



ABSAUGWERK

WET SEPARATOR
W SERIES

ABOUT ABSAUGWERK

ABSAUGWERK stands for high-quality extraction solutions for the protection of people, machines and the environment in the manufacturing industries. We are proud that with our systems, we make workplaces safer and cleaner. Hence, we not only actively contribute to the protection of employees, but also increase the service lives of machine parks and significantly reduce environmental impacts.

Our product portfolio ranges from industrial deduster, fume filter, oil mist separator and wet separator right up to complete production hall ventilation systems. Numerous capturing elements such as extraction arms, extraction tables, hoods and many more products complement our product range. We specially match the flexible components of our systems to the requirements of our customers and so deliver optimum solutions for virtually every process and every material. Our many years of experience in extraction technology is the foundation of our know-how and of our process and application knowledge.

In order to guarantee the quality of our high-end systems, we manufacture our units in our own factory and manage the entire service chain from the first consultation and planning right up the installation of pipe systems and after-sales services such as maintenance or filter replacement.

The care of our network is a personal matter of concern to us and the basis for a trustful and longstanding partnership. The appreciation of our partners is the highest award for us and validates us in our daily activities.

»People are always our main focus, be it as customer, partner or employee.«



MICHAEL WERZ | Managing Director

CONTENTS

About ABSAUGWERK	1
◀.....▶	
WET SEPARATOR SERIES W	3
Highlights	5
Technical specifications	6
Unit components	8
Explosion Protection	11
Fire Protection	13
Noise Protection	15
.....▶	
Service & Distribution	17
Quality & the Environment	21
Costumer reference	23
Training & Partnership	25

WET SEPARATOR SERIES W

Wet separators of the W series have been specially designed for the separation of materials, which during processing produce flying sparks, are flammable or even explosive (ATEX).

The materials are bound in a water vortex and can be discharged via a container, ball valve or automatic discharge. Any small particles still present are completely captured by further filter stages and the purified air can be returned back into the hall or outside.

Wet separators of the W series are individually configurable due to their different sizes and variety of executions and thus can be optimally adapted to the respective process.

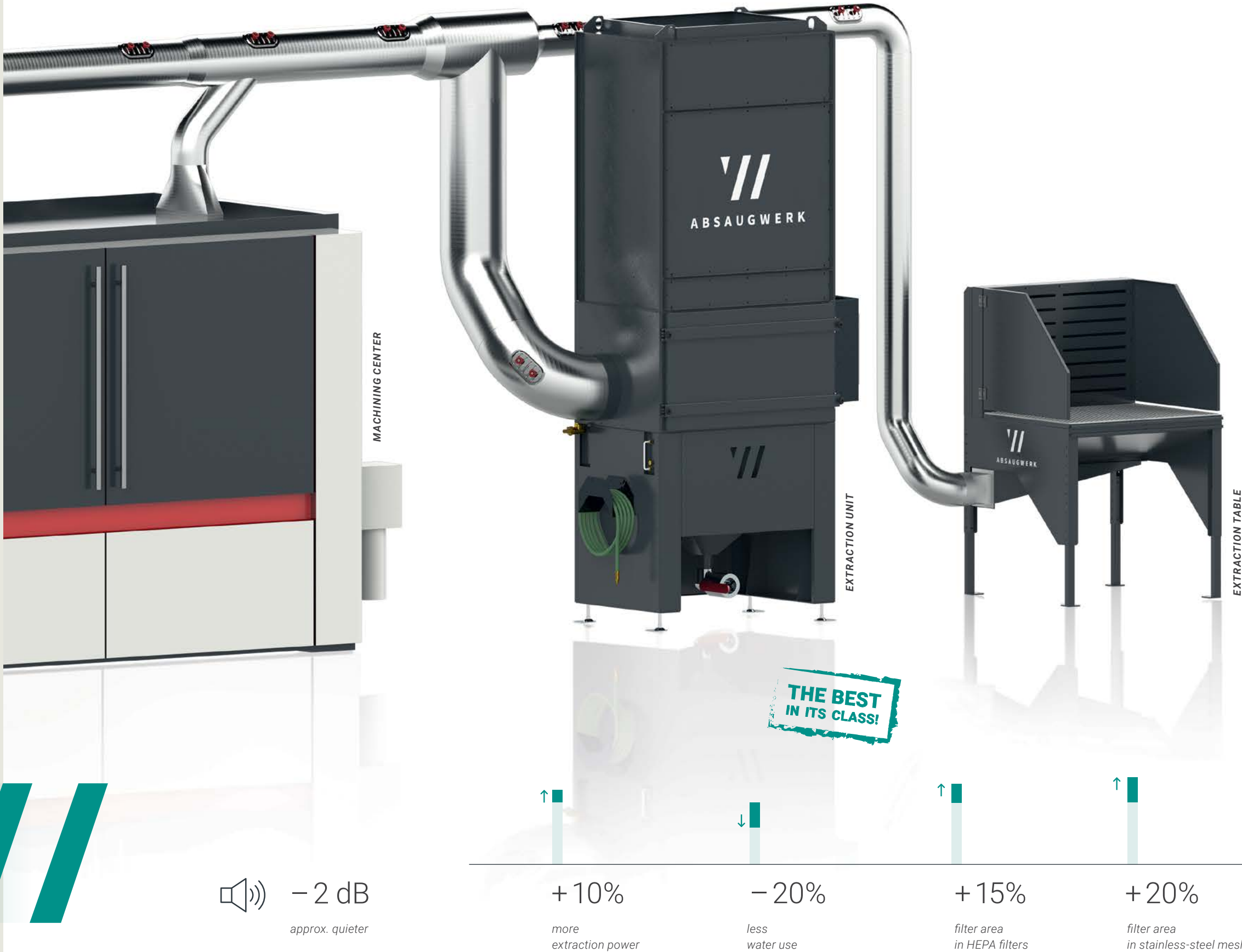
PROCESSES

- Grinding
- Polishing
- Separating
- Cutting
- Sawing

MATERIAL

- Dust
- Chips

PERFORMANCE
1.1–22 kW
2,400–16,000 m³/h



Highlights

MOST EFFECTIVE PRODUCT IN ITS CLASS

INDIVIDUAL CONFIGURATION WITH NUMEROUS OPTIONS

ATEX-COMPLIANT CONSTRUCTION

LOW ENERGY AND WATER USE THANKS TO INNOVATIVE TECHNOLOGY

LOW OPERATING AND SUBSEQUENT COSTS

HIGH QUALITY, DURABLE FILTER COMPONENTS

PARTS IN CONTACT WITH WATER MADE OF STAINLESS-STEEL

RECIRCULATION MODE FOR CARCINOGENIC SUBSTANCES

RECIRCULATION OR EXHAUST AIR MODE CAN BE VARIED WITHOUT RETROFITTING



Link to the wet separator product video
[ABSAUGWERK.com/Nassabscheider](https://www.absaugwerk.com/Nassabscheider)

