
VITAPOINT®

INTRODUCTION

Every human breathes in roughly 20 to 30 kg of air a day. Particularly in ball rooms, air quality is measurably reduced through pollution by dust particles, electrosmog viruses, bacteria and germs. Those who suffer most are primarily people with respiratory diseases such as asthma, allergies or cardiovascular diseases.

To restore air quality in heavily frequented rooms such as reception halls, waiting areas or public places, ABSAUGWERK® has developed the VITAPOINT® air purifier under the brand name XTRACTION®.

AREAS OF USE

- *Office and meeting rooms*
- *Fitness studios, gymnasiums and sports halls*
- *Practice and waiting rooms*
- *Classrooms and daycare centers*
- *Retail and supermarkets*
- *Hotel and Gastronomy*
- *Food companies*
- *and much more*

CONTENT

HUMANS ENVIRONMENT ECONOMY

Sick days and absenteeism not only place a burden on colleagues, employers and insurance companies, but also have a significant impact on the economy and put a strain on the healthcare system. In addition, the quality of life can be considerably reduced by the intake of medication and a higher health risk from chronic diseases.

AIR POLLUTION

External influences such as fine dust, radiation or stress weaken the immune system and make people more susceptible to allergies and diseases. Due to the increasing air pollution, especially respiratory diseases have increased significantly.

CONSEQUENCES

- *Cost burden on the health care system*
- *Employer costs in case of illness*
- *Economic effects*
- *Loss of salary*
- *Environmental pollution, global warming*
- *Reduced quality of life through continuous income from preventive drugs*
- *Higher risks to health (respiratory diseases, cardio-vascular issues...)*
- *Restriction of risk groups*

VIRUSES & GERMS

Viruses are organic structures that can be seen as virus particles, so-called virions, spread and usually have a diameter from 0.015 µm to 0.4 µm. The less oxygen and the more fine dust in the air, the easier it is for viruses and bacteria to spread. In addition, a high dust loan puts a strain on the respiratory tract and can lead to chronic inflammation.

DROPLET INFECTION

Viruses that settle in the respiratory tract and mucous membranes are mainly absorbed through the ambient air. When we sneeze, cough or speak, these virus particles are released into the air. Tiny droplets float in the air for a long time and are inhaled by other people. Droplets larger than 5 µm sink relatively quickly and reach objects and surfaces where they are then indirectly absorbed.

16%

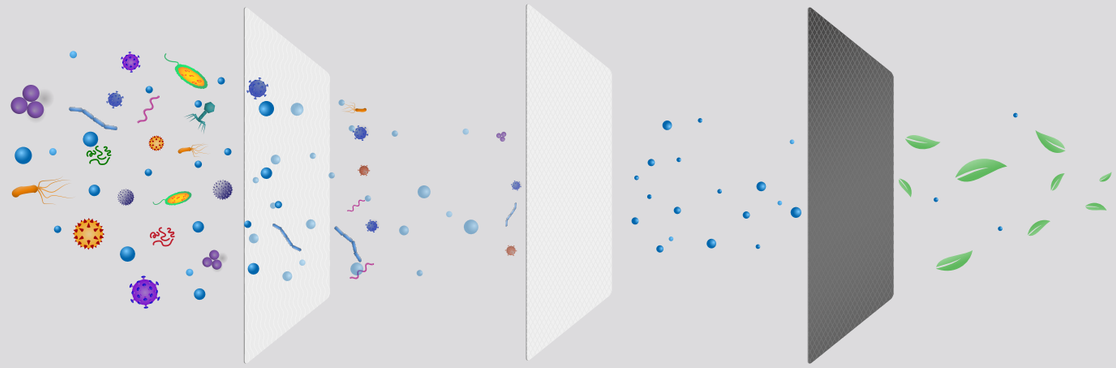
of Europeans suffer from asthma

22%

of Europeans suffer from pollen allergies

FILTER TYPES

Filters of filter class F9 and H-14 are used in numerous medical facilities such as laboratories, operating rooms or clean rooms due to their high separation efficiency. Optionally, activated carbon filters can be used as a supplement to eliminate unpleasant odors.



