



PRODUCT BROCHURE

2025





HiVent Technology is an Ankara-based company founded by a team with over 20 years of experience in the industry.

HiVent is your solution partner for industrial smoke and dust extraction systems.

What do we do?

- Consulting Services: We provide technical consulting services related to the removal of industrial dust, fumes (especially welding fumes) and unwanted odours in all areas of production, regardless of sector. Based on the requests and needs of our client companies, we offer all our knowledge and experience to select the most suitable ventilation/filtration systems for the required location, taking into account national and international standards and laws/regulations, and prepare specifications when necessary.

- Project design services: We design and plan the most suitable system for your industrial ventilation/filtration needs.

- Analysis services: We perform CFD analyses upon request within the scope of the projects we undertake or upon request outside of project services.

- Production and supply services: We can supply machinery and equipment designed by us or tailored to your requirements, either from our own production programme or, if not available, through our international supply network.

- OEM/ODM manufacturing: We design and manufacture OEM/ODM fume extraction and dust extraction systems for our global business partners.

- Modernise services: We examine the industrial ventilation/filtration systems you are currently using and, if appropriate, modernise them to make them more efficient and reduce operating costs. Thanks to our proprietary software and industry-specific hardware, we can bring your old systems up to date with the latest technology.

- Spare parts and consumables: We supply spare parts and consumables for all brands of systems, provided they are available in our supply network. We make it easy for you to access many components such as filters, fans, motors and control systems.

- Auxiliary products: We supply many complementary products such as welding curtains, respirators, and welding masks.

PRODUCTION and QUALITY

We are a leading company specialising in the manufacture of industrial fume and dust extraction machines. With over 25 years of experience and a commitment to quality, we provide innovative solutions and exceptional service to our customers worldwide.



Sheet Metal Processing and Forming

At our company, we perform high-precision sheet metal processing operations. We are committed to providing exceptional workmanship and reliable systems that are well-supported and well-structured.



Quality Assurance from Assembly to Shipment

Every stage of production -from assembly to final dispatch- is carried out with meticulous care. Our Quality Control Department performs comprehensive testing prior to packaging, ensuring that all products meet the highest standards before reaching our customers.



Advanced Laser Welding Technology

Our company closely follows the latest technological developments and performs high-precision laser welding operations. By adopting these cutting-edge techniques, we are able to offer enhanced service quality and greater value to our customers.

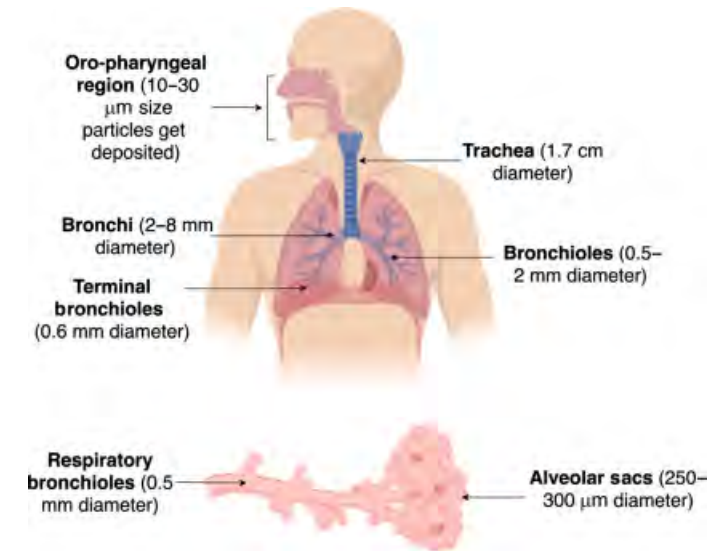


BEHAVIOUR OF WELDING FUME

- *Fumes are a dense collection of particles that cannot be seen with the naked eye but become visible when they form a thin layer.
- *The fumes produced during welding contain contaminating particles with an average diameter of between 0.05 and 20 micrometres.
- *The amount and type of welding fumes produced depends on the welding parameters and base materials.
- *Welding fumes rise rapidly due to the high heat generated at the moment of formation.
- *The heat-losing fumes remain suspended in the air at a height of 2.5 to 5 metres.
- *The fumes, freed from heavy particles, continue to rise slowly.
- *Particles that fall to the ground are lifted back up by every air movement in the environment and inhaled by all employees.
- *These particles also settle in workers' eye sockets, on their skin and in their hair roots.

Welding fumes cause serious illnesses and deaths in the long term.

If welding fumes contain carcinogenic substances (e.g. nickel compounds or chromium), the air must be expelled or filtered and returned to the room. (Considering the impact on the environment, filtering is the most appropriate option.)



The fumes produced during welding contain many substances that are harmful to health.

Welding fumes contain heavy metals. During welding and cutting processes, various gases are produced as a result of the burning or evaporation of welding consumables, cutting fluids, oil, grease and other residues on the main material being welded, as well as coatings such as paint and galvanisation, due to the effect of the arc temperature.

In addition, the combustion of flammable gases such as acetylene, propane, butane and methane used in gas sources and hard soldering processes with oxygen gas results in the formation of gases such as carbon monoxide, carbon dioxide and nitrogen oxide, as well as depending on the filler material, flux and base material used, particles and vapours of metals such as zinc, copper, cadmium and lead, as well as fluoride and chloride-based gases are produced.

Gases, dust and fumes generated during the production process in welding workshops and spread into the working environment enter the body through the respiratory tract. Some of these air pollutants cause chronic (long-term) diseases, and depending on the level of exposure, they can also cause acute (sudden) illnesses. For example, metal fume fever, which is common among welders, is usually a temporary illness, but it also contributes to the development of chronic illnesses.

If the concentration of pollutants in the working environment of welding workshops exceeds the permissible level and this air is inhaled, depending on the duration and intensity of exposure, it can cause breathing difficulties, blood disorders, cancer, chronic bronchitis, headaches, pulmonary oedema, metal fume fever, and irritation of the mouth and nose mucosa. Additionally, various damages may occur in the central nervous system, kidneys, liver, blood-forming system, and bone structure, leading to related diseases.

Occupational diseases called pneumoconiosis occur as a result of the accumulation of metal-containing dust, gas and fumes in the lungs after prolonged inhalation. While metals such as carbon, tin, iron and aluminium, which affect workers in welding workshops through dust, gas, fumes and oxides, pose a low risk, cadmium, chromium, lead, vanadium, manganese, mercury, molybdenum, nickel, titanium, and zinc, on the other hand, cause irritation and toxicity, leading to much more significant health issues and chronic illnesses.

In summary, dust, fumes, gases and vapours commonly encountered in welding workshops and entering the body through respiration cause irritation in the respiratory tract due to the chemical substances mentioned above, and cause permanent diseases when inhaled at high concentrations for long periods of time. Similar effects are observed in the eyes, leading to health issues such as irritation, conjunctivitis, keratitis, and allergies.