TECHNICAL SPECIFICATIONS

FILTER

- Specially developed stainless-steel metal mesh
- Multi-layer structure for the highest degree of separation
- Robust quality filters
- Long filter service lifetime

DISCHARGE

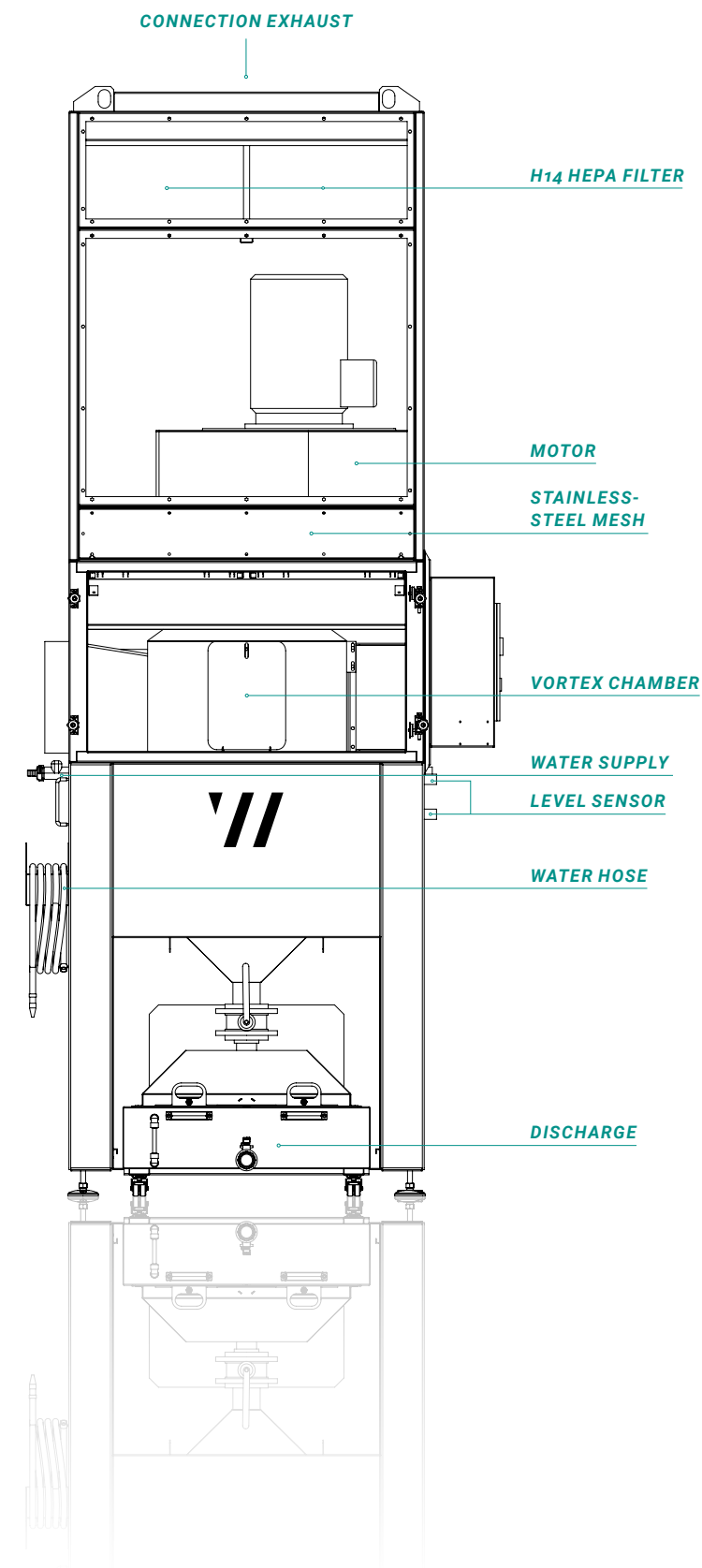
- Containers in different sizes
- Pinch valve
- Ball valve
- Gate valve manual / electric / pneumatic
- Continuous discharge systems
- Special discharge