FINE-DUST FILTERS
Filters particles
of 0,3 µm

HEPA FILTERS
Filters particles
of 0,001 µm

ACTIVATED CARBON FILTERS
Filters particles
of 0,0001 µm

PARTICLE SIZES

Viruses are mostly present in the form of colonies alongside other particles. These conglomerates are called germs. The size of most germs falls between 0.4 µm and 0.5 µm.

TYPE	SIZE
Fibers / natural fibers	5 – **1.000 µm**
Spores & Pollen	10 – **100 µm**
Toner dust	5 – **20 µm**
Tobacco smoke and Aerosoles	0,01 – **1 µm**
Smog	0,01 – **0,5 µm**
Viruses & Bacteria	0,002 – **0,05 µm**

SYMPTOMS

Traditionally, the most common cause of sickness is by far diseases of the respiratory system. These manifest themselves with the following symptoms:

- *Dizziness, headaches*
- *Stinging eyes, runny nose, rash*
- *Itching (skin, nose, eyes)*
- *Tiredness*
- *Sickness*
- *Irritated airways*
- *Asthma & shortness of breath*
- *Insomnia*

By 2025 more than **50%** *Europeans will have to live with some kind of allergy*

THE SOLUTION

THE VITAPOINT® AIR PURIFIER

A healthy air environment contains mainly oxygen, a small amount of CO2 and a minimum of dust and particles such as viruses, bacteria or germs. The air quality can be maintained or restored by the following measures:

1. An effective filtration through coordinated filter stages (e.g. through the use of F9 and H-14 filters) separates almost all particles and germs, including bacteria and viruses, from the air and thus considerably reduces the risk of infection.

2. Sufficient ventilation enriches the air with fresh oxygen and reduces the CO2 content

The VITAPOINT® air purifier filters even the smallest particles from the air and monitors the air quality by continuously measuring the CO2 values.

AIR IS LIFE

Vitapoint® filters almost all harmful substances and significantly improves air quality, particularly in heavily frequented or polluted rooms. This not only has a positive effect on the health of the individual, but also significantly reduces the burden on the environment and the economy. Risk groups, elderly people and allergy sufferers can continue or rediscover their social and societal life unhindered even in highly polluted environments.

VITAPOINT®

VITAPOINT®

The VITAPOINT® air purifier extracts the contaminated air near the floor and cleans it through two filter stages. The hygienically clean air is then fed back into the room via a ventilation grille on the top of the unit. The separated particles remain in the filters and are disposed of with them.

YOUR ADVANTAGES

- *Lower risk of infection thanks to viruses, germs and bacteria being filtered*
- *Increase in work performance and concentration*
- *Preference for the respective mode of transport or store*
- *Protection of customers and personnal*
- *Increased sense of security*
- *Wellbeing*
- *Increased security at international events*
- *Compliance with occupational health and safety regulations*

OPTIONS

- *Activated carbon filter*
- *Plant made of stainless steel (for food-, pharmaceutical and health care industry)*

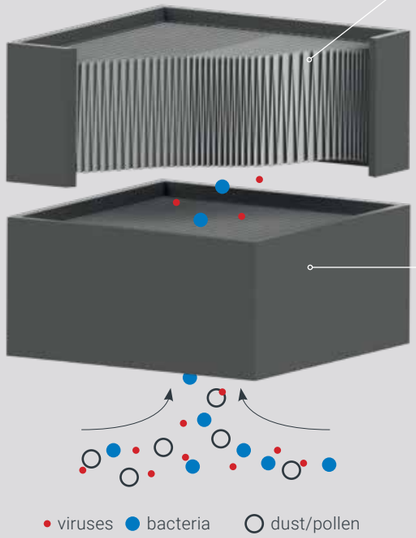
MADE IN GERMANY

VITAPOINT®

FILTER

Reliable protection when handling viruses is only provided by ventilation systems that are equipped with an appropriate filter stage structure. Among other things, the filter media of category H-14, which are certified according to DIN EN 1822, are also decisive.

