T is equipped with a daily programmer for automatic setting of on/off times.



#### Castor wheels

The Vortronic® 200 T features castor wheels for quick and easy movement.

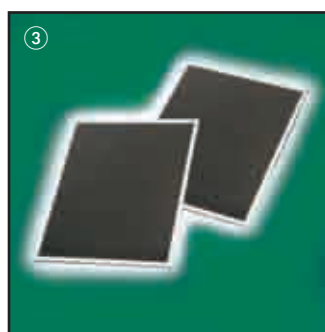
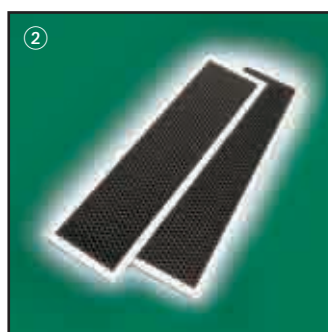
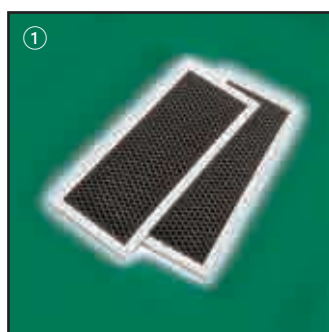


#### Washable filters

The metal pre-filter and electrostatic filter on Vortronic models 50, 100 and 200 T are quick and easy to remove and are fully washable, even in a dishwasher.



# ACCESSORIES AND SPARE PARTS

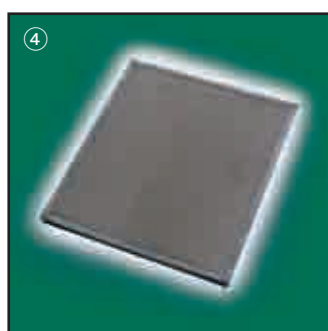


① **Vortronic® 50**  
Active carbon fibre filter.  
Pack of 6 filters. Code 22009.

② **Vortronic® 100**  
Active carbon fibre filter.  
Pack of 6 filters. Code 22013.

③ **Vortronic® 200 T**  
Active carbon fibre filter.  
Pack of 3 filters. Code 22086.

④ **Vortronic® 200 T**  
Granular activated carbon filter.  
Pack of 4 filters.  
Code 22083.



⑤ **Vortronic® 50/100**  
Optional wall mounting kit.  
Code 22014.

## TECHNICAL SPECIFICATIONS

Product	Vortronic® 50	Vortronic® 100	Vortronic® 200 T
Code	25083/25086*	25084/25087*	25085/25088*
Voltage, 50Hz (V)	230	230	230
Consumption (W)	36	36	72
Lps dB (A) 3 <sup>m</sup>	1 <sup>st</sup> speed 2 <sup>nd</sup> speed 3 <sup>rd</sup> speed	27.5 35.8 39.7	27.7 35.6 40.1
Daily programmer	-	-	•
Metallic pre-filter	•	•	•
Electrostatic filter	•	•	•
Active carbon filter	•	•	•
Granular activated carbon filter	-	-	•
2 electrode negative ion emission density	-	-	70,000 cm <sup>3</sup> at 1 m
3 speeds	•	•	•
Red light indicates electrostatic filter saturation	•	•	•
Castor wheels	-	-	•
Approvals	Ⓜ	Ⓜ	Ⓜ
Weight (Kg)	4.8	5.6	30
Insulation	Ⓜ cl I	Ⓜ cl I	Ⓜ cl I
Dimensions (mm)			

\* UK codes

# VORTICE

## PRODUCTS FOR INDOOR WELLBEING



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