Some gases found in welding fumes:

Aluminium oxide (Al_2O_3), Barium (Ba), Lead (Pb), Chromium (Cr), Hexavalent chromium (Cr (VI)), Cobalt (Co), Hematite (Fe_2O_3), Formaldehyde (CH_2O), Carbon dioxide (CO_2), Carbon monoxide (CO), Copper (Cu), Manganese (Mn), Nickel (Ni), Nickel oxide (NiO), Ozone (O_3), Phosgene (COCl_2), Nitrogen dioxide (NO_2), Nitrogen monoxide (NO), Zinc oxide (ZnO), Zinc (Zn), Tin (Sn)

EWC codes for the content of welding fume particles: 1003, 1004, 1005, 1006, 1008, 1201

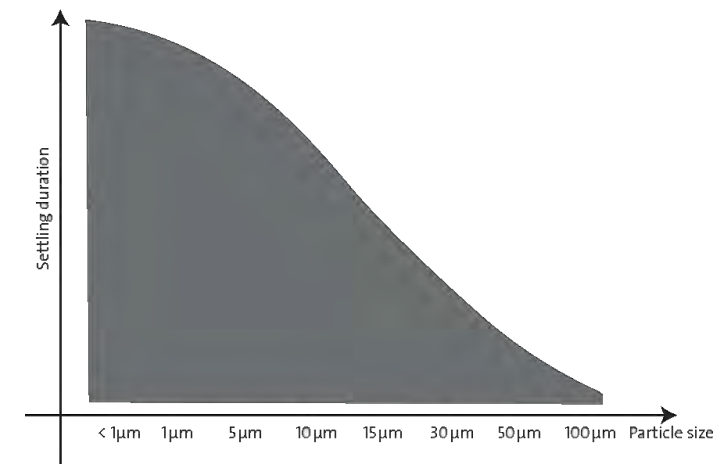


Diagram: The smaller the particles, the slower they settle.



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HIGH VACUUM DUST AND FUME FILTERS - Page 20



Mobile unit



Portable unit



Fixed & Central Unit



Manual filter cleaning



Automatic filter cleaning



Welding



Grinding



Polishing



Handling dusts



Thermal cutting fumes



Composite dusts

MOBILE FUME AND DUST EXTRACTION UNITS



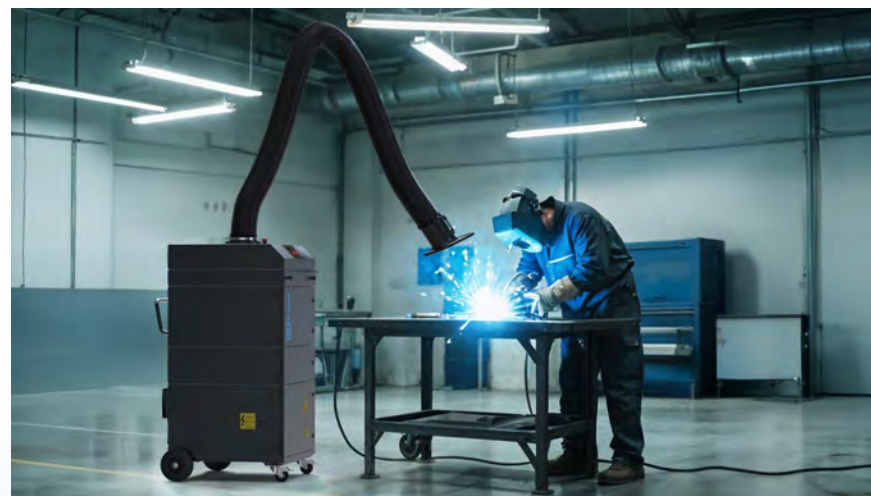
M20



HiVent M20 is a mobile welding fume extraction and filtration unit with a mechanical (disposable) filter and a 2-meter (3-meter optional) suction arm with an internal mechanism. It is suitable for semi-professional use for filtering welding fumes and light grinding operations.

Product code: 656.63.6200

PERFORMANCE	
Fan	Radial aluminium
Motor power	1,1 kW
Electrical voltage	230 V AC / 50 Hz
Airflow capacity	max. 2500 m ³ /h
Air flow in the hood	~ 1100 m ³ /h
Fan speed	2880 rpm
Sound pressure	68 dbA (EN ISO 3476)
WxLxH (mm)	700 x 720 x 1420
Weight, kg	80
FILTERS	
Main Filter	
Material	80% cellulose, 20% polyester
EN class	F9 (EN779:2012)
Washability	No
Pre-Filter	
Material	Polyester
EN class	G4 (EN779:2012)
Washability	No
Metal Mesh Filter	
Material	Galvanised or stainless steel
EN class	G2 (EN779:2012)
Washability	Hayır



MOBILE FUME AND DUST EXTRACTION UNITS



K20



HiVent K20 is a mobile welding fume extraction and filtration unit with a 3-meter (2-meter optional) suction arm with internal mechanism.

The unit has a cleanable cartridge filter and features such as an operating hour counter, filter full indicator, fault warning and a special dust collection bucket. It is suitable for professional use for filtering welding fumes and light grinding operations.

Product code: 656.53.5200

PERFORMANCE	
Fan	Radial aluminium
Motor power	1,1 kW
Electrical voltage	230 V AC / 50 Hz
Airflow capacity	max. 2500 m ³ /h
Air flow in the hood	~ 1100 m ³ /h
Fan speed	2880 rpm
Sound pressure	72 dbA (EN ISO 3476)
WxLxH (mm)	760 x 600 x 1045
Weight, kg	100

FILTERS	
Main Filter	
Material	80% cellulose, 20% polyester
EN class	F9 (EN779:2012)
Washability	No
Surface coating	Nanofibre
Cleanability	Manual with compres. air gun
Surface area	14 m ²



MOBILE FUME AND DUST EXTRACTION UNITS



K30



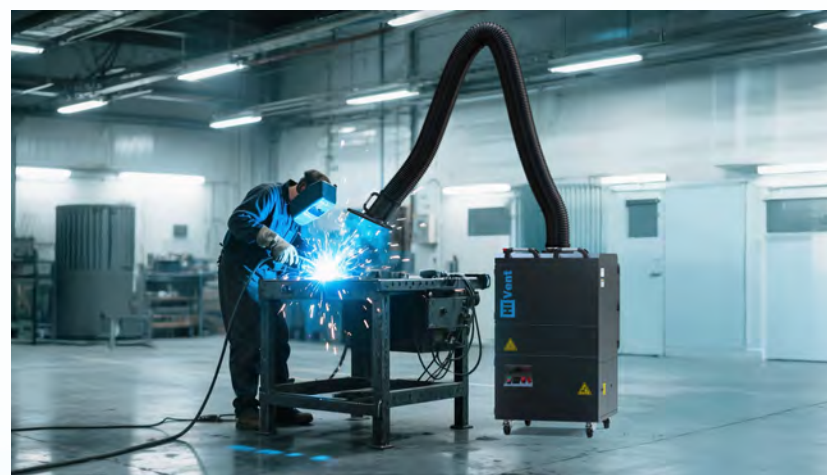
HiVent K30 is a mobile welding fume extraction and filtration unit with a 3-meter (4-meter optional) suction arm with internal mechanism.

