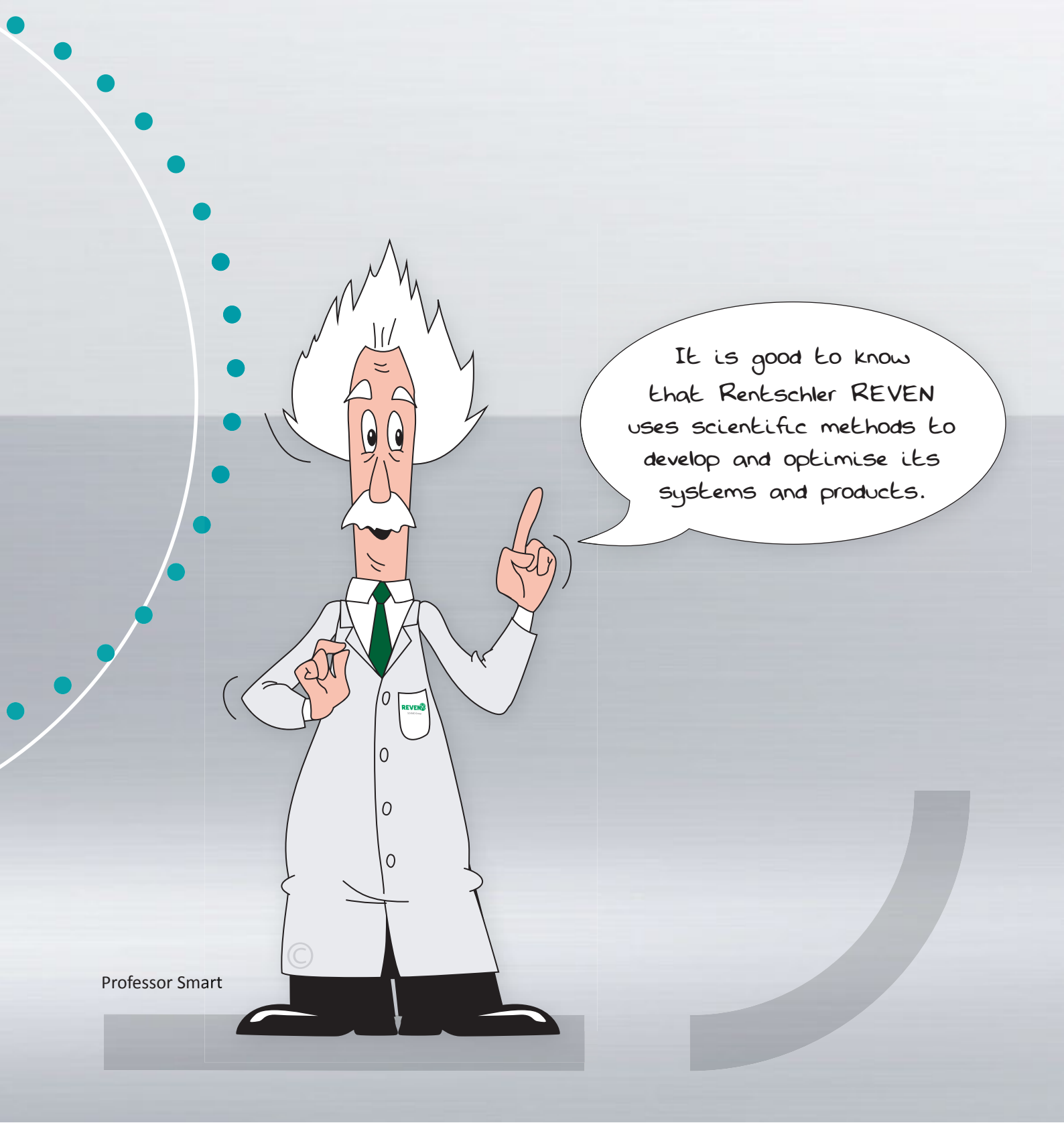




Air cleaners

for mechanical processing
and the food industry

REVEN 
SCHAKO Group



Professor Smart



Pure competence in air.

Our air cleaners guarantee:

- Higher productivity due to less downtime in your production!
- Higher quality due to constant ambient temperatures!
- Lower maintenance and cleaning costs due to improved air cleaning!
- Lower labour costs due to safer and more productive workplaces!
- Lower plant operating costs due to more efficient air cleaning!
- Lower consumption costs in your production processes due to recycling!
- Lower repair and maintenance costs of your production facilities due to highly efficient air cleaners!
- Considerably longer service life due to the use of 100 % rustproof stainless steel!
- Lower operating costs due to energy-saving air cleaners!

That is what the REVEN® brand and our products stand for and what I am wholeheartedly committed to.

Sven Rentschler

CEO and great-grandson of the company founder Gustav Rentschler



INNOVATION BW
Award Winner
Innovation Award Baden-Württemberg
Dr.-Rudolf-Eberle-Preis





Rentschler REVEN6

Company, History, Milestones, Product Range,
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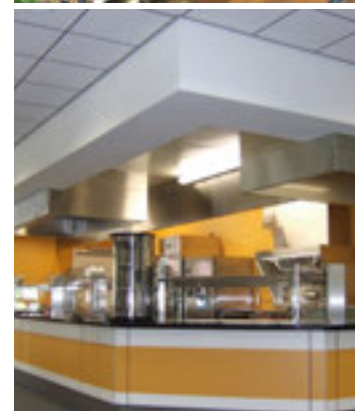
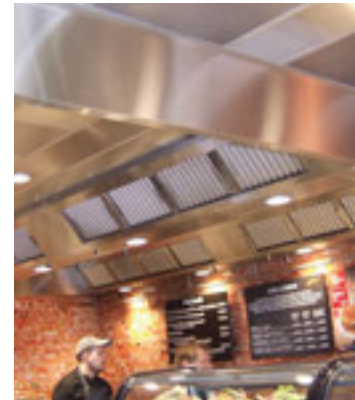
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Sven Rentschler, CEO and greatgrandson of the company founder Gustav Rentschler

Clean air and a healthy working environment – the capture and separation of air pollutants is our core competence!