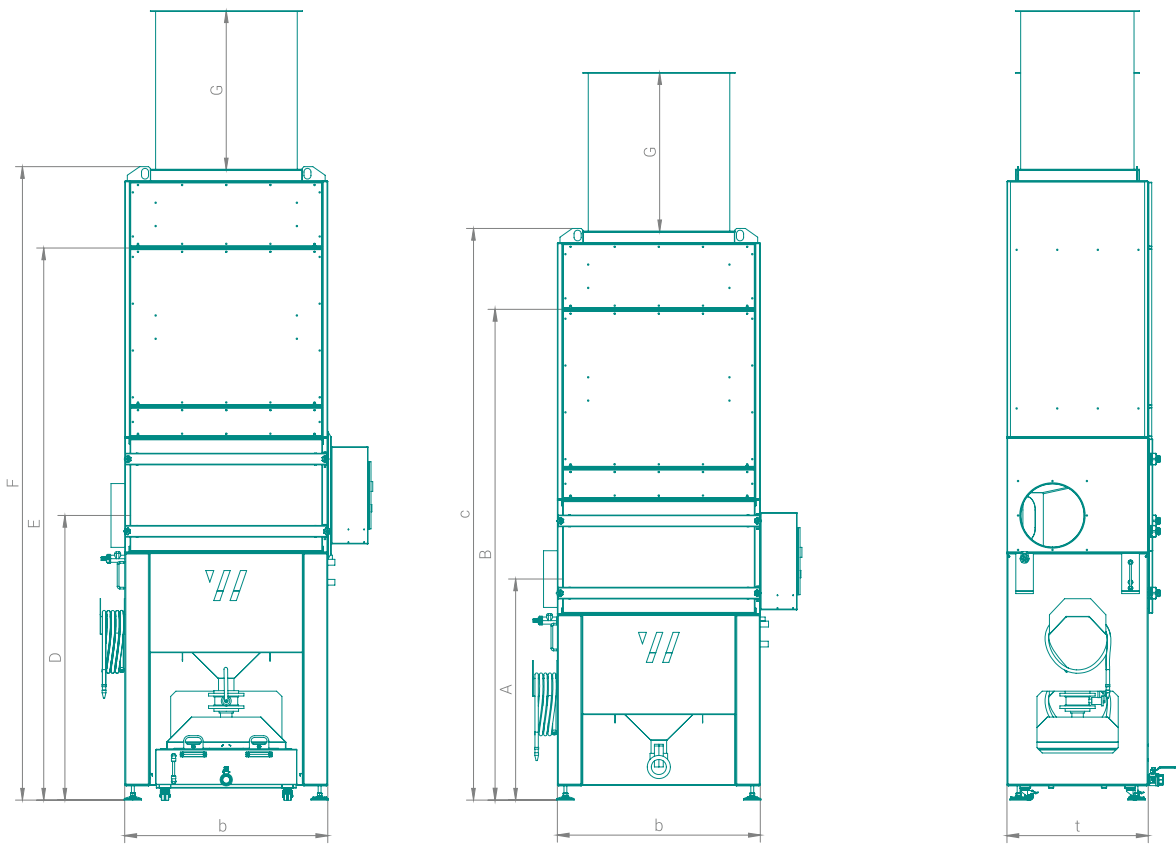
CAPTURING

- Extraction arm
- Extraction table
- Extraction hood
- Machine connection
- Special capturing

OPTIONS

- H14 HEPA filters for carcinogenic substances in recirculation mode
- ATEX-execution for explosive media
- Carbon filter
- Versatile noise protection
- Multilingual SIEMENS LOGO!™ control
- Stainless-steel execution
- Individual unit branding and color





WET SEPARATOR SERIES W		W 1000	W 2000	W 2000	W 3000	W 3000	W 3000	W 3000	W 4000	W 4000	W 4000
Connection voltage	V	400									
Frequency	Hz	50									
Type of current	Ph	3									
Engine power	kW	1.1	2.2	3	4	5.5	7.5	11	15	18.5	22
Backup fuse	A	16	16	16	20	25	32	50	50	50	60
Fan power max.	m³/h	2,400	3,500	4,500	6,000	7,000	8,500	10,000	13,000	15,000	16,000
Vacuum max.	Pa	2,000	2,500	3,000	3,800	4,000	4,800	5,000	6,100	6,500	7,000
Connection diameter	mm	100	180	180	250	315	315	355	400	400	450
Width	mm	550	650	650	1,150	1,150	1,150	1,150	1,150	1,150	1,150
Depth	mm	650	800	800	800	800	800	800	1,300	1,300	1,300
Height A (Cone)	mm	900	1,025	1,025	1,250	1,250	1,250	1,250	1,545	1,545	1,545
Height B (Cone)	mm	1,975	2,385	2,385	2,835	2,835	2,835	2,955	3,395	3,395	3,395
Height C (Cone + H14)	mm	2,390	2,685	2,685	3,035	3,035	3,035	3,255	3,810	3,810	3,810
Height D (Container)	mm	–	1,355	1,355	1,615	1,615	1,615	1,615	1,780	1,780	1,780
Height E (Container)	mm	–	2,730	2,730	3,185	3,185	3,185	3,300	3,665	3,665	3,665
Height F (Container + H14)	mm	–	3,015	3,015	3,385	3,385	3,385	3,600	3,915	3,915	3,915
Height G (Splitter silencer)	mm	+800	+1,000	+1,000	+1,000	+1,000	+1,000	+1,000	+1,000	+1,000	+1,000
Opening radius door R	mm	450	650	650	1,150	1,150	1,150	1,150	1,150	1,150	1,150
Weight empty (approx.)	kg	300	380	390	525	580	600	600	650	700	750
Weight with water (approx.)	kg	650	730	740	875	930	950	950	1,000	1,050	1,100
Sound pressure level (approx.)	dB (A)	75	75	75	78	78	78	78	79	79	79
Incoming air ambient temp.	°C	5–40									
Incoming air humidity	%	70									
Water connection DN	mm	25									
Operating point water pressure	bar	1–6									

TECHNICAL SPECIFICATIONS as of 28.04.2021 | subject to changes

UNIT COMPONENTS

Extraction units from ABSAUGWERK are characterized by their precisely fitted and energy-saving construction. IN order to provide the optimal extrac- tion system for your application, our portfolio is supplemented by numerous components such as capturing elements, precoat units, pipe systems and other accessories.

TOP HOODS

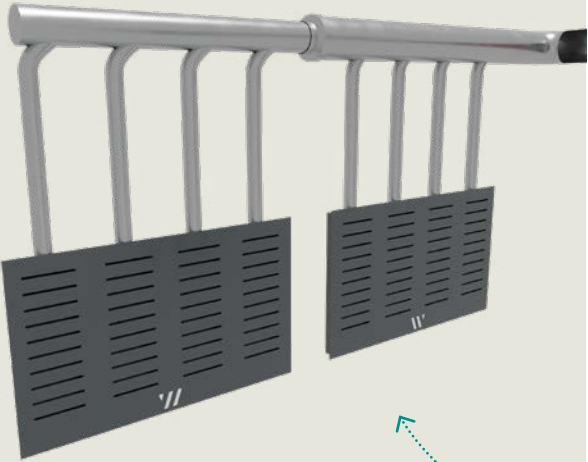
Top hoods are used for ascending media with small particle sizes such as smoke.

UNDER HOODS

Under hoods are used on grinding or sawing machines when material such as chips or dust falls down and needs to be extracted.

