waeev

EFFECTIVE AGAINST COVID-19

waeev

IT'S TIME TO CHANGE THE AIR

Safe and healty indoor spaces everywhere
A solution for everyone

WAEEV VERSIONS

All WAEEV solutions are available in multiple versions to meet the most diverse needs.

Basic version is the low entry solution that, while ensuring the required level of air sanitization, has a simple manual management with on/off control and two-speed regulation of ventilation. No Integrated air quality sensors or remote control is provided.

Standard version include features of remote electronic management and Indoor air quality level detection. Has VOC and CO2 monitoring, temperature humidity and air pressure detection capability. The air flow can be remotely modulated in accordance with the needs. The system can be managed via smartphones, from the cloud, or integrated into any home automation system and/or BMS.

Standard PM version add to the standard version a Particulate matter sensor to monitor the PM1, PM2.5 and PM 10 Levels.

Plus version is the most comprehensive offering additional sensors and advanced features that make them ideal where a higher level of monitoring and supervision is required. In addition to air quality sensors, sensors for monitoring brightness, noise, presence detection and 3-axis accelerometer for motion detection. It also has a sensor for measurement of particulate levels (PM1.0, PM2.5 and PM10). The smart logics allow to configure automatic operating modes simplifying the use and increase sanitization effectiveness. Systems can be managed via smartphones, cloud, or integrated into any BMS system. The system also provides integration with Amazon Alexa solutions and can therefore be easily used with home automation systems..
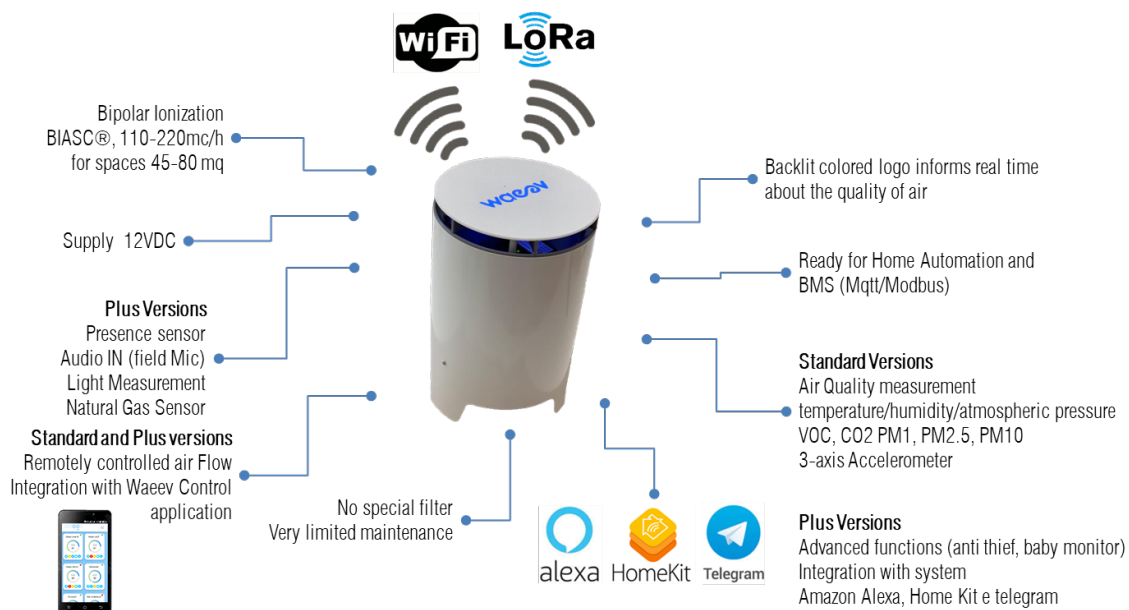
Waeev Control

The WAEEV CONTROL application allows easy and convenient management of WAEEV equipment anywhere, anytime. It allows you to manage multiple devices installed in the same place or different places, to keep the state of air quality under control and in general of the rooms.

In cockpit view you can see the status of all devices at a glance, any anomalies are highlighted In the detailed view you can see all values detected by sensors, while in graphic mode values over time of different sensors are shown, also comparing with other sensor data even if at different sites.

WAEEV CONTROL is available as a Web App for pc and smartphones.

All WAEEV devices are also easily integrated with our Technical-Hypervision platform or any BMS system.