Welcome to Rentschler REVEN

REVEN = REntschler VEntilation

Based on decades of experience in the field of air cleaning, Rentschler REVEN have developed the mechanical X-CYCLONE® separating system. Air pollutants such as vapour, mist and similar process waste gases are separated to the highest possible extent. The system works purely mechanical without any auxiliary energy. It is easy to clean and contains no disposable products that need to be replaced regularly. Operating and maintenance costs are therefore considerably lower than with conventional air cleaners!

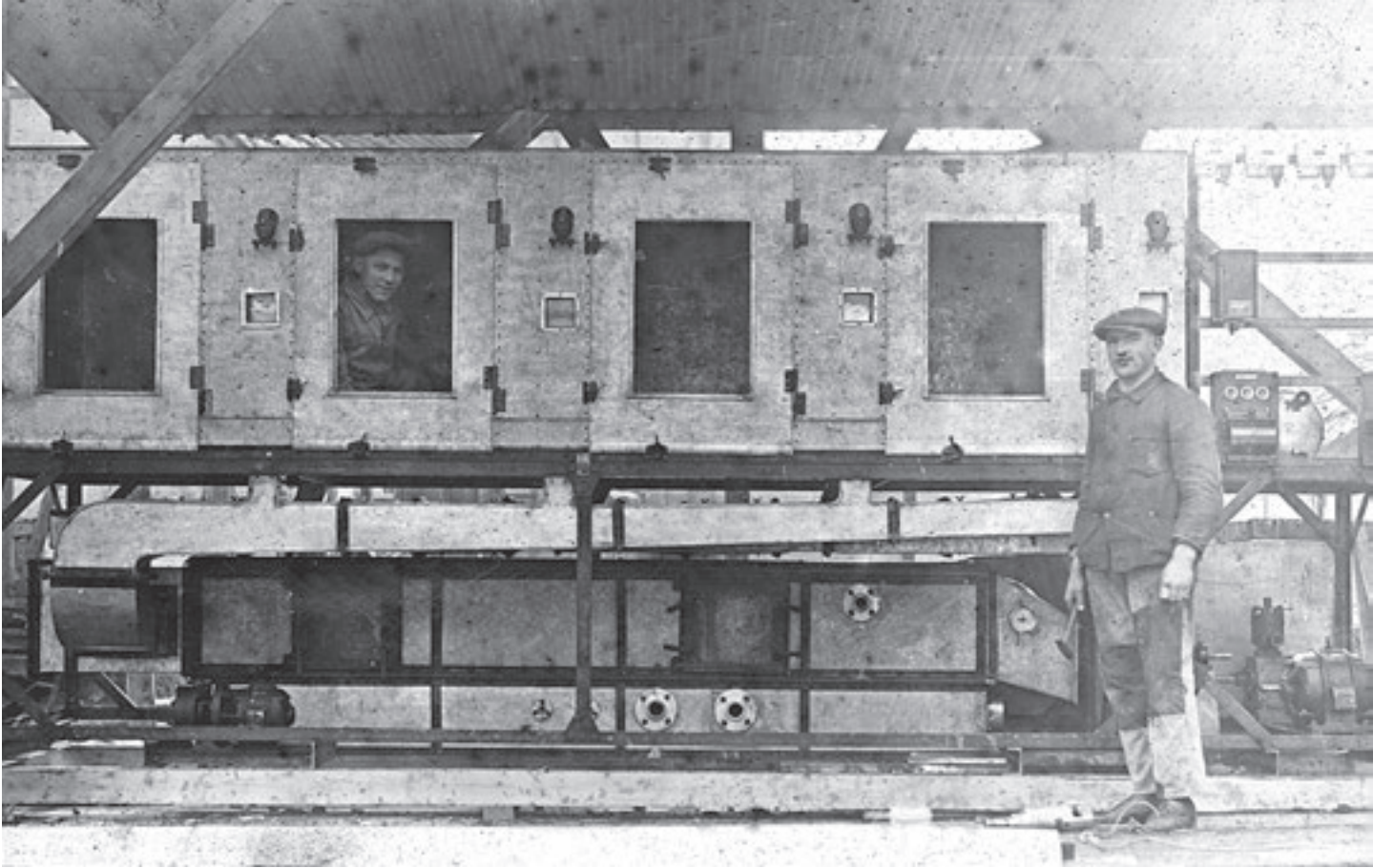
Pure competence in air.

Thanks to our state-of-the-art ventilation technology, we create an agreeable and healthy working atmosphere in your commercial kitchen or your production shop.

TYPICAL AREAS OF APPLICATION FOR OUR AIR CLEANERS ARE:

- Food processing
- Production and machining processes in the mechanical engineering sector
- Commercial kitchens in restaurants, hotels and canteens
- Production processes in the oil and gas industries
- Lacquer application and coating processes
- Finishing processes in the textile industry

Rentschler REVEN since 1905



**THE SKILLS AND KNOWLEDGE
ACQUIRED DURING DECADES
OF PLANT CONSTRUCTION FORMED
THE BASIS FOR STATE-OF-THE-ART
PRODUCTS THAT SET NEW
STANDARDS.**



The history of Rentschler REVEN began as early as 1905 when Gustav Rentschler, the great-grandfather of the present CEO Sven Rentschler, had the company Gustav Rentschler Flaschnerei und Apparatebau registered in the guild roll of the Swabian town of Sersheim. Even during the foundation phase, the company took up the construction of extraction apparatuses and systems for production facilities and workshops.

The family-owned company has remained loyal to this field of activity ever since, specialising in industrial air cleaning over the decades. The knowledge acquired

in the field of air cleaning has grown continuously over the generations since then and is unique today.

Numerous internationally protected patents, brand names, design protection rights and technologies bear witness to more than a hundred years of company history and progress.

Milestones in the Company's History

| | |
|------|---|
| 1905 | Gustav Rentschler founds the craft business "Flaschnerei und Apparatebau." |
| 1985 | Peter Rentschler focuses the business activities on environmental technology and air cleaning equipment for commercial kitchens and the food industry. |
| 1990 | The first patent is granted for the X-profile which becomes the basis of the X-CYCLONE® technology. |
| 2001 | The company starts developing its business branch for industrial equipment. |
| 2012 | A patent is granted for the fifth generation of the X-CYCLONE® separator with an efficiency improvement of 20 %. |
| 2013 | The innovation prize of the Land Baden-Württemberg is awarded to Rentschler REVEN for the X-CYCLONE® technology. |
| 2014 | Seminars on air cleaning on a national and international level lead to high demand. |
| 2015 | The company develops international distribution capacities. |
| 2016 | Rentschler REVEN join the SCHAKO Group, one of the leading European company groups in the HVAC sector. |
| 2017 | The LÜKK (German refrigeration, ventilation and air-conditioning sector) Customer Confidence Price is awarded to Rentschler REVEN in the ventilation category by CCI Dialog GmbH. |



5.