SIDE HOODS

Side hoods in the standard execution are available as rectangular hoods and can be delivered open or with various protective/deflector plates.



Our extraction hoods are available in numerous sizes and can be individually configurable.

Extraction hood

SELECTIVE EXTRACTION

Extraction arms are used for selective extraction in processes such as welding. They extract re- leased media such as dust, smoke or fumes directly at the point of origin. The low resistance and the flow-optimized construction prevent any deposits and guarantee maximum efficiency without loss of extraction power.

The ergonomic design with a sturdy handle makes use comfortable. The easily guided joints ensure maximum flexibility and a large radius of action. The arms are available in various lengths and dia- meters.



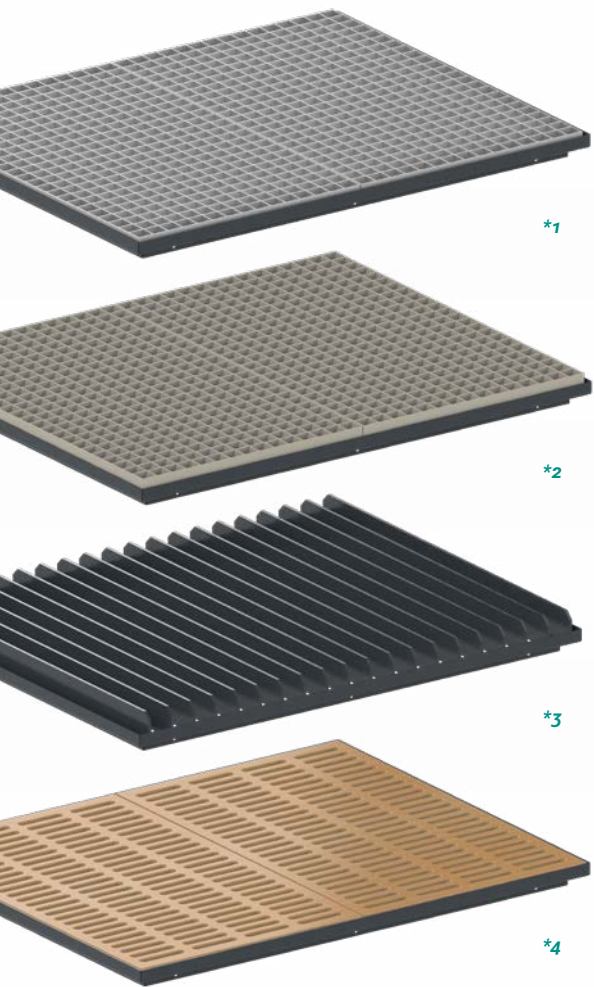
Extraction arm

Extraction table

CAPTURING OF DUST, SMOKE AND CHIPS

Extraction tables are used as workbenches for work such as grinding, sawing or welding and capture media such as dust, smoke or chips safely and efficiently. Coarse materials such as chips fall straight down into a discharge container. Fine particles such as dust and smoke are captured via the extraction walls and are filtered in an extraction system. The flow-optimized design prevents deposits in the cone and reduces energy costs to a minimum.

The tables are ergonomically designed and come in various sizes with numerous options such as lighting, wheels, overlays and much more. The extensive legroom and hydraulic height adjustment make the extraction table of the WT series your comfortable workbench for clean processing of your work.



- ERGONOMIC WORKBENCH (HEIGHT-ADJUSTABLE)
- MAXIMUM WORK COMFORT AND EXTENSIVE LEG ROOM
- IDEAL FOR SMALL BATCHES OR PARTS WITH SPECIAL DIMENSIONS
- FLEXIBLE HINGED SIDE WALLS
- EASY DISPOSAL OF DISCHARGE
- INDIVIDUALLY CONFIGURABLE AND EXTENDABLE
- VARIOUS OVERLAYS
- QUALITY MADE IN GERMANY



OPTIONS

- Mobile with wheels
- LED lighting (also in ATEX execution)
- Vice holder
- Hydraulic height adjustment
- Extraction via the rear wall or side wall
- Tool holder

OVERLAYS

- Grating¹
- Plastic²
- Plasma³
- Wood⁴

Cleanbox

SAFE CLEANING OF FILTERS

Stainless-steel mesh filters are filters that are used in wet separators to separate the swirled-up water droplets and mist. This keeps water consumption and humidity in the production facility as low as possible.

Regular cleaning with a conventional high-pressure cleaner can significantly increase the service life of our metal mesh filters and reduce operating costs. To wash the filter safely and free it of dust and chips, we have designed a convenient solution, the Cleanbox. The filters are clamped in using lockable latches, cleaned and can be conveniently dried on grids. The removable back and side walls prevent any water from splashing during cleaning and keep employees and production facilities clean and dry.



TECHNICAL SPECIFICATIONS

- 1,420 x 800 x 450 mm (WxHxD)
- Suitable for all metal mesh filters up to 1,200 x 500 mm
- 25 L water capacity
- All parts in contact with water are made of stainless-steel
- Water drainage connection DN20
- Can be completely dismantled to 1,500 x 300 x 500 mm (WxHxD)

- SPLASH PROTECTION FOR EMPLOYEES AND PRODUCTION
- SAFE DISPOSAL OF BOUND SUBSTANCES
- SUITABLE FOR METAL MESH FILTERS FROM ALL MANUFACTURERS
- LOCKABLE TENSION LATCHES FOR OPTIMAL HOLD
- REMOVABLE REAR SIDE PANELS
- COMPACT DESIGN
- CAN BE COMPLETELY DISMANTLED
- MOBILE

PIPE SYSTEMS

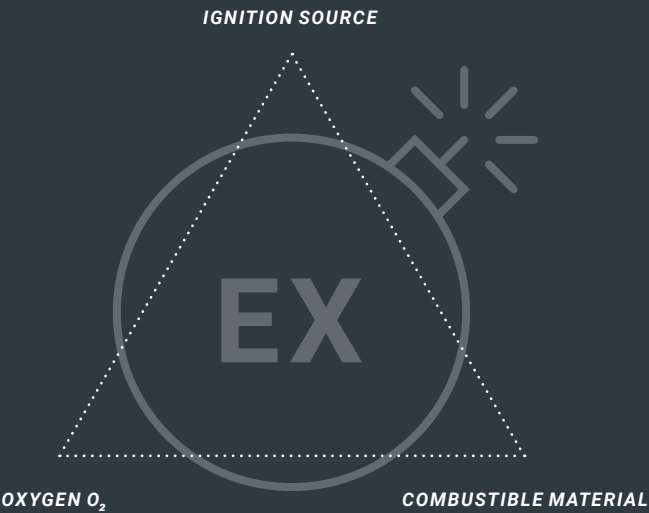
In addition to an effective extraction system, the properties of the pipe system also have a high influence on air performance, operational safety and subsequent costs. If dust or chips are deposited in the pipe, the performance is significantly reduced, and the risk of fire increases considerably. When designing your pipe system, we therefore take numerous parameters into account and offer you the most economical option.