It has superior features such as working hour counter, filter full indicator, fault warning, and special dust collection bucket. It is suitable for professional use for filtering welding fumes and light grinding operations.

Product code: 656.53.5300

PERFORMANCE	
Fan	Radial aluminium
Motor power	1,1 kW
Electrical voltage	230 V AC / 50 Hz
Airflow capacity	max. 3000 m ³ /h
Air flow in the hood	~ 1270 m ³ /h
Fan speed	2880 rpm
Sound pressure	72 dbA (EN ISO 3476)
WxLxH (mm)	700 x 790 x 1125
Weight, kg	120

FILTERS	
Main Filter	
Material	80% cellulose, 20% polyester
EN class	F9 (EN779:2012)
Washability	No
Surface coating	Nanofibre
Cleanability	Manual with compres. air gun
Surface area	14 m ²



MOBILE FUME AND DUST EXTRACTION UNITS



K35



HiVent K35 is a professional-grade mobile welding fume extraction and filtration unit with a cartridge (cleanable) filter and two 3-meter suction arms with internal mechanisms.

The unit has superior features such as a cleanable cartridge filter, operating hour counter, filter full indicator, fault warning, and special dust collection bucket. Thanks to the integrated phase sequence protection device, the machine will not operate until the correct phase sequence is connected and the motor is prevented from rotating in

Product code: 656.53.5350

PERFORMANCE	
Fan	Radial aluminium
Motor power	2,2 kW
Electrical voltage	400 V AC / 50 Hz
Airflow capacity	max. 3500 m ³ /h
Air flow in the hood	~ 2x1270 m ³ /h
Fan speed	2880 rpm
Sound pressure	72 dbA (EN ISO 3476)
WxLxH (mm)	700 x 780 x 1340
Weight, kg	135
FILTERS	
Main Filter	
Material	80% cellulose, 20% polyester
EN class	F9 (EN779:2012)
Washability	No
Surface coating	Nanofibre
Cleanability	Manual with compres. air gun
Surface area	2 x 14 m ²



MOBILE FUME AND DUST EXTRACTION UNITS



K301

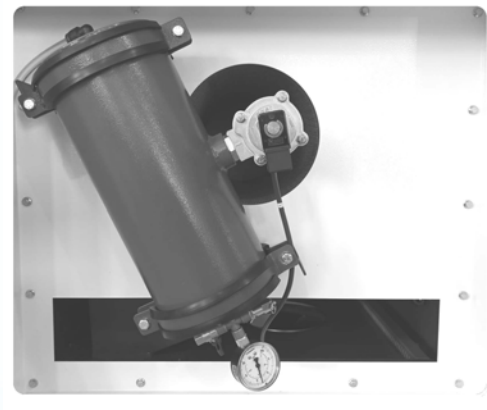


HiVent K301 is a professional-grade mobile welding fume extraction and filtration unit with a cartridge (cleanable) filter and a 3-meter (4-meter optional) suction arm with an internal mechanism.

The unit has superior features such as an automatically cleanable cartridge filter, operating hour counter, filter full indicator, fault warning, and special dust collection bucket.

Product code: 656.53.5301

PERFORMANCE	
Fan	Radial aluminium
Motor power	1,1 kW
Electrical voltage	230 V AC / 50 Hz
Airflow capacity	max. 3000 m ³ /h
Air flow in the hood	~ 1270 m ³ /h
Fan speed	2880 rpm
Sound pressure	72 dbA (EN ISO 3476)
WxLxH (mm)	700 x 964 x 1260
Weight, kg	140
FILTERS	
Main Filter	
Material	80% cellulose, 20% polyester
EN class	F9 (EN779:2012)
Washability	No
Surface coating	Nanofibre
Cleanability	Jet-pulse automatic
Surface area	14 m ²



MOBILE FUME AND DUST EXTRACTION UNITS



K351

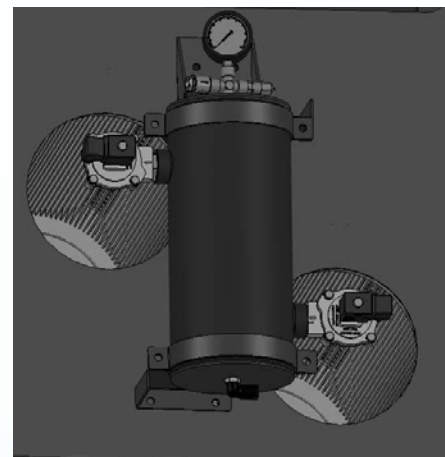


HiVent K351 is a professional-grade mobile welding fume extraction and filtration unit with a cartridge (cleanable) filter and two 3-meter (4-meter optional) suction arms with internal mechanisms.

The unit has superior features such as a cleanable cartridge filter, operating hour counter, filter full indicator, fault warning, and special dust collection bucket. Thanks to the integrated phase sequence protection device, the machine will not operate until the correct phase sequence is connected and the motor is prevented from rotating in reverse.

Product code: 656.53.5351

PERFORMANCE	
Fan	Radial aluminium
Motor power	2,2 kW
Electrical voltage	400 V AC / 50 Hz
Airflow capacity	max. 3500 m ³ /h
Air flow in the hood	~ 2x1270 m ³ /h
Fan speed	2880 rpm
Sound pressure	72 dbA (EN ISO 3476)
WxLxH (mm)	700 x 974 x 1460
Weight, kg	140
FILTERS	
Main Filter	
Material	80% cellulose, 20% polyester
EN class	F9 (EN779:2012)
Washability	No
Surface coating	Nanofibre
Cleanability	Jet-pulse automatic
Surface area	2 x 14 m ²



MOBILE FUME AND DUST EXTRACTION UNITS



D300



HiVent D300 is one of the most innovative products in the mobile series. We offer solutions today for the needs of tomorrow. The D300 offers single or dual arm options and comes with classic and digital control panel options.

It can be supplied with jet-pulse filter cleaning equipment as standard.

Product code: 656.53.3300

PERFORMANCE	
Fan	Radial aluminium
Motor power	1,1 kW
Electrical voltage	230 V AC / 50 Hz
Airflow capacity	max. 3500 m ³ /h
Air flow in the hood	~ 1300 m ³ /h
Fan speed	2880 rpm
Sound pressure	68 dbA (EN ISO 3476)
WxLxH (mm)	650 x 1260 x 1150
Weight, kg	100
FILTERS	
Main Filter	
Material	80% cellulose, 20% polyester
EN class	F9 (EN779:2012)
Washability	No
Surface coating	Nanofibre
Cleanability	Jet-pulse automatic
Surface area	14 m ²
Metal Mesh Filter	
Material	Galvanised or stainless steel
EN class	G2 (EN779:2012)
Washability	Hayır



DOWNDRAFT WELDING, GRINDING TABLES



MT20



HiVent MT20 is a mobile downdraft and filtration table with a mechanical (disposable) filter.