INNOVATION BW
2013
Innovation Award Baden-Württemberg
Dr.-Rudolf-Eberle-Preis



REVEN

SCHAKO Group



Product Range

Rentschler REVEN provide a broad product range (with more than 1,000 variants) and offer tailored solutions in addition to the standard equipment.





Trade Fairs, Seminars & Workshops

We are regularly represented at the ISH trade fair and present our latest technologies at the SCHAKO Group stand. Furthermore, we take part in smaller trade fairs at home and abroad.

With our seminars, we offer ventilation planners, plant managers and plant constructors a complex lecture programme and concentrated know-how on air pollution control in workshops, production halls and commercial kitchens.

In addition to this, we offer workshops to experience our technologies, systems and products in practice. Moreover, we offer training courses in our in-house seminar room.

Distribution

Our central factory in the heart of Baden-Württemberg serves our customers all over the world. We ensure perfect customer care by an international network of authorised Rentschler REVEN dealers and service points and our website offering information and documentation as well as our catalogue in twelve different languages.

Further information

www.reven.de (Company)

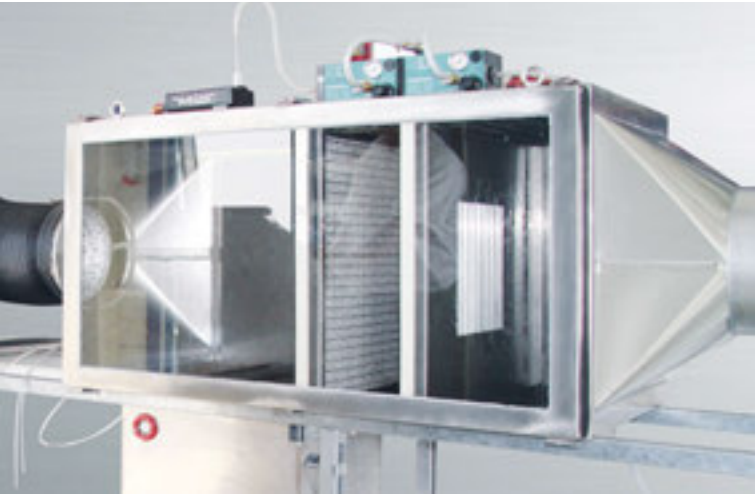


Research & Development

All of our air cleaners are the fruit of decades of research and development. Our technicians and engineers use highly sophisticated measuring instruments, software and developer tools to foster improvement and optimisation. All our products pass through a development process of several years and we use the following facilities, systems and other equipment to support optimisation:

- Aerodynamic laboratory with scattered-light spectrometer system for precise and reliable measurement of particle concentrations and sizes.
- Fire exposure test stands for tests in accordance with DIN EN 16282, DIN 18869 and VDI 2052.
- Flame ionisation detector (FID) for the measurement of the total hydrocarbon content.
- Portable battery-backed laser photometer with scattered light measurement and data logger for real-time measurements of aerosol masses.
- Thermographic high-resolution camera systems suitable for flow analysis.
- Software systems for numerical flow mechanics calculations, the only way to analyse and understand airflows and use these findings for development.
- SolidWorks 3D-CAD systems for development and simulation.





Production and High-rise Warehouse

Our production site is located in Sersheim in Baden-Württemberg, approximately 30 km north of Stuttgart.

We produce all of our air cleaners at this company site. In our automated and computer-controlled production, we process exclusively rustproof stainless steel and aluminium sheets. Our production process-

es and materials guarantee reproducible quality and fully corrosion-proof products.

Automated processing machines and a high-rise warehouse ensure very short delivery periods, because we keep 80 % of our air cleaner product range in stock!