SYSTEMS

- Spiral duct
- Flanged spiral ducts
- Flanged straight-seam pipes
- Straight-weld (steel) pipes with rim

EXPLOSION PROTECTION

In many commercial and industrial sectors, flammable and explosive media in the form of gas, vapour, mist or dust are released in production processes. In the right mix ratio with oxygen and an effective ignition source, these substances can trigger serious fires and violent explosions. Through these, people can be injured, building and system parts can be damaged and other flammable substances ignited.



STATUTORY REGULATIONS

Within the European Union, all matters and special features regarding explosion protection are specified in the so-called ATEX Directives. The Directives distinguish between manufacturers and operating companies and must be complied with by both parties in order to ensure safe operation and to satisfy occupational health and safety requirements. When designing our extraction systems, we include all the relevant parameters, evaluate them in accordance with the statutory regulations and so manufacture ATEX-conforming systems for every specific application.

EC DIRECTIVE	2014/34/EU (ATEX 114)	1999/92 EG (ATEX 137)
Affected Party	Manufacturer	Operating Company
Implementation in Germany	Explosion Protection Product Regulation (11. ProdSV)	As part of the Occupational Health and Safety Regulation (BetrSichV), in force since 03.10.2002, the Hazardous Substances Ordinance (GefStoffV)

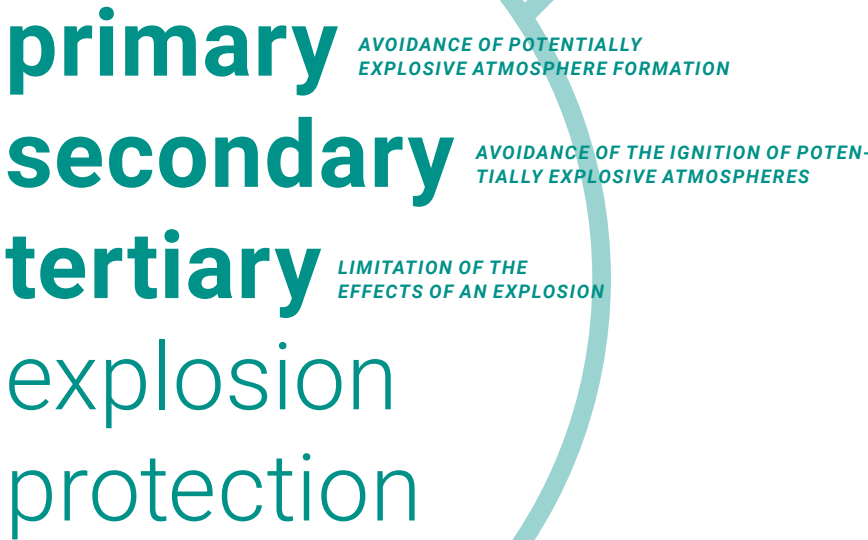
- COST SAVINGS UP TO 50%
- LOW OPERATING AND CONSEQUENTIAL COSTS
- MAXIMUM SUCTION PERFORMANCE
- MAXIMUM SEPARATION RATE
- SAFE OPERATION
- AUTOMATIC EXTINGUISHING SYSTEM
- HIGHEST QUALITY STANDARDS
- INSTALLATION IN INDOOR AREAS

EXPLOSION PROTECTION TECHNOLOGY FROM ABSAUGWERK

PRIMARY EXPLOSION PROTECTION
The design principle for our systems is based on primary explosion protection which preventively avoids the formation of potentially explosive atmospheres. We achieve this through a maximum separation rate at constant suction performance, high air speeds in the system and ATEX-compliant components. Despite these measures, should a spark get into the filter unit, a fire extinguishing agent injection is activated automatically by a spark sensor and the system is switched off.

UP TO 50% COST SAVINGS IN PRODUCTION
Through the elimination of conventional, more expensive explosion protection components such as bursting discs, fast-closing slide valves or non-return valves, we can produce our systems at up to 50% lower cost and reduce your operating costs. In doing so, our focus is on the highest efficiency and quality in order to reliably protect your employees and to guarantee you an economic investment.

- ATEX COMPONENTS**
- Pre-separators
 - Spark detection
 - Automatic extinguishing agent injection
 - Air speed in the pipe at minimum > 20 m/s
 - Automatic switching off
 - Negative pressure and volumetric flow monitoring
 - Motor in accordance with ATEX Zone 22
 - Construction ignition source-free and conductive
 - No ex-zones during operation
 - All electrical components installed ATEX-compliant
 - Electrical cabinet outside the system



FIRE PROTECTION

Fires occur through the combination of oxygen, an ignition source and flammable material and, in contrast to explosions, often cannot be immediately recognized. Through deposits in the pipe system, or on the equipment itself, dangerous smouldering embers can occur that do not immediately form high columns of smoke and can remain unnoticed for a long time. For this reason, preventative fire protection measures as well as effective monitoring and extinguishing systems are mandatory.

POSSIBLE IGNITION SOURCES

Flames, sparks, electricity, hot surfaces, gases, particles, spontaneous combustion, exothermic reactions

COMBUSTION BEHAVIOUR OF SUBSTANCES

The combustion behaviour is specified as a combustion factor (CF) from one to six and allows a rough estimate of how dust deposits can ignite and behave after ignition.