The table has a load capacity of approximately 500 kg.

It is suitable for light welding, grinding, polishing and filling/handling operations.

Product code: 656.68.6820

PERFORMANCE	
Fan	Radial aluminium
Motor power	1,1 kW
Electrical voltage	230 V AC / 50 Hz
Airflow capacity	max. 2500 m ³ /h
Table surface airflow	~ 1300 m ³ /h
Fan speed	2880 rpm
Sound pressure	68 dbA (EN ISO 3476)
WxLxH (mm)	700 x 1100 x 920
Weight, kg	130

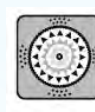
FILTERS	
Main Filter	
Material	80% cellulose, 20% polyester
EN class	F9 (EN779:2012)
Washability	No
Metal Mesh Filter	
Material	Galvanised or stainless steel
EN class	G2 (EN779:2012)
Washability	Yes



DOWNDRAFT WELDING, GRINDING AND POLISHING TABLES



KT20



HiVent KT20 is a mobile downdraft and filtration table with a cartridge (cleanable) filter.

The table has a load capacity of approximately 1000 kg.

It is suitable for professional welding, grinding, polishing and filling/handling operations.

Product code: 656.68.5820

PERFORMANCE	
Fan	Radial aluminium
Motor power	2,2 kW
Electrical voltage	400 V AC / 50 Hz
Airflow capacity	max. 3000 m³/h
Table surface airflow	~ 1350 m³/h
Fan speed	2880 rpm
Sound pressure	68 dbA (EN ISO 3476)
WxLxH (mm)	700 x 1500 x 1495
Weight, kg	300

FILTERS	
Main Filter	
Material	80% cellulose, 20% polyester
EN class	F9 (EN779:2012)
Washability	No
Surface coating	Nanofibre
Cleanability	Jet-pulse automatic
Surface area	14 m²



CENTRAL FUME AND DUST EXTRACTION SYSTEMS



KD30



KD30 is a single-arm fixed welding fume extractor designed for professional use. The unit has a fully automatic cleanable cartridge filter system and superior features such as an operating hour counter, filter full indicator, fault warning, and special dust collection bucket.

Fully automatic jet-pulse filter cleaning equipment is offered as standard. The EPA F9 nanofibre FR filter cartridge provides more than 99% filtration.

Strengths:

- Designed to be wall-mounted.
- Fully automatic jet-pulse filter cleaning system.
- Low energy consumption with a single-phase 1.1 kW motor.
- Compact design with a flexible arm structure, enabling easy use in any desired area.
- Control panel with an electrical fault signal, filter fullness warning, and operating hour counter.

Product code: 656.67.5330

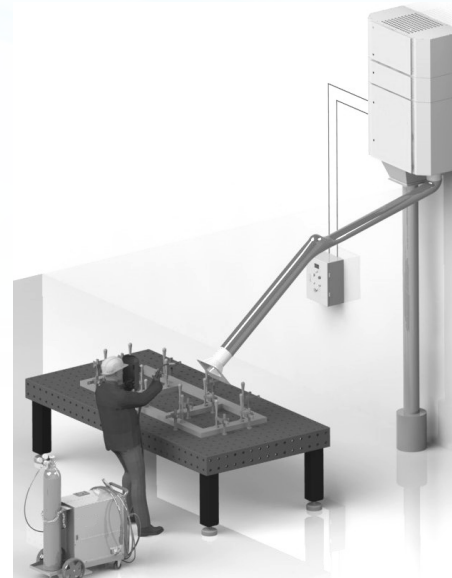
PERFORMANCE

Fan	Radial aluminium
Motor power	1,1 kW
Electrical voltage	230 V AC / 50 Hz
Airflow capacity	max. 2500 m ³ /h
Air flow in the hood	~ 1100 m ³ /h
Fan speed	2880 rpm
Sound pressure	68 dbA (EN ISO 3476)
WxLxH (mm)	522 x 1000 x 1830
Weight, kg	165

FILTERS

Main Filter

Material	80% cellulose, 20% polyester
EN class	F9 (EN779:2012)
Washability	No
Surface coating	Nanofibre
Cleanability	Jet-pulse automatic
Surface area	14 m ²



CENTRAL FUME AND DUST EXTRACTION SYSTEMS



CA30



Our CA30 fixed filter unit is designed in a compact structure. Height-adjustable vibration damping feet ensure a stable stance. Access to the wheeled dust collection bin is easy. It can be used with various types of installations against many different pollutants such as welding fumes, grinding dusts, metal dusts, plastic dusts, paper and food dusts, composite and fibre dusts.

Example installation types:

- Source robot cells
- WAAM cells
- Installation with acrobat suction arms
- Connection to grinding tables
- Connection to hoods and cells
- Connection to thermal cutting tables and more...

Product code: 656.67.2230

PERFORMANCE	
Fan	Radial aluminium
Motor power	2,2 kW
Electrical voltage	400 V AC / 50 Hz
Airflow capacity	max. 3500 m ³ /h
Fan speed	2880 rpm
Sound pressure	72 dbA (EN ISO 3476)
Dust bin, lt	
WxLxH (mm)	700 x 850 x 2371
Weight (approx), kg	300

FILTERS	
Main Filter	
Material	80% cellulose, 20% polyester
EN class	F9 (EN779:2012)
Washability	No
Surface coating	Nanofibre
Cleanability	Jet-pulse automatic
Surface area	2 x 12 m ²



CENTRAL FUME AND DUST EXTRACTION SYSTEMS



CP SERİSİ



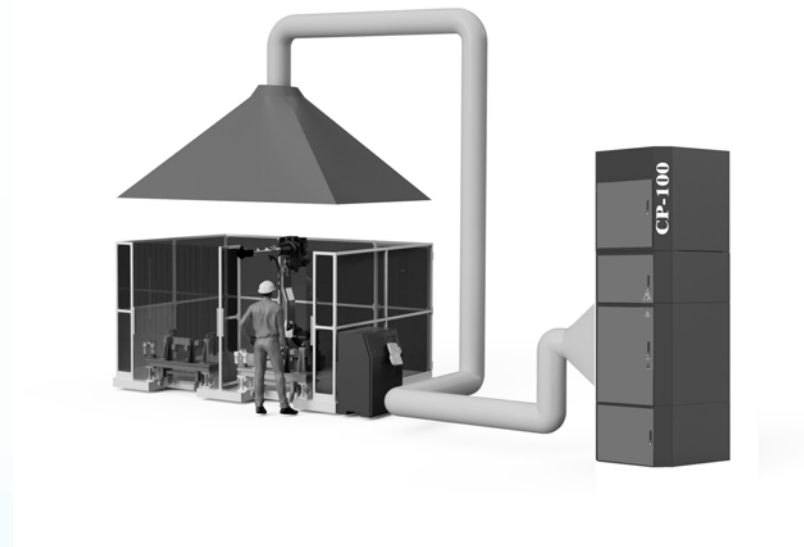
Our CP series units are specially designed to extract and filter fumes generated by plasma and laser cutting tables. Thanks to their compact structure, our CP series products are preferred as a central system for extracting a wide variety of dust and fumes. They can be used with various installation types against many different pollutants such as welding fumes, grinding dust, metal dust, plastic dust, paper and food dust, composite and fibre dust. These products are suitable for outdoor and indoor installations.