DIN EN 1822



FILTER LEVEL 2

Cassette filter class H-14:
For use in operating theatres, clean rooms, sterilization boxes, exhaust air filtration, nuclear plants

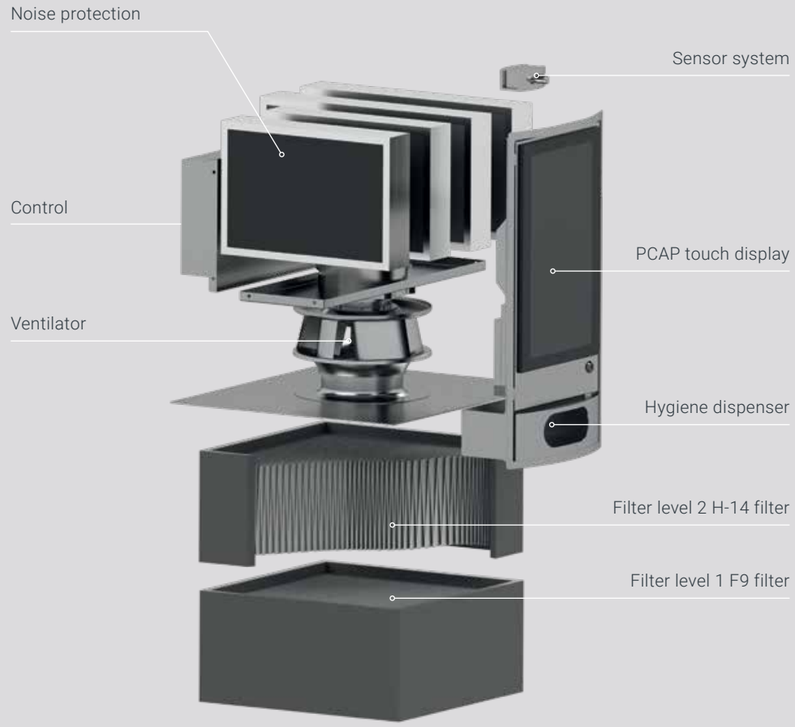
FILTER LEVEL 1

Cassette filter class F9:
For use in laboratories, nursing rooms, offices, theaters, butcheries, EDV-rooms

ADVICE FROM THE VDMA (GERMAN MECHANICAL ENGINEERING INDUSTRY ASSOCIATION)

- *The REHVA (Federation of Europena Heating, Ventilation and Air Conditioning; based in Belgium) proposes to take all measures to ensure the safe functioning of air handling systems.*
- *Use of filters at least H-13 according to EN 1822. We have H-14!*
- *Increase supply and exhaust air!*
- *Room air cleaners can be used as an addition to the existing room air system if you have a HEPA filter.*

EQUIPMENT & STRUCTURE



HIGHLIGHTS

- *Plug & Play*
- *Compact*
- *Mobile*
- *Adjustable und and energy-saving ventilator*
- *Suitable for the food, pharmaceutical and Healthcare sectors*
- *Room size and air flow adjustment*
- *Filter monitoring*
- *Measuring of air values*
- *Supplements existing ventilation systems**

**Most existing ventilation systems are not equipped with a H-14 filter and cannot technically be retrofitted*

99,995 %

Separation efficiency in accordance with DIN EN 1822

VITAPOINT®

DESIGN

Single-colour coating in over 1,800 Pantone colors

Appealing motifs

Your personalised design with logo

MOTIFS

*All motifs also only possible for the lower coating, with the upper coating in standard white

Adverts, logo and much more

24“ TOUCH-DISPLAY

The VITAPOINT® also possesses a high-quality PCAP touch display for playing logos, adverts, air data, device parameters and much more.