- CF 1: No burning (table salt)
- CF 2: Brief burning and quick extinction (tartaric acid)
- CF 3: Local burning or smouldering without spreading (lactose)
- CF 4: Spreading of a smouldering fire (tobacco)
- CF 5: Spreading of an open fire (sulphur)
- CF 6: Deflagration-type burning (black powder)

STATUTORY REGULATIONS

Within the scope of production and occupational health and safety, the responsibility for fire protection measures rests solely with the operating company as there are no clear regulations here. In this respect, we would be pleased to offer you individual advice and recommend the use of an effective extraction system from ABSAUGWERK.

REGULATION		AFFECTED PARTY
DIN EN ISO 19353:2019-06	Safety of Machinery – Fire Prevention and Fire Protection	Operating Company
VDI 2263 Sheet 6	Dust Fire and Explosion Protection in Dust Extracting Installations	Operating Company
VDS 3445	Fire Protection in Dust Extracting Installations	Operating Company
TRGS 800	Fire Protection Measures	Betreiber

- COST SAVINGS UP TO 50%
- LOW OPERATING AND CONSEQUENTIAL COSTS
- MAXIMUM SUCTION PERFORMANCE
- MAXIMUM SEPARATION RATE
- SAFE OPERATION
- AUTOMATIC EXTINGUISHING SYSTEM
- HIGHEST QUALITY STANDARDS
- SUITABLE FOR LARGE AMOUNTS OF DUST

FIRE PROTECTION TECHNOLOGY FROM ABSAUGWERK

The design principle for our systems is based on preventative fire protection which pro-actively monitors and eliminates the sources of fires. We achieve this through a maximum separation rate at constant suction performance, high air speeds in the system and special fire protection components. Despite these measures, should a spark get into the filter unit, a fire extinguishing agent injection is activated automatically by a spark sensor and the system is switched off.

FIRE PROTECTION COMPONENTS

- Pre-separators
- Spark detection
- Automatic extinguishing agent injection
- Air speed in the pipe at minimum > 20 m/s
- Automatic switching off
- Negative pressure and volumetric flow monitoring
- Temperature detectors (optical, thermal)
- Slide gate valves
- Extinguishing flaps (manual extinguishing)
- C-connection for flooding
- Construction ignition source-free and conductive



Checklist for Safe Operation

- ☐ A hazard assessment by an accredited fire and explosion protection expert body (TÜV, DEKRA, Versicherung)
- ☐ Extraction system with spark detection, automatic extinguishing agent injection, smoke detectors and an extinguishing flap for manual extinguishing
- ☐ Availability of instructions for behaviour in the event of a fire
- ☐ Operation of the systems by trained personnel only
- ☐ Regular fire drills
- ☐ Availability of a replacement fire extinguisher
- ☐ Annual servicing and cleaning of the system
- ☐ Regular emptying of the discharge

NOISE PROTECTION

In order to counteract the adverse effects of noise and to protect the employees, operating companies must observe various regulations. The Workplaces Ordinance states that the sound pressure level in workplaces must be kept as low as is possible in accordance with the nature of the operation, the state-of-the-art and ergonomic knowledge. The sound pressure level must be reduced to such a level that no adverse effects to the health of the employees occur.

THRESHOLD VALUES & ACTIONS

A daily noise exposure level LEX, 8h from 80 dB(A) or a peak sound pressure level LpCpeak from 135 dB(C) requires:

- Information for the employees (on reaching the action value)
- The provision of hearing protection (on exceeding the action value)
- The provision of occupational medical preventive care (on exceeding the action value)

Applicable from a daily noise exposure level LEX, 8h from 85 dB(A) or a peak sound pressure level LpCpeak from 137 dB(C) are:

- Compulsory wearing of hearing protection (on reaching the action value)
- Provision of occupational medical preventive care (obligatory provision on reaching the action value)
- Identification of noisy areas (on exceeding the action value)
- Establishment of a noise reduction programme (on exceeding the action value)

STATUTORY REGULATIONS

Workplaces Ordinance
(ArbStättV)

Noise and Vibration Health & Safety Regulation
(LärmVibrationsArbSchV)

Technical Rules for the Noise and
Vibration Health & Safety Regulation
(TRLV Lärm)

OPTIMIZED FLOW GEOMETRY IN
THE COMPRESSOR

COMPRESSOR WITH MAXIMUM
QUIET RUNNING

MAXIMUM SUCTION POWER WITH LOW
ENERGY CONSUMPTION

MINIMAL RESISTANCE IN THE FILTERS
AND VORTEX CHAMBER

MAXIMUM FILTER SURFACE AREA

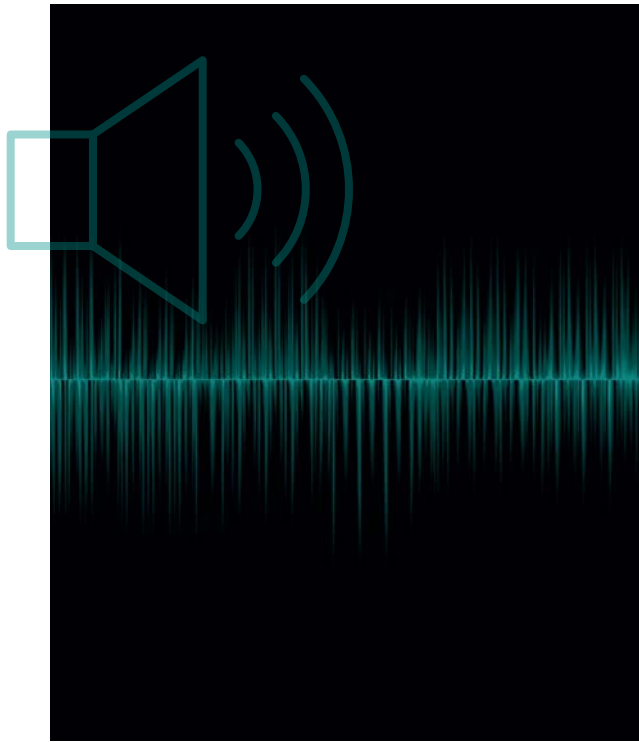
MAXIMALE FILTERFLÄCHE

NOISE PROTECTION TECHNOLOGY FROM ABSAUGWERK

In order to protect your employees against damage to their health and to guarantee problem-free operation, our extraction systems are designed as low noise and can be complemented with various sound insulation components. Thus, we can achieve a noise exposure level that lies considerably below the threshold value.