Example installation types:

- Push-Pull system
- Displacement (layered ventilation) system
- System compatible with acrobat arms
- Connection to grinding tables
- Connection to hoods and cells (e.g. welding robot stations)
- Connection to cutting tables
- and more...

Some applications:

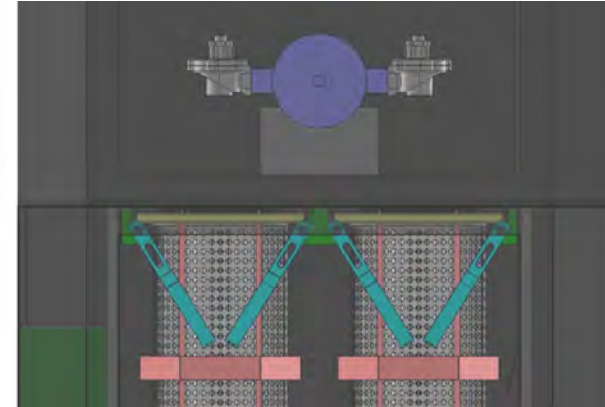
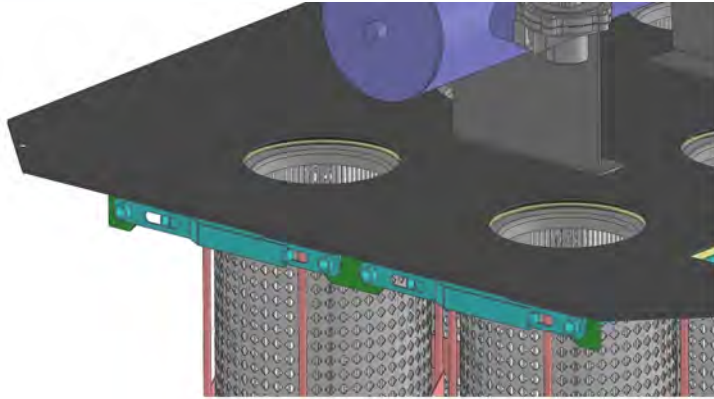
- Welding fumes
- Grinding dust
- Composite dusts
- Plastic dusts
- Metal dusts
- GRP-Fibre dusts
- Tobacco, paper, food processing dusts
- Oil vapours and emulsion vapours
- Laser and plasma cutting fumes
- Foundry industry
- Dental dusts
- Solder fumes
- and many other industrial pollutants



CENTRAL FUME AND DUST EXTRACTION SYSTEMS



CP SERIES



TEKNİK VERİ / TECHNICAL DATA	CP 40	CP 60	CP 80	CP 100
Şebeke / Mains supply	400 V / 50 - 60 Hz	400 V / 50 - 60 Hz	400 V / 50 - 60 Hz	400 V / 50 - 60 Hz
Maksimum debi / Maximum air flow	4.000 m ³ / saat • 4.000 m ³ /h	6.000 m ³ / saat • 6.000 m ³ /h	8.000 m ³ / saat • 8.000 m ³ /h	10.000 m ³ / saat • 10.000 m ³ /h
Maksimum filtre adeti / Max. filter qty	4	6	6	6
Max. filtre yüzeyi / Max. area of filter	100 m ²	150 m ²	150 m ²	150 m ²
Filtre temizleme / Filter cleaning	Jet Pulse	Jet Pulse	Jet Pulse	Jet Pulse
Son temizleme / Post cleaning	Evet / Yes	Evet / Yes	Evet / Yes	Evet / Yes
Kıvılcım tutucu / Spark arrester	Evet / Yes	Evet / Yes	Evet / Yes	Evet / Yes
Gövde / Body	Galvaniz çelik / Galvanised steel	Galvaniz çelik / Galvanised steel	Galvaniz çelik / Galvanised steel	Galvaniz çelik / Galvanised steel
Elektronik fan kont. / Electro. fan cont.	Opsiyonel / Optional	Opsiyonel / Optional	Opsiyonel / Optional	Opsiyonel / Optional
Gürültü seviyesi / Sound pressure	68 dbA	72 dbA	72 dbA	73 dbA
Su yalıtımı / Water proof	Evet / Yes	Evet / Yes	Evet / Yes	Evet / Yes
Ölçüler (U-G-Y) / Dimensions (L-W-H)	1280 / 1280/ 3510 mm	1280 / 1280/ 3510 mm	1280 / 1280/ 3510 mm	1280 / 1280/ 3510 mm
Toz kova kap. / Dust collector capacity	150 lt	150 lt	150 lt	150 lt
Test sertifikasyonu / Test certification	CE	CE	CE	CE

HALL VENTILATION SYSTEMS

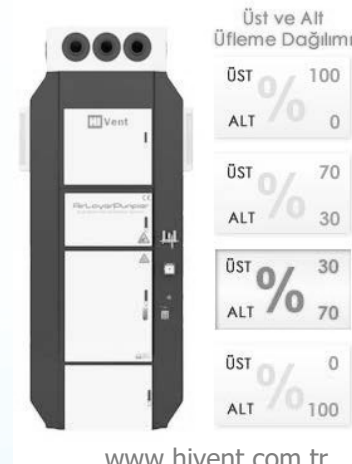
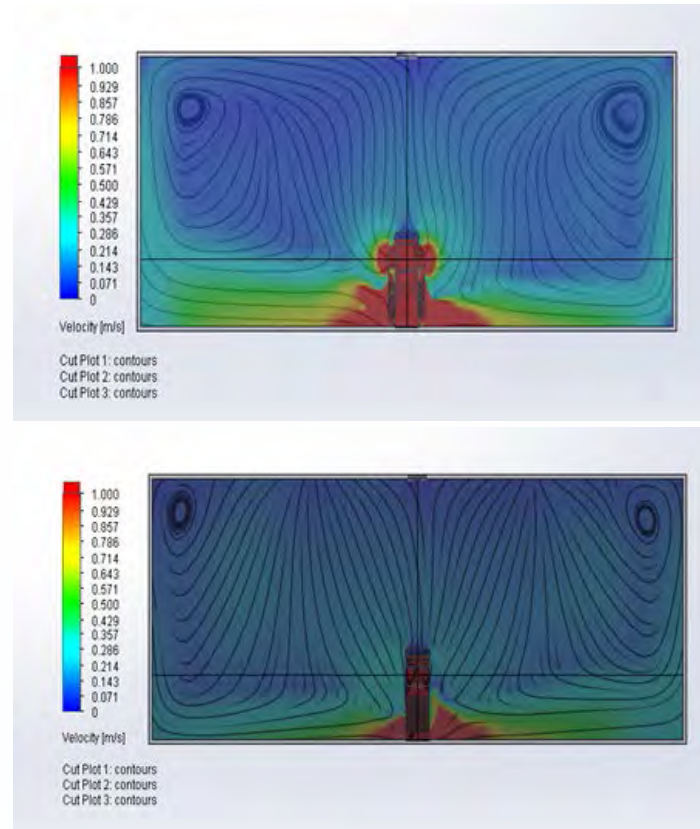
OHK 15