The disinfection dispenser which has also been implemented makes the VITAPOINT® a safe, hygienic point of contact..

24 inch

All-in-One Solution

WIFI

ow energy consumption

HYGIENE DISPENSER

Automatic disinfectant dispenser with motion sensor

Motion sensor (touchless)

Plus drip tray

AIR DATA

VOC CO2

Humidity, *VOC content,*
CO_2 content, *temperature*

THE VITAPOINT® AIR PURIFIER

VITAPOINT®	2000	3000	5000	6000	6000 pro
Performance	700 m³/h	1,250 m³/h	2,500 m³/h	4,000 m³/h	4,000 m³/h
Room size*	45 m²	80 m²	180 m²	300 m²	300 m²
Sound level max.	44 dB(A)	51 dB(A)	52,5 dB(A)	56 dB(A)	56 dB(A)
Design	black or white	black or white	individual design	individual design	individual design

* Depending on room height, number of persons and activity e.g. sports

SOUND LEVEL VITAPOINT®*

VITAPOINT®	2000
Level 1 | 50 m³/h	25 dB(A)
Level 2 | 80 m³/h	26 dB(A)
Level 3 | 120 m³/h	26 dB(A)
Level 4 | 180 m³/h	27 dB(A)
Level 5 | 250 m³/h	30 dB(A)
Level 6 | 320 m³/h	30 dB(A)
Level 7 | 390 m³/h	34 dB(A)
Level 8 | 500 m³/h	36 dB(A)
Level 9 | 600 m³/h	40 dB(A)
Level 10 | 700 m³/h	44 dB(A)

VITAPOINT®	3000
Level 1 | 50 m³/h	24 dB(A)
Level 2 | 150 m³/h	26 dB(A)
Level 3 | 250 m³/h	29 dB(A)
Level 4 | 360 m³/h	31 dB(A)
Level 5 | 460 m³/h	35 dB(A)
Level 6 | 600 m³/h	38 dB(A)
Level 7 | 700 m³/h	40 dB(A)
Level 8 | 800 m³/h	44 dB(A)
Level 9 | 1,000 m³/h	49 dB(A)
Level 10 | 1,250 m³/h	51 dB(A)

VITAPOINT®	5000
Level 1 | 150 m³/h	26 dB(A)
Level 2 | 250 m³/h	27 dB(A)
Level 3 | 450 m³/h	30 dB(A)
Level 4 | 700 m³/h	34 dB(A)
Level 5 | 1,000 m³/h	38 dB(A)
Level 6 | 1,250 m³/h	42 dB(A)
Level 7 | 1,550 m³/h	45 dB(A)
Level 8 | 1,900 m³/h	48 dB(A)
Level 9 | 2,200 m³/h	50,5 dB(A)
Level 10 | 2,500 m³/h	52,5 dB(A)

VITAPOINT®	6000
Level 1 | 200 m³/h	29 dB(A)
Level 2 | 500 m³/h	32 dB(A)
Level 3 | 1,000 m³/h	34 dB(A)
Level 4 | 1,500 m³/h	38 dB(A)
Level 5 | 2,000 m³/h	43 dB(A)
Level 6 | 2,500 m³/h	46 dB(A)
Level 7 | 3,000 m³/h	50 dB(A)
Level 8 | 3,500 m³/h	53 dB(A)
Level 9 | 3,800 m³/h	55 dB(A)
Level 10 | 4,000 m³/h	56 dB(A)

VITAPOINT®	6000 pro
Level 1 | 700 m³/h	30 dB(A)
Level 2 | 1,600 m³/h	41 dB(A)
Level 3 | 2,600 m³/h	47 dB(A)
Level 4 | 3,600 m³/h	52 dB(A)
Level 5 | 4,000 m³/h	56 dB(A)