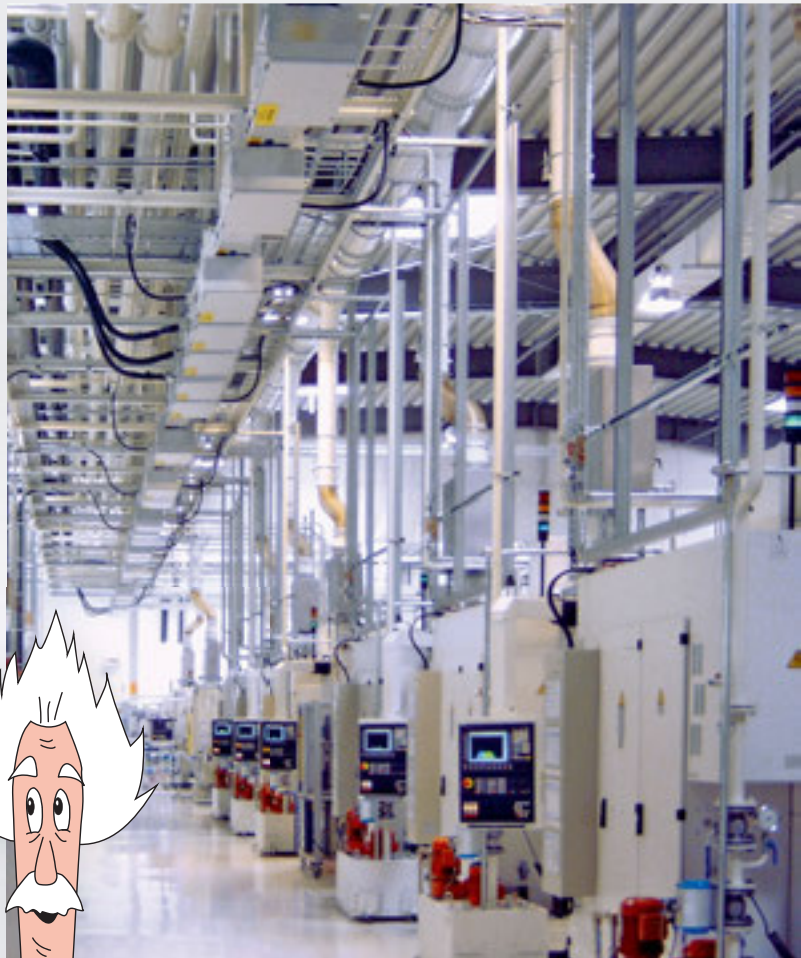


References

Processing Industry

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REVEN
SCHAKO Group

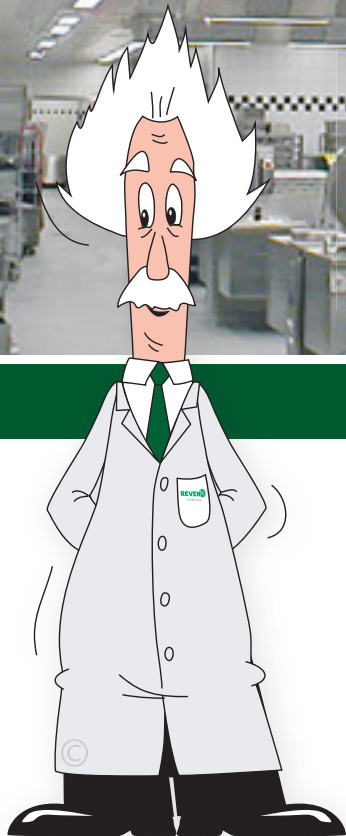
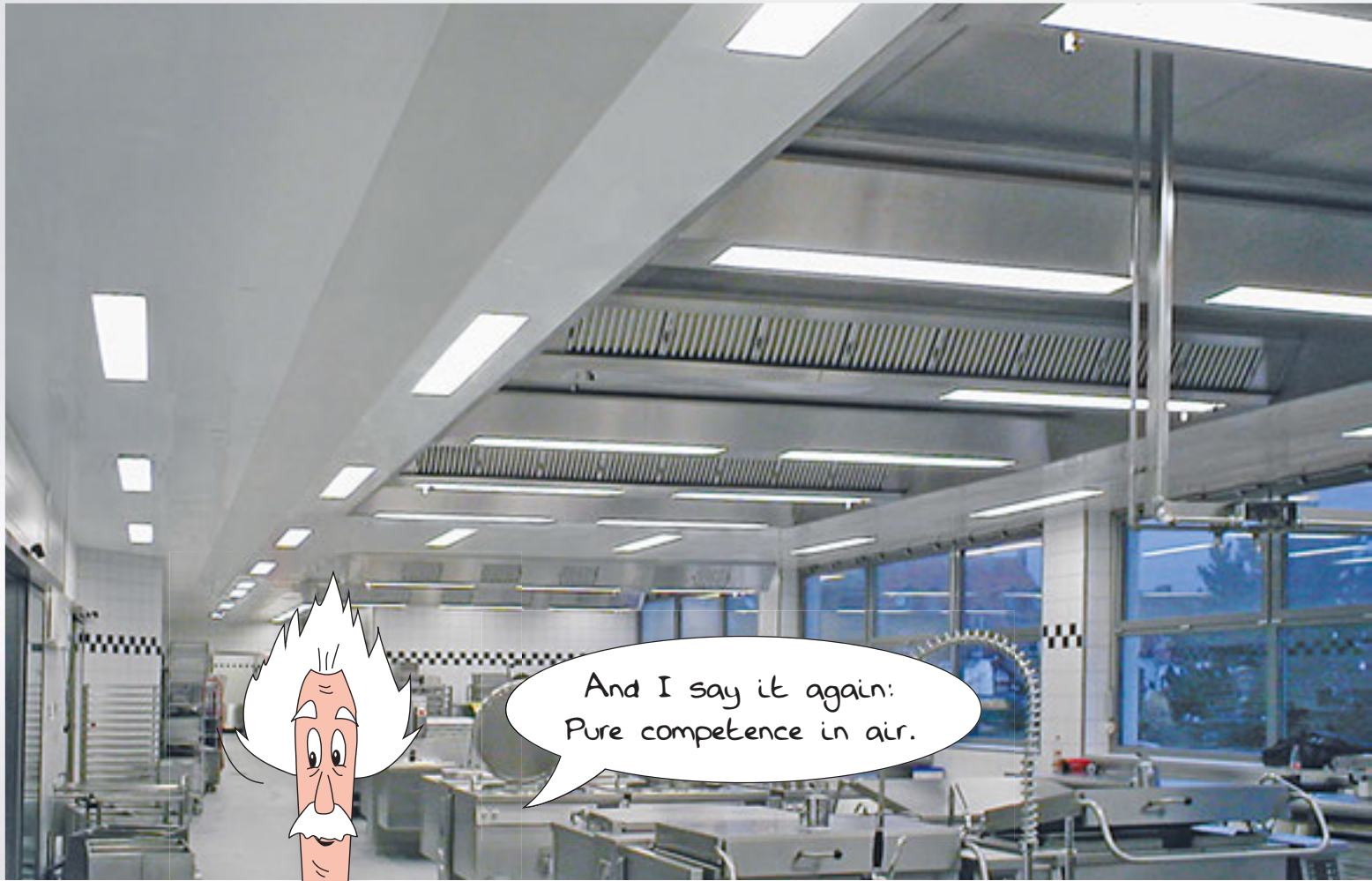