Innovative Hall Ventilation Filter Tower

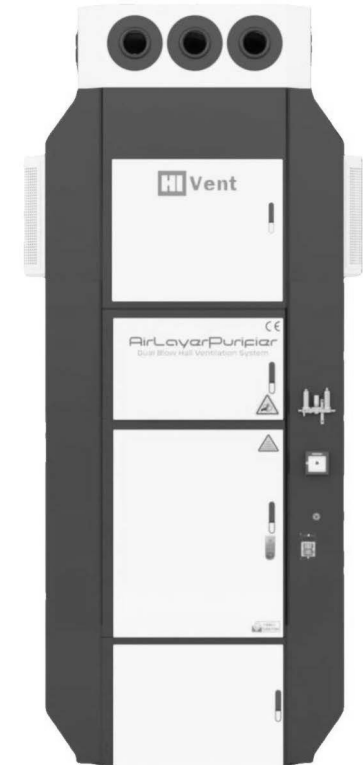
In large areas where welding is carried out, it is not always possible to extract and filter welding fumes and volatile dust using local extraction systems. For this reason, some companies around the world manufacture hall ventilation towers to ensure that the particle and gas density in the environment complies with occupational safety laws and regulations. Some of these towers use a method of sucking in particles from a lower level, filtering them, and blowing them out from a higher level, while some manufacturers suck in air from a higher level and return clean air to the work environment from below. The second method works on the same principle as layered ventilation or displacement ventilation systems and is more beneficial.

However, in this system, the cloud of fumes that accumulates above the towers may be visually disturbing to some users. And these particles that accumulate at high altitudes carry the risk of being scattered back into the environment. HiVent engineers studied the advantages and disadvantages of both systems for years and designed a hybrid system. In this system, for which a patent application has been filed, users can change the direction of the purified air returning to the environment whenever they want.

1. Completely from above
2. Completely from below
3. Or mixed in different proportions



HiVent



HALL VENTILATION SYSTEMS

OHK 15

We offer two models of our OHK15 filter tower.

Digital model: Features a 10.1" touchscreen. This model is equipped with particle and gas sensors, and the EC motor speed is automatically adjusted according to pollutant concentration.

Classic model: Does not have a screen. Sensors are also not available in this model. The control panel on the machine includes an on/off button, speed adjustment button, and a manual filter cleaning button for necessary situations.

Standard equipment in both models:

- Automatic jet pulse filter cleaning system
- EPA F9 nanofibre FR cartridge filters
- EC motor and composite fan technology
- Gas-type fire extinguishing system
- Cover safety switches
- Clean air blowing direction selection option

You can choose an EC motor and composite fan that offer much higher efficiency in our machine.

Efficiency η_{statA} : 65.7%

ErP class: 2015 | Integrated EC control unit

Current (IDP): 7.73 A

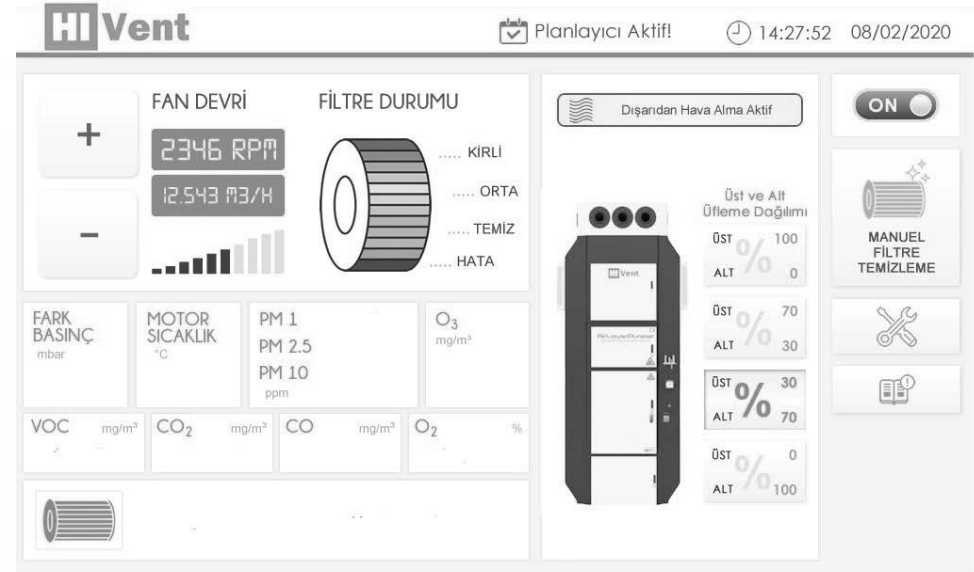
Electrical power input per fan (Psys): 5083 W

We prioritised safety when designing the product.

Despite the risk of fire from the filters, an automatic fire extinguishing system is included as standard in our product.

Since our fire suppression system is gas-based, it does not damage the machine and prevents reignition.

In the event of a fire, the system activates the fire algorithm and extinguishes the fire. The user simply replaces the filters damaged by the fire and continues operations.



TEKNİK VERİ • TECHNICAL DATA

Motor Gücü / Motor Power	10.5 kW (EC motor)
Şebeke / Mains supply	400 VAC - 50/60Hz
Maksimum debi / Maximum air flow	15,700 m³/h
Filtre yüzeyi / Area of filter cartridges	150 m²
Filtre temizleme / Filter cleaning	Jet Pulse
Toz çekmecesini / Dust drawer	110 litre / 110 liter
Basıncılı hava tüketimi / Compressed air consumption	80 litre/darbe • 80 liter/press
Gövde / Body	Galvaniz çelik / Galvanised steel
Filtre sayısı / Number of filters	6 adet/ 6 piece
Gürültü seviyesi / Sound pressure	~72 dbA
İşletme basıncı / Operating pressure	4-6 bar
Ölçüler (U-G-Y) / Dimensions (L-W-H)	1600-1200-4200 mm
Ağırlık / Weight	1500 kg
Test sertifikasyonu / Test certification	CE

HALL VENTILATION SYSTEMS



OHK 15

Total indoor air quality control concept

Users can monitor the amount of particles and gases in the environment via a 10.1" touch screen (digital model). The legal upper limits for these pollutants are pre-entered in the software and can be re-adjusted as required. When the pollutant level exceeds the specified value, users are alerted on the screen.