TYPICAL SOUND LEVELS

SOUND LEVEL dB(A)	SOUND SOURCE	DANGER
25 dB(A)	breathing sounds	imperceptible
30 dB(A)	whisper	barely audible
35 dB(A)	fan	barely audible
45 dB(A)	quiet apartment	harmless, but concentration problems
50 dB(A)	soft radio music, bird twitter	harmless, but concentration problems
55 dB(A)	Radio/TV at room volume	harmless, but concentration problems
60 dB(A)	normal conversation, lawn mower (10 m distance)	hearing damage possible after prolonged exposure
65 dB(A)	big city road traffic	20% higher risk of cardiovascular diseases
70 dB(A)	motorcycle, vacuum cleaner, hairdryer	> 20% higher risk of cardiovascular diseases

* Noise level according to the Machinery Directive in the open air at a distance of 1.0 m at a height of 1.6 m. Measurement according to EN-ISO 11201, measured at nominal volume flow without material transport

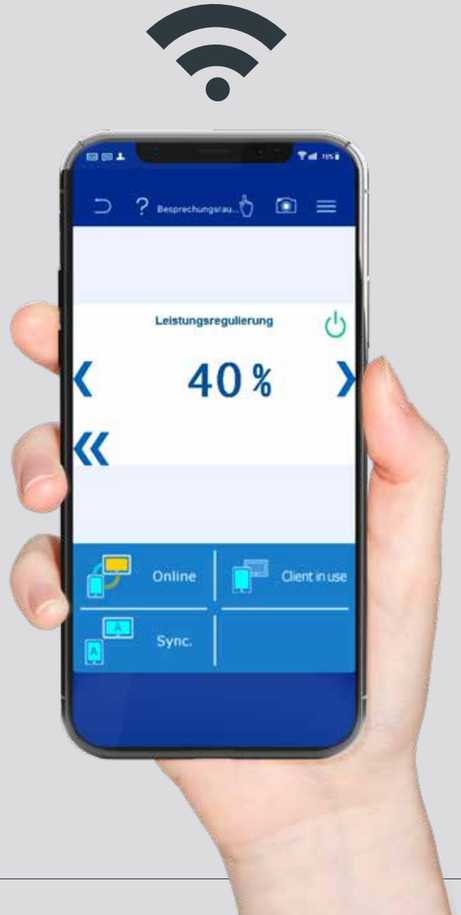
VITAPOINT®

VITAPOINT® APP

VITAPOINT® APP

Adjust the performance of your VITAPOINT air purifier to your individual needs and manage the timer, operating hours, maintenance, alarm messages and other parameters conveniently via your smartphone, tablet or PC. Up to 20 VITAPOINT devices can be managed centrally via the app.

The app is compatible with our air purifier models VITAPOINT 5000 and VITAPOINT 6000



YOUR BENEFITS

- *Suitable for VITAPOINT 5000 and 6000*
- *Convenient control access via app*
- *For smartphones, tablets and PCs*
- *Easy installation*
- *Management of up to 20 VITAPOINT air purifiers*
- *Access for 3 users at the same time*
- *Individual naming of the devices*
- *Synchronous or asynchronous mode*

OPTIONS

- *Integration in home network*
- *Logging*
- *Signal amplifier*

INSTALLATION

Access your VITAPOINT air purifier via app in just 5 steps!

SMARTPHONE | TABLET

1. Download the Pro-face Remote HMI app
2. Select VITAPOINT in WLAN settings
3. Open the app and set a password
4. Change the settings of your VITAPOINT in synchronous or asynchronous mode
5. Name each VITAPOINT individually, e.g. meeting room 1

DESKTOP

1. Download the Pro-face program Remote HMI
2. Select VITAPOINT in WLAN settings
3. Open the program and set the password
4. Change the settings of your VITAPOINT in synchronous or asynchronous mode
5. Name each VITAPOINT individually, e.g. meeting room 1

DOWNLOAD PRO FACE APP

Download the Pro-face Remote HMI app from Schneider Electric SAS from your respective app store. There are one-time costs of € 32.99.