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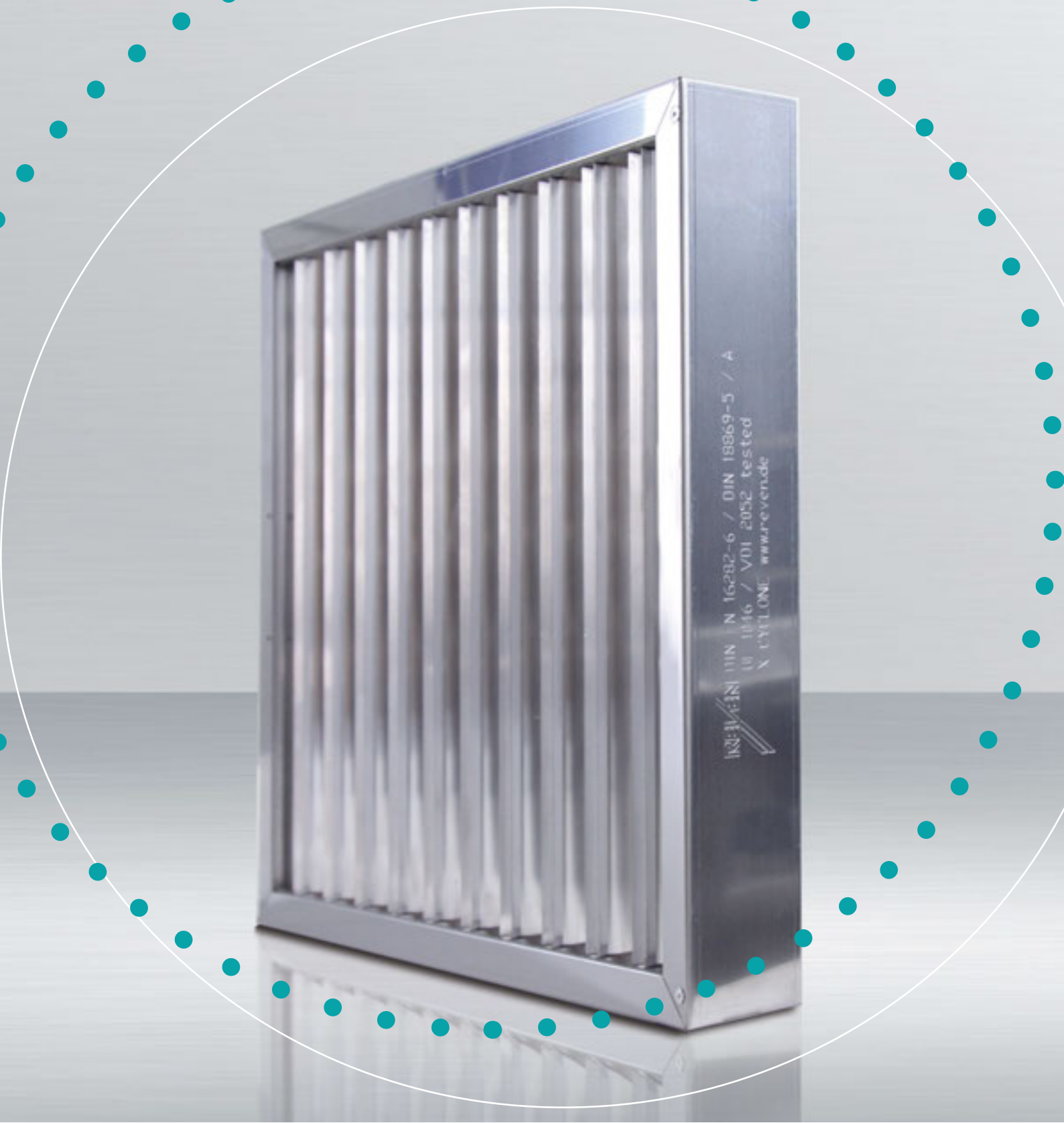
Food Industry

www.flickr.com/photos/123764546@N07/sets/72157644256607512





And I say it again:
Pure competence in air.



Technologies

X-CYCLONE[®], REVEN[®] and REVEX[®] Technologies

X-CYCLONE[®] technology protected by international PCT patent rights, based on further improvement of the arrow geometry!

X-CYCLONE[®] technology was developed for the separation of air-borne substances, such as aerosols, fluid and spraying mists and fine dusts that are released during manufacturing and finishing processes in the food processing and manufacturing industry.

Thanks to decades of continuous research and development, we succeeded in presenting the fifth product generation of the X-CYCLONE[®] air cleaner to the world in 2012.

The new air cleaner is characterised by a new arrow geometry and an increase in separating efficiency of 20 %.





X-CYCLONE® – the Heart Piece of the REVEN® Product Line



Made entirely of stainless steel



Stainless steel frame fitted with aluminium profile sections

The X-CYCLONE® system is available in two versions:

- Made entirely of stainless steel for food industry
- With a frame of rustproof stainless steel fitted with profile sections of seawater-resistant aluminium alloy for processing industry

In practice, the X-CYCLONE® system consists of rectangular elements with a thickness of 50 mm. The correct designation is X-CYCLONE® basic aerosol separator element.

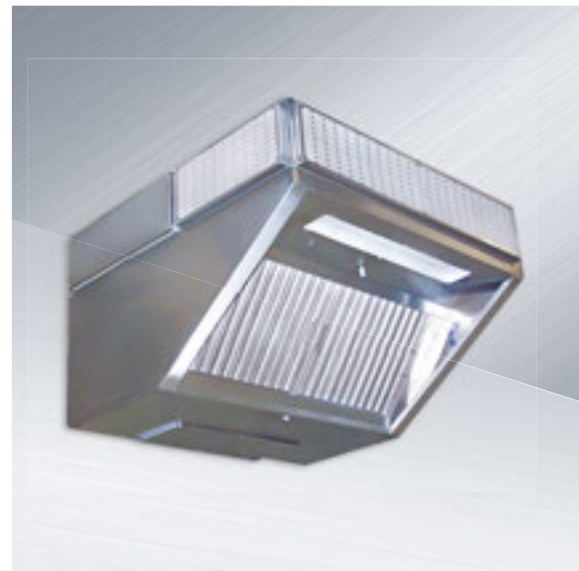
Rentschler REVEN Grants a Life-long Guarantee on the X-CYCLONE® Basic Elements.



The X-CYCLONE® basic element is self-cleaning and needs no maintenance! The aerosols separated in the basic element run down as fluid mass along the X-CYCLONE® profile sections. As it runs off, the liquid washes away solids that accumulate on the profile surfaces of the basic element.