WiFi **LoRa**

Bipolar Ionization
BIASC®, 110-220mc/h
for spaces 45-80 mq

Supply 12VDC

Plus Versions
Presence sensor
Audio IN (field Mic)
Light Measurement
Natural Gas Sensor

Standard and Plus versions
Remotely controlled air Flow
Integration with Waeev Control
application

No special filter
Very limited maintenance

Backlit colored logo informs real time
about the quality of air

Ready for Home Automation and
BMS (Mqtt/Modbus)

Standard Versions
Air Quality measurement
temperature/humidity/atmospheric pressure
VOC, CO2 PM1, PM2.5, PM10
3-axis Accelerometer

Plus Versions
Advanced functions (anti thief, baby monitor)
Integration with system
Amazon Alexa, Home Kit e telegram

alexa   HomeKit   Telegram

Version	Connectivity Wi-FI (2.4 GHz)	Connectivity Lora 868/433 MHz	Air Flow Tabletop (mc/h)	Air Flow Wall/ceiling (mc/h)	Sqm Tabletop (ACR =2)	Sqm Wall/ceiling (ACR =2)	Noise Tabletop (dBA) max	RNoise Wall/ceiling(dBA) max	LED IAQ Indication	Manual 2 level flow control	Remote Management /Cloud	IAQ Sensor	PM Sensor	Advanced Sensors	Advanced functionalities
Basic			220	440	40-60	40-60	46	46		◆					
Basic			160	320	30-40	30-40	43	43		◆					
Basic			110	220	20-30	20-30	30	30		◆					
Standard	◆	⊕	220	440	40-60	40-60	46	46	◆		◆	◆			
Standard	◆	⊕	160	320	30-40	30-40	43	43	◆		◆	◆			
Standard	◆	⊕	110	220	20-30	20-30	30	30	◆		◆	◆			
Standard PM	◆	⊕	220	440	40-60	40-60	46	46	◆		◆	◆	◆		
Standard PM	◆	⊕	160	320	30-40	30-40	43	43	◆		◆	◆	◆		
Standard PM	◆	⊕	110	220	20-30	20-30	30	30	◆		◆	◆	◆		
Plus	◆	⊕	220	440	40-60	40-60	46	46	◆		◆	◆	◆	◆	◆
Plus	◆	⊕	160	320	30-40	30-40	43	43	◆		◆	◆	◆	◆	◆
Plus	◆	⊕	110	220	20-30	20-30	30	30	◆		◆	◆	◆	◆	◆

Function	Descrizione
Air Flow (mc/h)	Is the maximum sanitized air flow (At maximum air flow)
Noise	110 mc/h versions have a Lower noise emission (20dBA) for comfortable usage in residential spaces and offices
Square meters	It is and approximated estimate in square meter of the sanitized space assuming an air change factor (ACR) as of 2 (2 full air change per hours) and an estimated ceiling height of 3m.
LED indication of IAQ	The LED logo on the top shows the real time status of IAQ over 4 different levels (very good, good, average, bad)
Remote management	Integration with Waeev Control application for remote data gathering and remote control.
Connectivity	All units with connectivity capability communicate with the cloud system via MQTT or Modbus TCP. Also optionally available wireless Lora version. For Ceiling model also optional Modbus RTU is available.
IAQ Sensor	Monitoring of: Wellness and IAQ Index, CO2 and VOC (Volatile Organic Components), Temperature, umidity, atmospheric pressure.
PM Sensor	Particulate matter sensor (PM1, PM2.5 and PM10)
Advanced sensors	In addition to the standard version include: PM Sensor, Light intensity sensor, presence sensor, noise sensor, Gas sensor
Advanced functionalities	Automatic management, Burglar alarm, baby monitor, event triggered activation, Integration with Alexa, Google Home, Home kit
Colors	W= All White, WG= withe body/ Grey Top, BG = Black body/grey top

A solution for every environment

WAEEV TABLETOP

WAEEV TABLETOP is an all-in-one device, compact and highly effective, for the sanitization of air and surfaces.

WAEEV Tabletop units have a capacity to process up to 220 mc/h. and an ability to sanitize environments between 30 and 60 sqm. If necessary, multiple units can be used in the same environment. Its easy and flexible installation make it the most effective and flexible tool for both personal protection and area protection. The Plus version, through smart functions can also be used as anti-intrusion alarm or baby monitor.

Ideal solution for: Offices, professional and medical firms, meeting rooms, bars, restaurants, clinical analysis laboratories

WAEEV WALL

WAEEV WALL is an all-in-one device, compact but highly effective, for sanitization of air and surfaces in medium and large environments.

Units have a capacity to process up to 440 mc/h. and a capacity to sanitize environments between 60 and 100 sqm. The units can be installed both on the wall and on a pedestal with wheels to facilitate their movement between different environments.

Ideal solution for: Offices, professional and medical offices, meeting rooms, bars, restaurants, clinical analysis laboratories, public toilets.

WAEEV CEILING

WAEEV CEILING is an all-in-one device, effective, for sanitization of air and surfaces in large environments. It comes in a standard 60 x 60 cm module for easy installation embedded in ceiling.