DOWNLOAD LINK PRO-FACE

Scan the QR code and download the program to your PC. Then follow the installation instructions.

DISPLAY MODE

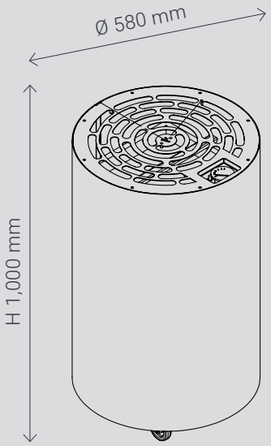
If you use the app in synchronous mode, your actions are mirrored on the VITAPOINT display. In asynchronous mode, the VITAPOINT display remains static.

SYNCHRONOUS

ASYNCHRONOUS

VITAPOINT®

VITAPOINT® 2000

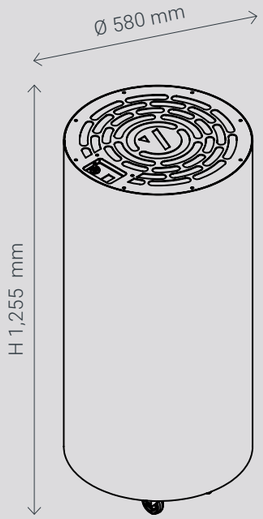


CONTROL

- *Adjustable air output*
- *Low energy consumption*
- *Filter monitoring*

Control / switch panel within the system (not accessible from the outside)

VITAPOINT® 3000



CONTROL

- *Adjustable air output*
- *Low energy consumption*
- *Filter monitoring*

Control / switch panel within the system (not accessible from the outside)

TECHNICAL DATA

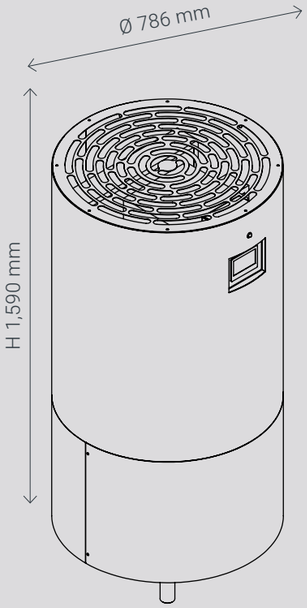
DESCRIPTION	VALUE
Max. room size	45 m²
Supply voltage	230 V
Frequency	50 Hz
Current type	1 Ph
Motor power	80 W
Fuse	16 A
Max. operating point ventilator	2,200 m³/h
Max. performance in operation	700 m³/h
Weight (approx.)	55 kg
Sound pressure highest level	<44 dB(A)
Permitted ambient temperature	5 - 40 °C
Permitted humidity	70 %

TECHNICAL DATA

DESCRIPTION	VALUE
Max. room size	80 m²
Supply voltage	230 V
Frequency	50 Hz
Current type	1 Ph
Motor power	325 W
Fuse	16 A
Max. operating point ventilator	2,200 m³/h
Max. performance in operation	1,250 m³/h
Weight (approx.)	66 kg
Sound pressure highest level	<51 dB(A)
Permitted ambient temperature	5 - 40 °C
Permitted humidity	70 %

VITAPOINT®

VITAPOINT® 5000



CONTROL

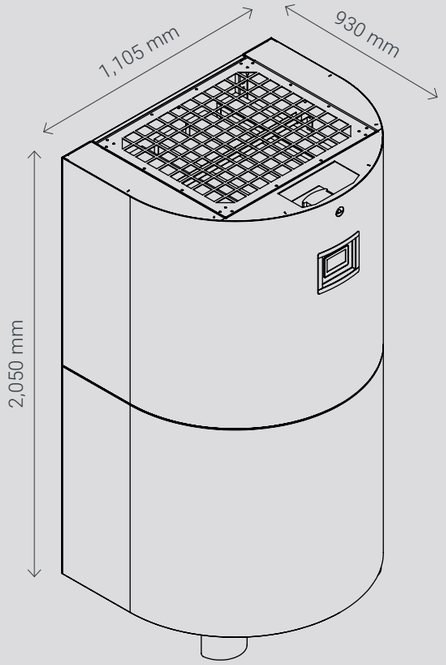
- *4.3 inch touch panel*
- *User interface control*
- *Control via app*
- *Adjustable air output*
- *Low energy consumption*
- *Filter monitoring*
- *Sensor technology and display of CO^2 content*
- *Timer with pause times*
- *Multilingual control*