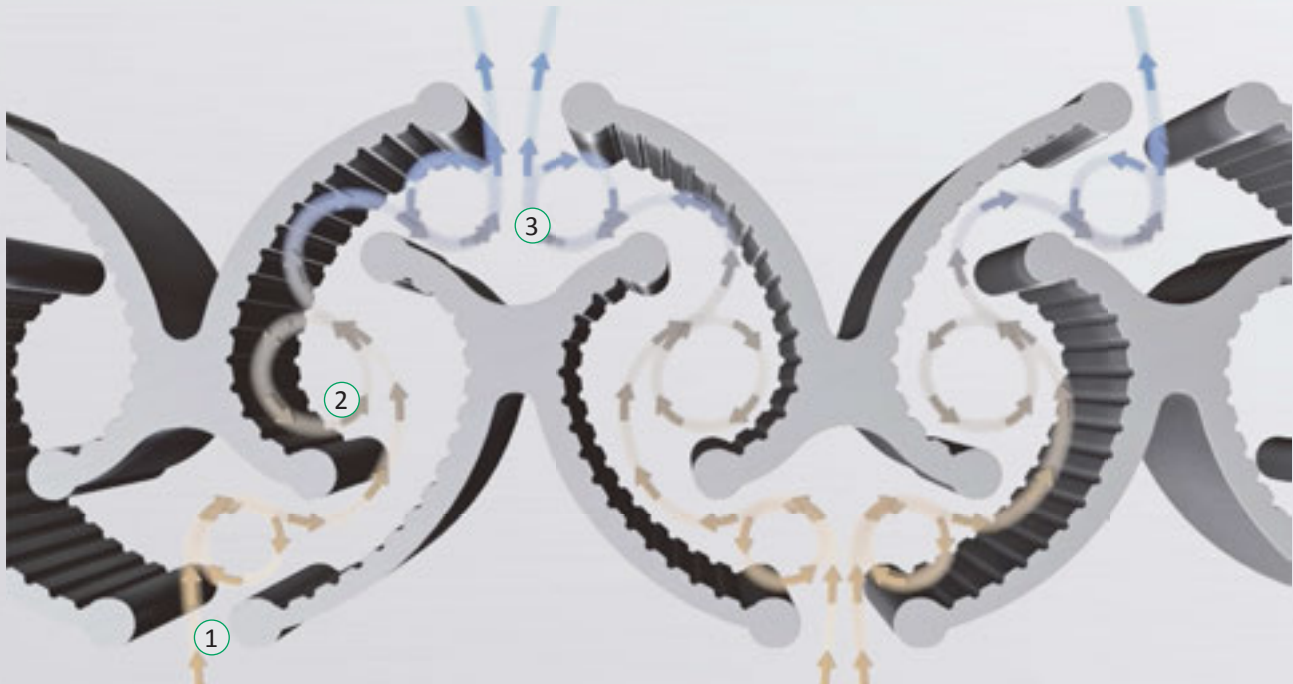
Disposable products that must be replaced at regular intervals are not required. Operation and maintenance are therefore far more cost efficient than with conventional air cleaners.





Functional Description of the Separation in the X-CYCLONE®

Separation in the X-CYCLONE® basic aerosol separator element takes place in four stages:



STAGE 1

The extracted air polluted by aerosols flows into the X-CYCLONE® basic element. When entering the element ①, the airflow is accelerated considerably. The acceleration produces a first separation.

STAGE 2

The highly accelerated airflow starts swirling ② inside the profile sections. The rotational vortex flow ejects airborne aerosols.

STAGE 3

The rotational vortex flows collide with non-rotational airflows at the air outlet ③ of the X-CYCLONE® basic aerosol separator element, thus resulting in an agglomeration and further separation of smaller aerosol particles.



STAGE 4

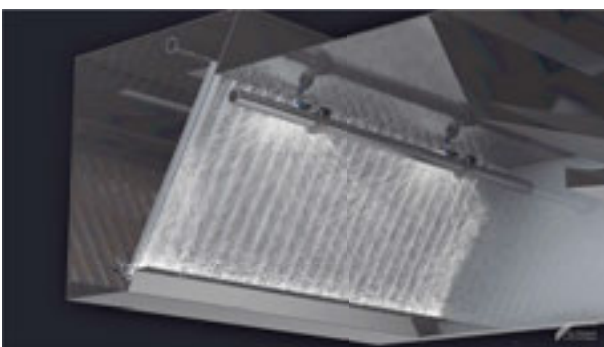
The aerosols separated in the X-CYCLONE® basic aerosol separator element accumulate on the profile surfaces and run down as fluid mass ④ to the bottom of the element.



Fine dust is separated in the same way. The dust particles do not run down like the fluids ④, however.

A REVEN[®] system must therefore be integrated if dry and sticky fine dusts are separated. The REVEN[®] system is based on a patented spraying technology that fulfils two functions:

A) It cleans the profile surfaces of the X-CYCLONE[®] basic aerosol separator element automatically and



B) cleans the air in the same way as an air washer in the chemical industry. The continuous air washing by the REVEN[®] spraying system washes even the smallest aerosols and harmful gases out of the airflow. The illustration shows a compact X-CYCLONE[®] air

cleaner of the CR series with an integrated REVEN[®] spraying system ensuring automatic cleaning and continuous air washing.