Thanks to the monitoring and control feature with PCs and mobile devices (version 2), managers can monitor the indoor air quality of the production hall in real time and save historical graphs and reports.

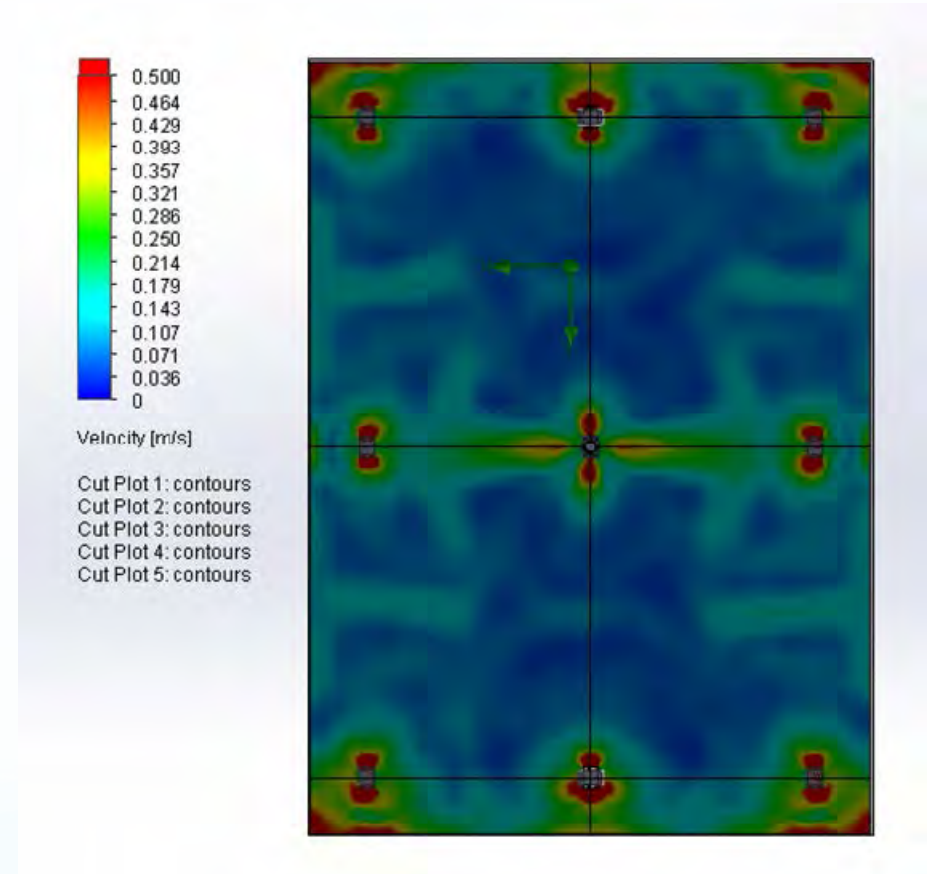
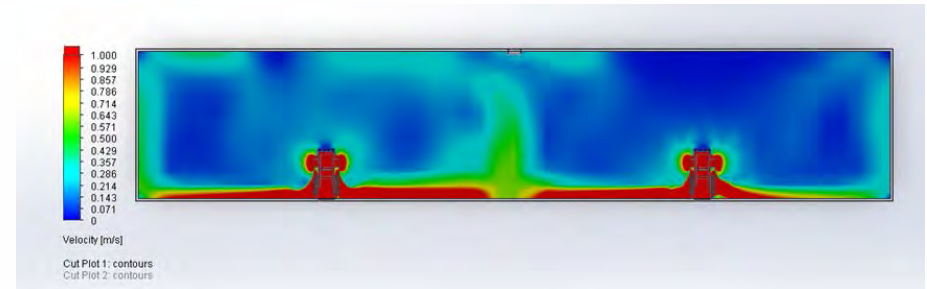
EC motor technology ensures higher efficiency with lower energy consumption.

Additionally, when particle density decreases, the motors automatically start operating at a lower speed, preventing unnecessary energy consumption. (Digital model)

To further reduce energy consumption, we have included a timer system as standard (Digital model). Simply set multiple opening and closing times for each day of the week. Has the oxygen level in the work area dropped below the legal limit? No problem; the external air intake feature will automatically activate (version 2).

Fumes and particles may be more concentrated in certain areas of the work area. In this case, our OHK15 towers can communicate with each other and cooperate. While the tower in the area with fewer particles operates at low speed, the other tower starts operating at maximum speed to help. The tower requesting assistance switches to the upper blowing option and directs the blowing nozzles towards the assisting tower, pushing the excess fumes towards that tower. This ensures more efficient hall cleaning and extends the filter life of towers exposed to dense particles.

A true team effort... (version 2)



HALL VENTILATION SYSTEMS



HiS

Innovative Room Ventilation Concept

R&D work was carried out entirely within our company.

The system filters all volatile particles generated in production areas to prevent them from spreading and ensures that the ambient air is breathable.

HiS, which absorbs and filters the polluted air in the environment, complies with the displacement ventilation principle by returning part of the cleaned air to the environment at very low speeds at ground level. Part of the cleaned air is blown towards the other HiS unit through jet nozzles, ensuring the continuous mobilisation of volatile particles.

Each HiS unit has a 1.3 kW EC motor.

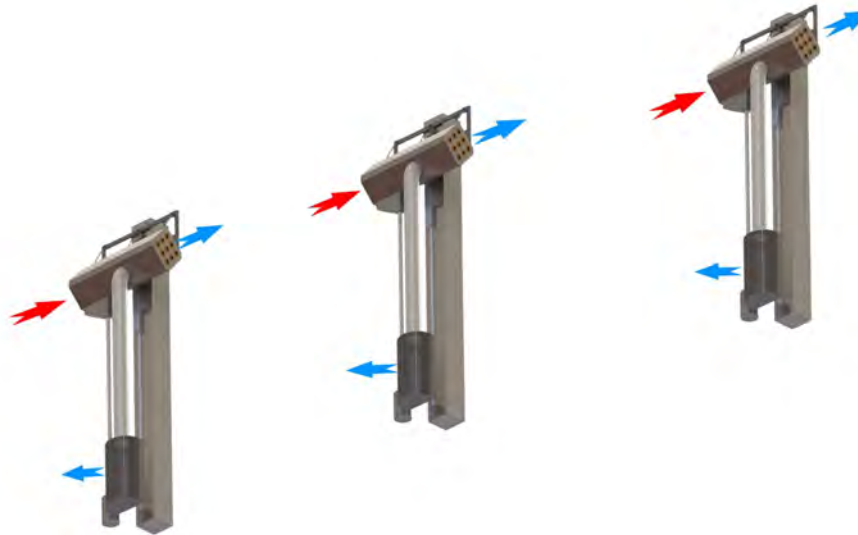
A composite fan is available that produces a maximum flow rate of 5000 m³/hour.

Nanofibre-coated cartridge filters are at least F9 class. The filter cleaning system is fully automatic.