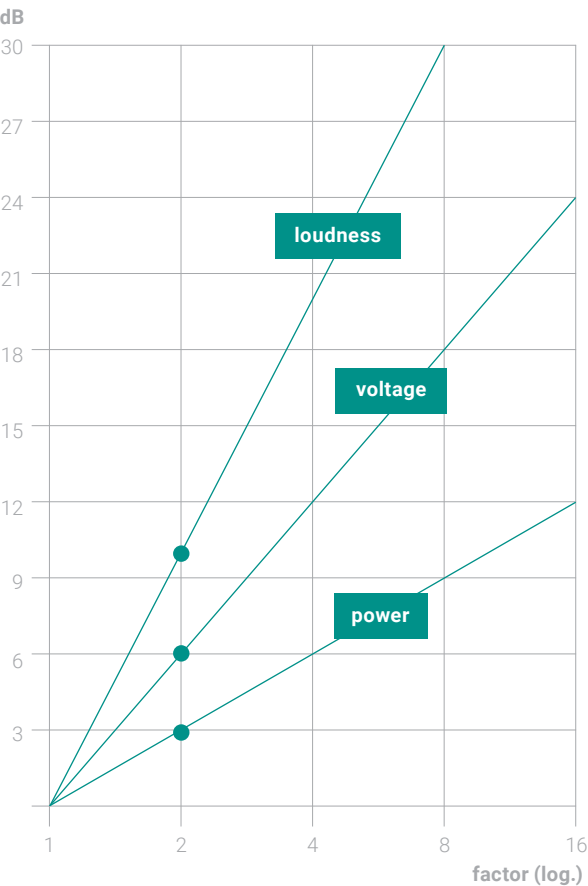
SOUND INSULATION COMPONENTS

- Splitter silencers
- Duct silencers
- Machine housing
- Sound insulation cabins



LEVELS IN DECIBELS AND THEIR VARIOUS FACTORS

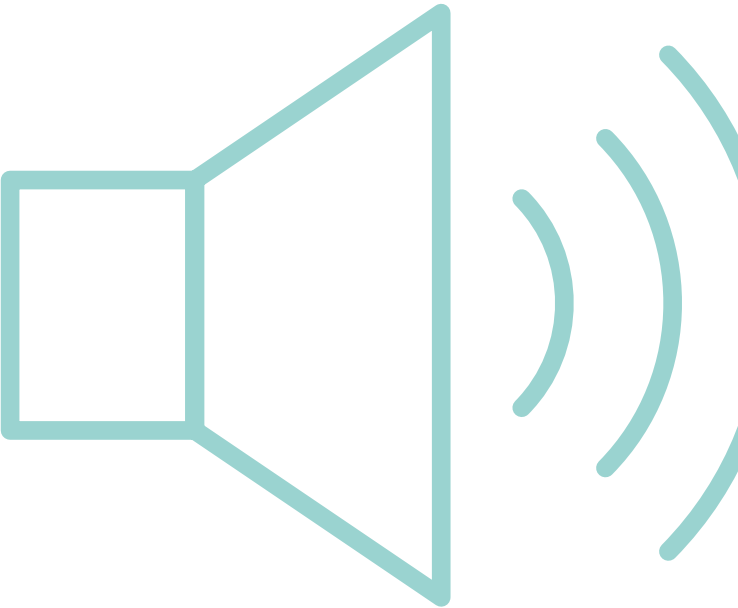
Just a noise level increase of 3 dB has an impact of factor 2 and will be perceived as approx.10 dB louder.



Double loudness = Factor 2 is about a 10 db higher perceived loudness level (psychoacoustics)

Double voltage = Factor 2 is 6 db higher measured voltage level (sound pressure level)

Double power = Factor 2 is 3 db higher calculated power level (sound intensity level)



SERVICE & DISTRIBUTION

With our comprehensive range of services, our competent service team will support you during initial commissioning, carry out regular maintenance and measurements, and offer you suitable spare and wear parts if required. Thanks to our many years of experience in extraction technology, we also have the expertise to convert and retrofit existing systems. If you would like to train your employees in the use of our systems, we also offer training courses.

»360° service – we support you from the initial consultation all the way to the after-sales service!«

IMPLEMENTATION

We ensure smooth mechanical and electrical commissioning of our own as well as third-party systems. We are also happy to provide you with instructions on the functions, safety precautions and control of the system.



AFTER-SALES SERVICE

We offer a comprehensive after-sales service: From the sale of spare and wear parts to the cleaning of pipelines to residual dust and air quality measurements. Even at a later date, plant instructions (detailed functions, new instruction of additional operators) can be provided. Furthermore, we support you with repairs, retrofits and overhauls (also for third-party systems).



MAINTENANCE

System failures cannot be planned and can cause high downtime costs as well as endanger the safety of your employees. To maintain the efficiency of your extraction systems, we offer various maintenance packages. This way, any defects can be detected in time and subsequent costs can be avoided. Our years of experience and an effectively structured service organization guarantee a short response time and rapid troubleshooting.

We keep your facility running!

We maintain both third-party and our own systems. Request a no-obligation maintenance quote at vertrieb@absaugwerk.de



AVOIDANCE OF FOLLOW-UP COSTS THROUGH TIMELY DETECTION OF DEFECTS

AVOIDANCE OF DOWNTIME AND STANDSTILL COSTS

LOWER MAINTENANCE COSTS THROUGH TESTING OF FILTERS AND AIR FLOW MEASUREMENTS

INCREASE IN PRODUCTIVITY

REMOTE DIAGNOSIS, REMOTE ACCESS & REMOTE MAINTENANCE

CONDITION ANALYSIS AND MAINTENANCE – ALSO FOR THIRD-PARTY SYSTEMS

Trouble-free and safe working

WORLDWIDE SUPPORT FROM OUR SERVICE TEAM

EARLY WARNING SYSTEM REDUCES BREAKDOWNS AND MACHINE FAILURES

CONSERVATION OF INTERNAL AND ECOLOGICAL RESOURCES

EXTENSIVE VISUALIZATION ALSO FOR TABLETS AND SMARTPHONES

INTEGRATED FIREWALL AND SECURE ACCESS VIA VPN TUNNEL

**RETROFITTABLE ALSO FOR ALREADY RUNNING
ABSAUGWERK EXTRACTION SYSTEMS**

REMOTE MAINTENANCE

In fully automated production processes with professional extraction systems, the most important thing is that everything runs smoothly and functions without interruptions.