Further information

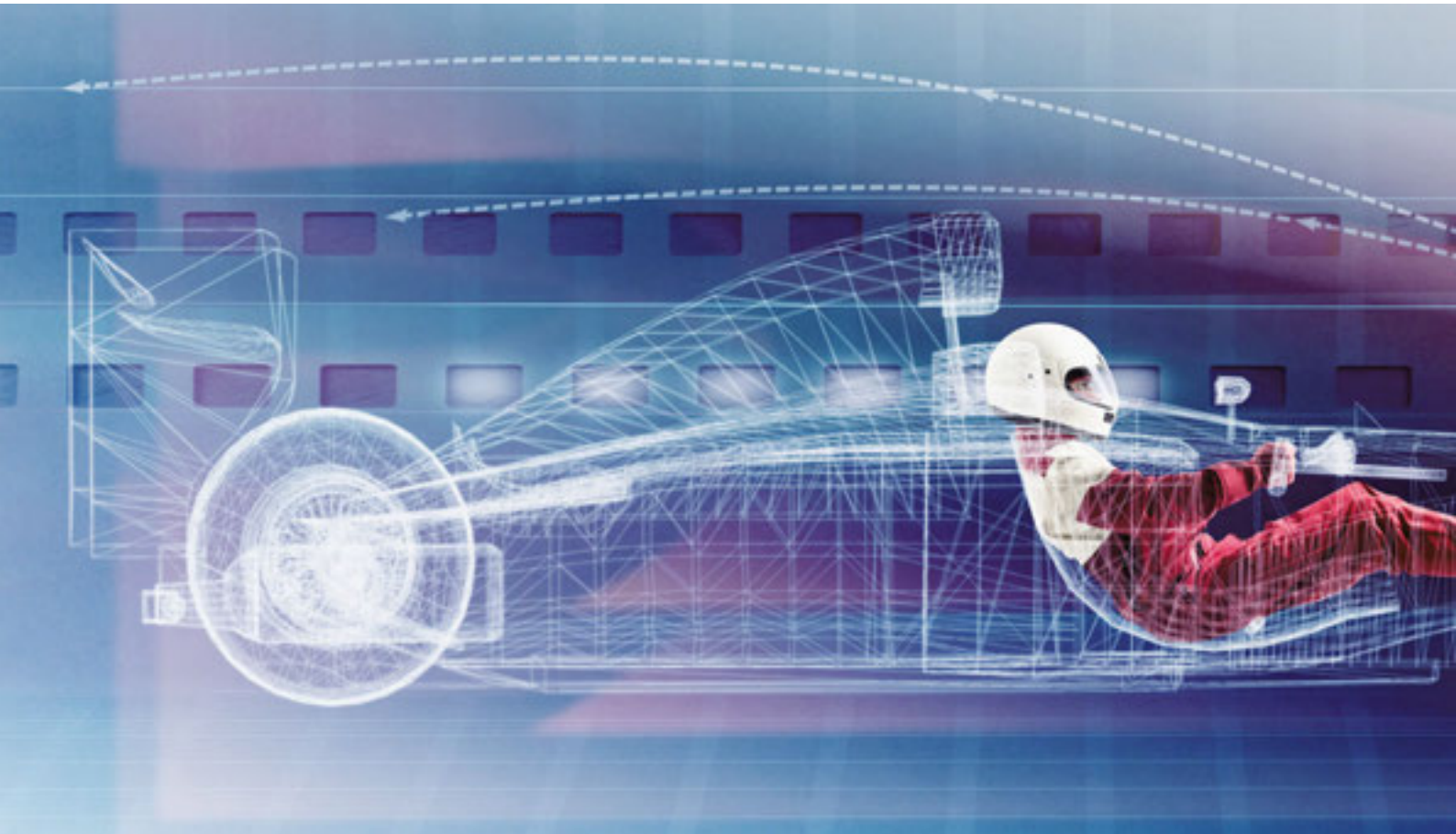
www.reven.de (Technologies)

You can find corresponding videos on our website.



CFD-Simulation

For years, the X-CYCLONE® and REVEN® systems have been continuously analysed and progressively improved with the help of CFD!



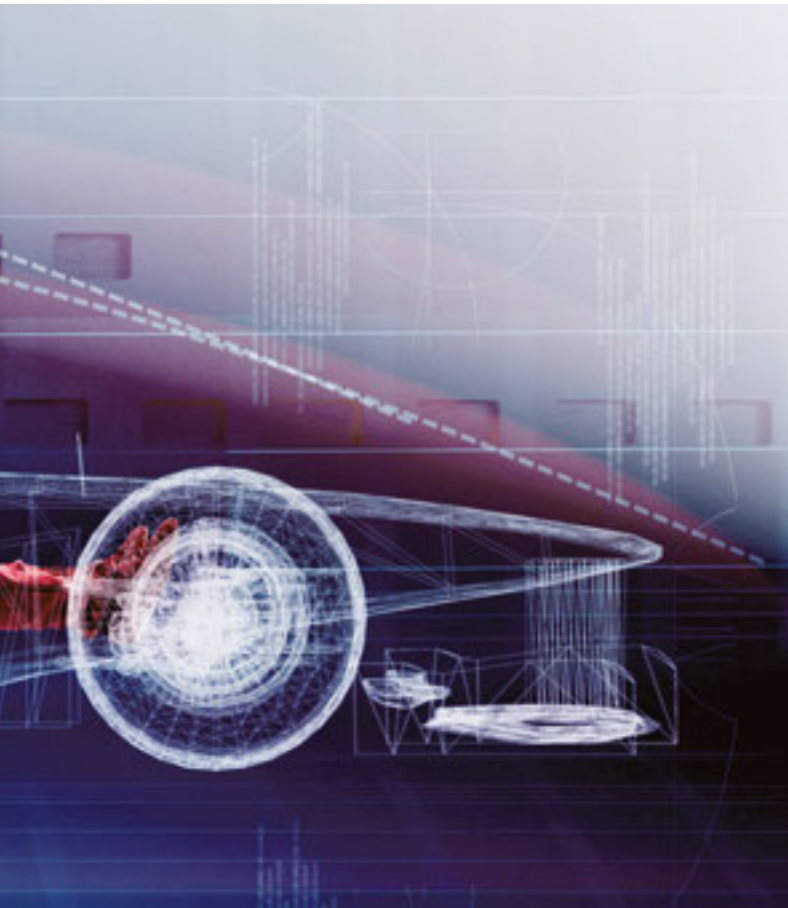
Airflows are complex and cannot be mapped by analytical means. The only way to examine and understand these flows and gain useful knowledge for the improvement of processes and products is their simulation with computational fluid dynamics (CFD).

Even highly complex airflows at the front and back spoilers of modern Formula One racing cars are analysed and optimised by today's racing teams with the help of CFD simulation.

The airflows outside and inside the chassis of a

Formula One racing car, an air cleaner or an air-induction capture hood are decisive for perfect and efficient functioning.

CFD simulation maps these important invisible processes in their entire complexity with sound physical and mathematical models. The great benefit in comparison to experimental methods and measurements lies in the fact that CFD maps all physical entities together in their interaction and provides evidence of the functioning instead of delivering values merely for selected points.