All units can be controlled from a single computer. Thanks to the user-friendly and easy interface, data from sensors can be monitored and reported. Each HiS automatically adjusts the air flow rate according to the pollution level.

The HERD main unit is mounted on columns and walls inside the factory, at a height of 4-5 meters above the floor. This height is ideal for capturing welding fume particles more easily.

Each HERD unit is placed at intervals of approximately 13-15 meters. The HERD unit filters the dirty air and pushes part of the clean air towards the other HERD unit with jet nozzles.



HALL VENTILATION SYSTEMS



HiS

Avoid pipe and duct work and costs

It saves time and money spent on installing numerous pipes/channels and connection equipment in traditional piped systems. In addition, the pipe channel maintenance process is eliminated.

Does not take up space

HiS is not installed on the factory floor. Therefore, it does not cause unnecessary space loss in work areas. Only the clean air diffuser and dust container are located on the floor.

High efficiency and low energy consumption

EC motor technology ensures maximum efficiency at all times while keeping energy consumption to a minimum.

Flexible usage

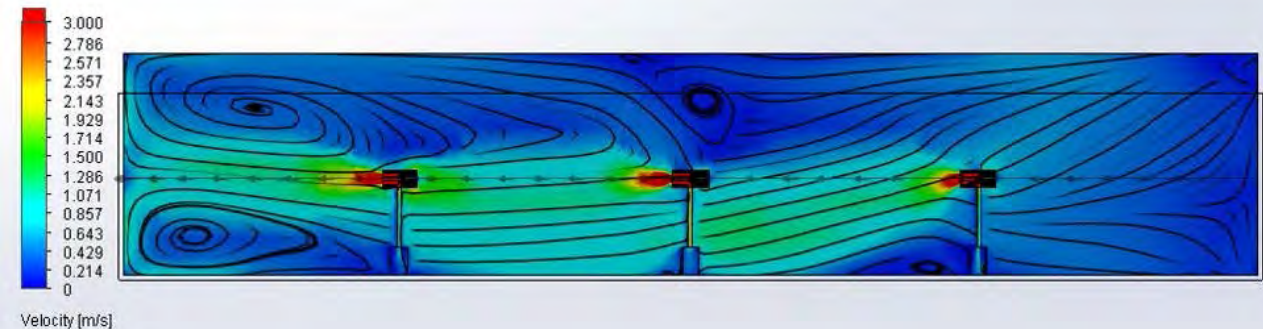
Clean air blowing rates are completely user-controlled. This allows for flexible use according to different needs.

Always clean air

When supplied in the correct quantity and correctly positioned, it cleans the air in the production hall in accordance with international standards and regulations.

Saving on heating costs

Thanks to the online ventilation system, heated air is not expelled outside. It provides savings of up to 70% compared to traditional extraction systems.



HIGH VACUUM DUST AND FUME FILTERS



MH 25

Our MH25 filter unit is designed to be compact. It can be used with welding torches that have fume extraction features or with small-diameter extraction nozzles. Our portable model is economically priced.

The 50 mm diameter flexible hose connection socket, with diameter reduction equipment, also allows the use of smaller diameter hoses. Our product comes standard with a disposable HEPA main filter, a metal mesh filter to trap debris, and an activated carbon impregnated fibre odour filter.



Product code : 656.98.6425

PERFORMANCE

Blower	1,1 kW - 230 V 50 Hz DC brushed motor
Max. Air power	414 W
Max. Air flow	252 m ³ /h
Max. Pressure	22 kPa
WxLxH (mm)	619 x 440 x 462
Weight, kg	15
Hose connection	1 x 50 mm

FILTERS

Main Filter

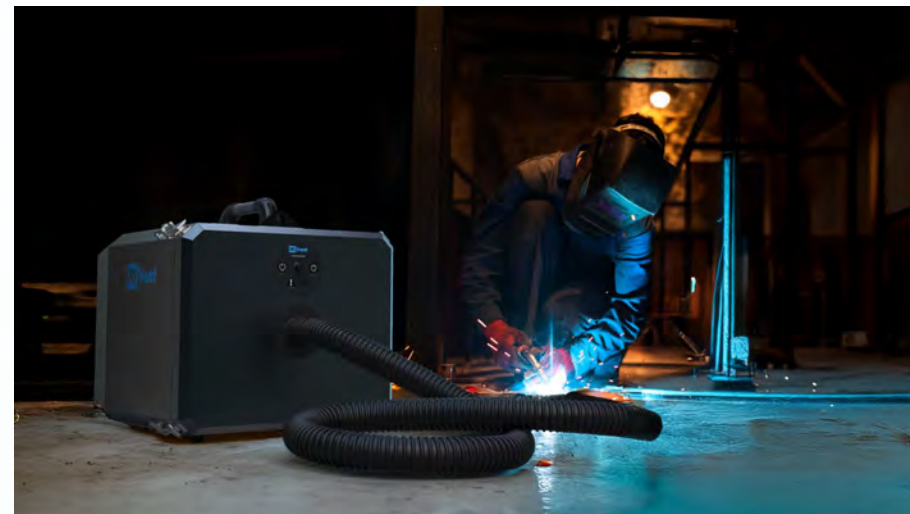
Material	Glass fibre
EN class	H13 (EN779:2012)
Washability	No

Metal Mesh Filter

Material	Galvanised or stainless steel
EN class	G2 (EN779:2012)
Washability	Yes

Activated Carbon Filter

Washability	No
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HIGH VACUUM DUST AND FUME FILTERS

KH 30

HiVent KH30; our filter unit is designed with a compact structure. It can be used with welding torches with fume extraction features or extraction nozzles. Our mobile model is of professional quality. It is possible to connect 2 torches at the same time. This product is also ideal for welding robot torches..

Flexible hose connection sockets with a diameter of 50 mm, with diameter reduction equipment, also allow the use of smaller diameter hoses.

Our product comes standard with a cleanable F9 nanofibre cartridge filter and jet-pulse filter cleaning system. Air flow is automatically adjusted according to filter saturation. It features automatic on/off functionality, fan speed adjustment, and a pressure monitoring display.

Product code: 656.98.5430

PERFORMANCE

Blower	1,1 kW - 230 V 50 Hz EC motor
Max. Air power	370 W
Max. Air flow	205 m³/saat
Max. Pressure	22,6 kPa
WxLxH (mm)	420 x 566 x 1033
Weight, kg	45
Hose connection	2 x 50 mm

FILTERS

Main Filter

Material	Cam elyaf
EN class	H13 (EN779:2012)
Washability	No

Activated Carbon Filter

Material	Pellet
Frame	Galvanised steel
Washability	No



HiVent



NOTES

NOTES



YOUR SOLUTION PARTNER IN INDUSTRIAL FUME AND DUST EXTRACTION SYSTEMS.



The product data and images in this catalogue may differ from those offered for sale. HiVent reserves the right to change product details without prior notice and is not responsible for any printing errors that may appear in the catalogue.

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