Remote maintenance systems monitor relevant parameters such as machine condition, filter saturation, maintenance intervals, operating hours, sensor technology and many other indicators in real time and send automatic alarm messages if necessary. Thus, malfunctions can be remedied at an early stage and consequential damage and machine downtimes can be avoided.

MONITORING & ALERTS

Thanks to the extensive monitoring and alarm functions, our service technicians remain connected to every extraction system, despite the fact that the machines are used all over the world. They are available worldwide and can provide support quickly.

SECURITY

Data is securely encrypted via VPN, clearly visualized and can also be accessed on mobile devices. The flexible user and client management makes the administration of projects and responsible service staff an effective and resource-saving solution for your process.



The extraction systems are equipped with an industrial router and can be accessed and can transfer data worldwide via a secure VPN access.

TECHNICAL SPECIFICATIONS

- Integrated 3-port / 4-port LAN-switch
- WAN, 3G/4G or Wi-Fi
- Secure OpenVPN remote maintenance access



QUALITY

WE START WHERE THE STANDARD ENDS

Each of our employees is a professional in his or her field and they see themselves as part of the complete ABSAUGWERK. The high quality of the individual contributions shows itself in our efficient, long-lived and robust extraction systems. The individual components are carefully chosen and only leave our works after a strict testing procedure. In order to meet our own standards, we operate the entire service chain ourselves: Consultation, planning, manufacturing, commissioning, installation, maintenance, training and other after-sales services.

PERFECT WORKPIECES

We are proud of the quality of our handcrafted products »MADE IN GERMANY« and assume full responsibility for their performance and efficiency. Through continuous further training and optimization of our systems, we make use of the latest technologies and steadily forge ahead in the markets. We have great respect for our customers' end products and with our systems can contribute to a perfect workpiece. The satisfaction and trust of our customers are our greatest assets and can only survive through quality products and a healthy partnership.



Deeply
entrenched
in the
industry



THE ENVIRONMENT

As a manufacturing company for the most varied industrial sectors, we bear a special responsibility for the quality of our products and processes as well as for the preservation of our environment and resources.

FOR US AND OUR ENVIRONMENT

Our business activities are based on ecological, social and economic responsibility. The flexible components of our systems enable us to configure custom-made extraction systems for almost every individual application and so ensure a positive energy balance. As opposed to standard systems, extraction systems from ABSAUGWERK consume only the amounts of energy, air and water that are actually required. In addition, the cleaned, still warm air can be returned to the production hall via the recirculating air operation. Especially in winter, this saves enormous energy costs.

Clean air in production halls promotes the health of employees, prevents illnesses and makes the workplace safer. In addition, the machine park, the tool and the workpiece are preserved and their service lives are significantly extended.

»Every employee sees himself or herself as a part of a caring society and a healthy environment.«

QUADRUS METALLTECHNIK

Our customer Quadrus Metalltechnik GmbH processes 1,100 tons of steel, stainless-steel and aluminum parts per month. Welding, lasering, forming and deburring generates dust that must be effectively extracted to protect workers and machinery.

This is where our wet separators come into play. They extract the dust via a pipe and bind it in a water vortex. The air flows through further filter stages and is then fed back into the production hall (recirculation mode). The dust is separated from the water and disposed of as sludge via a rollable container in accordance with local regulations.



WET SEPERATOR FROM ABSAUGWERK

»ABSAUGWERK is distinguished by very high extraction performance and good service performance. «

HANS MAIER, OPERATIONS MANAGER | QUADRUS Metalltechnik GmbH



SERIES WT EXTRACTION TABLE WITH UNDERTABLE AND REAR WALL EXTRACTION

The Quadrus reference video link
[ABSAUGWERK.com/Quadrus](https://www.absaugwerk.com/Quadrus)



EXTRACTION AT TWO MACHINING CENTERS AND TWO MANUAL WORK BENCHES

MATERIAL

- Steel
- Stainless-steel (carcinogenic dust)
- Aluminum (explosive dust)

WHAT MACHINES ARE EXTRACTED?

- Deburring machine Timesavers series 42 for aluminum parts
- Deburring machine Timesavers series 42 for steel and stainless-steel parts
- Manual Grinder Timesavers
- Extraction table series WT ABSAUGWERK GmbH

EXTRACTION SYSTEM / SYSTEM COMPONENTS

- 2x wet separators series W 3000
- ATEX execution
- Dimensions: approx. 1,150 x 800 x 3,700 mm (WxDxH)
- H14 HEPA filter
- Pneumatic gate valve
- 300l sludge container

PERFORMANCE

- 2x 11 kW
- 2x 7,000 m³/h extraction power

SERVICE

Determination of requirements, production, assembly, commissioning, training, maintenance, service

LEARN WHAT MATTERS IN EXTRACTION TECHNOLOGY!

During processes such as welding, grinding or lasering, various media are released that must be safely extracted to protect people and machines. We inform you about the relevant occupational limit values and legal requirements that you must consider in your company and guarantee to find the optimal solution for your process!

Also get to know our various system components. We will show you what is important in design and planning and how you can carry out small service and maintenance tasks yourself.

We are happy to offer individual training programs at our competence center in Neu-Ulm or at your site.

Please contact us at
info@absaugwerk.de | +49 731 141108-0

RESPECT. RELIABILITY. PERSONALITY.






PARTNERSHIP

ABSAUGWERK reflects the personal values of its employees and unites them with common ideas of teamwork, corporate management and goals. Our culture forms the basis of our success and our »feel good philosophy«.

This also applies to our network. We have no fear of commitment! We maintain our partnerships continuously and on a personal level, because we sell and buy from people. Mutual respect and reliability are indispensable for us.

Become a partner in our network!

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