WAEEV CEILING units have a treatment capacity of up to 440 mc/h. and a capacity to sanitize environments between 60 and 100 sqm.

CEILING units are ideal for large environments being able to guarantee an optimal distribution of ions in the environment and a homogeneous recirculation of the air.

Ideal solution for: Offices, professional and medical offices, meeting rooms, bars, restaurants, clinical analysis laboratories

WAEEV SMART

WAEEV SMART is the smallest of WAEEV devices, small for small spaces but no less important. With a capacity of 35mc/h, compact size and lightweight, it has been designed to improve the storage of food in the refrigerator and keep food healthy. It is able to eliminate bad smells not only from refrigerator, but also in scarfing, storage rooms, closets etc.

Ideal solution for: Domestic and commercial refrigerators, pastry shops, butcher's shop and all establishments with display counters. Also very useful in rooms and cots for

WAEEV FAN

WAEEV FAN is yet a small and compact unit, providing a greater air treatment capacity with the same characteristics of simplicity and installation flexibility. With a flow rate of 100mc/h it has been designed to ensure air sanitization in many different situations. The adjustable nozzle allows you to use it in different situations and contexts. When installed on Split or Fan Coil units, it allows you to sanitize the airflow of the devices and take advantage of the ventilation capacity of the units to better distribute the ions in the space.

Ideal solution for: Bathrooms, small/medium rooms, cars, cams and campers, pastry shops, butchers and all the exercises with display counters. But also in rooms and cots for children, boats and campers.

WAEEV IDSU-BI4

WAEEV IDSU-BI4 is part of the WAEEV family of solutions for commercial and industrial air pipeline systems.

The unit integrates ionization capabilities with air quality monitoring capabilities (similar to IAQ and IAQ-PM sensors) for in-duct installations. The shape of its probe has been specially designed to facilitate the installation and improve the distribution of ions in pipelines. The device has an ability to treat air flows up to 4000mc/h (2400 CFM).

It can be installed on pipelines or fan coils, and is equipped with remote control and management from any BMS system or integration with the WAEEV CONTROL or Wellnergy® Technical-Hypervision system

WAEEV IAQ

WAEEV IAQ is part of the WAEEV IAQ monitoring solutions. It is a compact, lightweight easy-to-install, battery-powered device.

It is able to detect the main air quality parameters of: Temperature, Humidity, Atmospheric Pressure, VOC, CO_2 and is equipped with algorithms that provide an overall index of chemical air quality and an index of environmental comfort.

The units communicate with the WAEEV CONTROL cloud system via Wi-Fi or Lora wireless communication (868/433).

WAEEV IAQ-PM

WAEEV IAQ-PM increase the capabilities of the IAQ unit with the addition of a Particulate Matter (PM) sensor.

It is able to detect PM1 particulate levels, PM2.5, and PM 10.

Similar to IAQ units, are battery powered or 5VDC-powered and communicate with the WAEEV CONTROL cloud system via Wi-Fi or Lora wireless communication (868/433).

WAEEV ENVS

WAEEV ENVS It is the most complete and advanced of the sensor family, which combines the detection of air quality parameters, with detection of the following parameters: Presence (8m), Brightness (lux), Noises, Natural Gas / LPG. 3-axis accelerometer (tampering detection) and bipolar ION Levels

Through the WAEEV CONTROL application it is possible to define specific logics for sensor management, thus extending its functionality also to environmental monitoring, anti intrusion etc..

Its characteristics make it ideal for the complete monitoring of private and commercial environments, children's rooms, elderly people etc.

WAEEV IDS

WAEEV IDS is part of the WAEEV family of solutions for commercial and industrial air duct systems.

The unit has air quality monitoring capabilities for installation in pipelines or fan coils. Through the Modbus RTU/TCP interfaces, and Mqtt, it can be integrated with any BMS system and with the WAEEV CONTROL system or our iSBMS system and wellnergy® technical-hypervision platform.

WAEEV ION-BM

WAEEV ION-BM is a compact and powerful environmental monitoring solution.

The unit integrates real time bipolar ionization capabilities with air quality monitoring capabilities (similar to IAQ and IAQ-PM sensors).

It is capable to detect and monitor Air ions in the range of 100-19,990,000 (pcs/cc), selectable in 3 steps.

It can be installed on wall or desk, it is equipped with remote control and management from any BMS system or integration with the WAEEV CONTROL or Wellnergy® Technical-Hypervision system.

Authorised reseller

Waeev is a product of

WELLNERGY®
Smart Wellness and Energy Saving

Italian Creativity and USA Technology

For any request and top see all waeev solutions please go to
www.waeev.com
To purchase on-line
www.wellnergy-usa.com