Control / switch panel within the system (not accessible from the outside)

TECHNICAL DATA

BESCHREIBUNG	VALUE
Raumgröße max.	180 m²
Anschlusspannung	230 V
Frequenz	50 Hz
Stromart	1 Ph
Motorleistung	750 W
Vorsicherung	16 A
Ventilatorleistung max.	5,000 m³/h
Leistung in Betrieb max.	2,500 m³/h
Gewicht (ca.)	135 kg
Schalldruckpegel höchstes Level	<52.5 dB(A)
Zulässige Umgebungstemp.	5 - 40 °C
Zulässige Luftfeuchtigkeit	70 %

VITAPOINT® 6000



CONTROL

- *4.3 inch touch panel*
- *User interface control*
- *Control via app*
- *Adjustable air output*
- *Low energy consumption*
- *Filter monitoring*
- *Sensor technology and display of CO^2 content*
- *Timer with pause times*
- *Multilingual control*

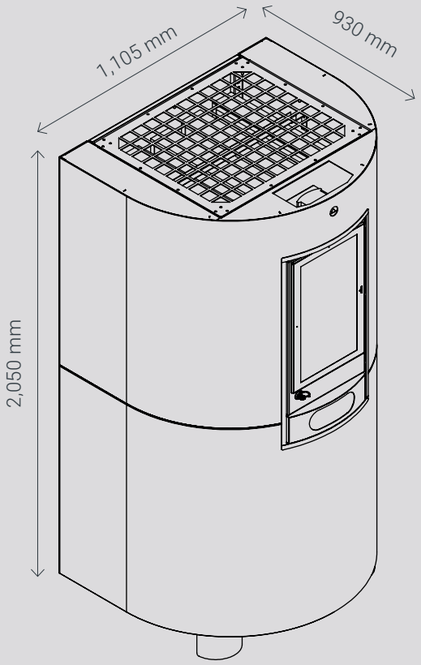
Control / switch panel within the system (not accessible from the outside)

TECHNICAL DATA

DESCRIPTION	VALUE
Max. room size	300 m²
Supply voltage	230 V
Frequency	50 Hz
Current type	1 Ph
Motor power	1.5 kW
Fuse	16 A
Max. operating point ventilator	5,500 m³/h
Max. performance in operation	4,000 m³/h
Weight (approx.)	315 kg
Sound pressure highest level	<56 dB(A)
Permitted ambient temperature	5 - 40 °C
Permitted humidity	70 %

VITAPOINT®

VITAPOINT® 6000 pro



CONTROL

- *24 inch touch panel*
- *User interface Control*
- *Adjustable air output*
- *Low energy consumption*
- *Filter monitoring*
- *Sensors and display of various air parameters*
- *Timer with pause times*
- *Multilingual control*
- *Remote Service*
- *Premium Service menu*

Control / switch panel within the system (not accessible from the outside)

TECHNICAL DATA

BESCHREIBUNG	VALUE
Max. room size	300 m²
Supply voltage	230 V
Frequency	50 Hz
Current type	1 Ph
Motor power	1.5 kW
Fuse	16 A
Max. operating point ventilator	5,500 m³/h
Max. performance in operation	4,000 m³/h
Weight (approx.)	320 kg
Sound pressure highest level	<56 dB(A)
Permitted ambient temperature	5 - 40 °C
Permitted humidity	70 %

ENGLISH

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