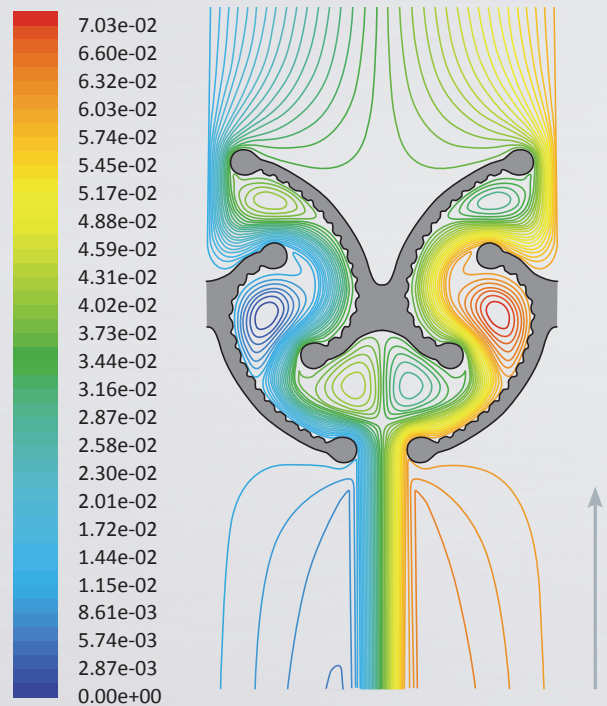


This is the reason why we have used CFD simulation for years to analyse and improve our equipment.

The X-CYCLONE® air-cleaning system and REVEN® air-induction system were both developed with the help of CFD simulation!

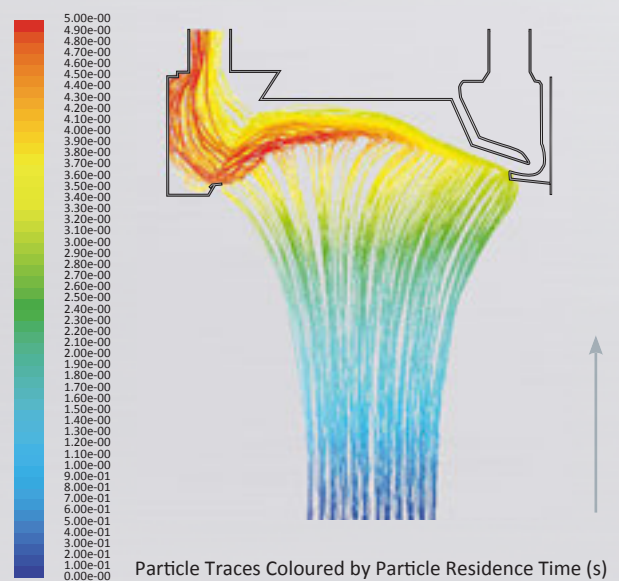
Further information

www.reven.de (Technologies → for fume capture)



Contours of Stream Function (kg/s)

The different particle sizes are identified by different colours.



Particle Traces Coloured by Particle Residence Time (s)

RSC and XSC

Computer-controlled management of the air supply and exhaust as well as of the extraction power.



RSC – REVEN® SPEED CONTROL

To improve the economic efficiency of ventilation systems in commercial kitchens, Rentschler REVEN offer the intelligent automatic control system RSC. The system adjusts the speed of the air supply and exhaust fans continuously to the cooking activities, as required by the innovative Industry 4.0 concept.

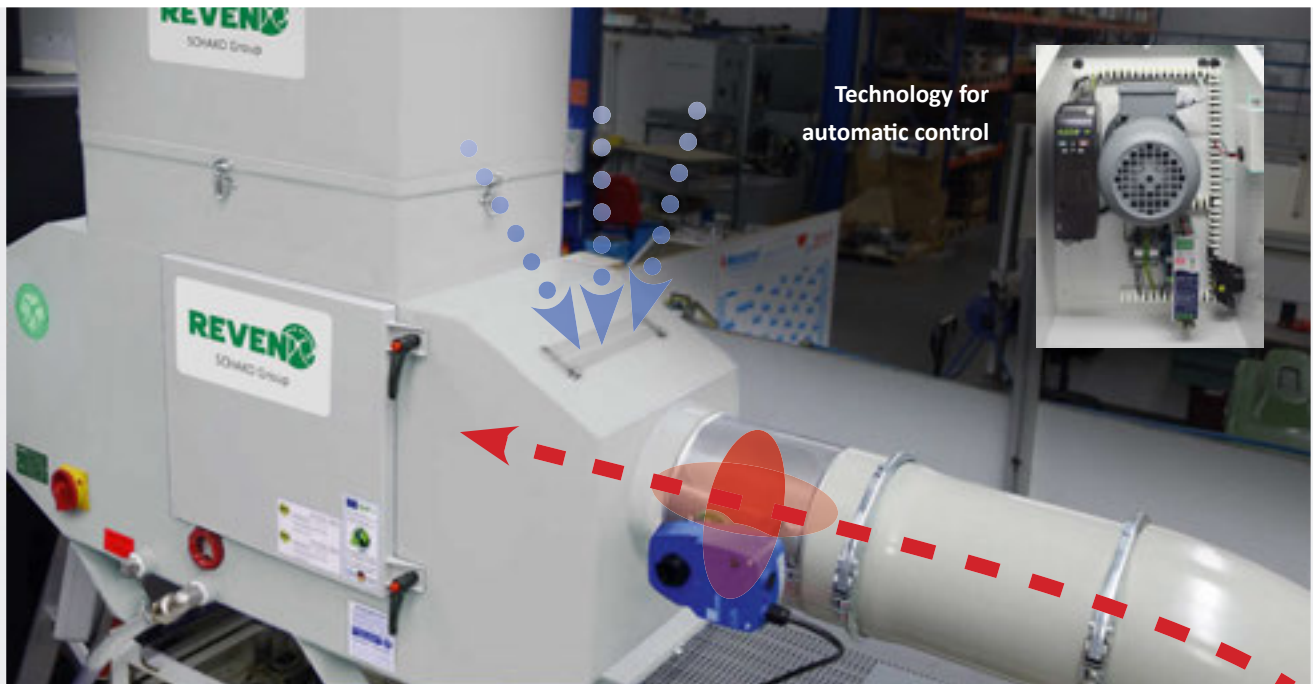
The temperature and humidity sensors are designed for operation in commercial kitchens and can detect the cooking activity. The controller increases or decreases the air supply and extraction in accordance

with the requirements. At the same time, the required air volumes are distributed over the respective cooking zones via air dampers. The sensor-driven control allows a reduction of energy consumption costs of up to 50 % and extends the service life of the air cleaners fitted downstream. Moreover, draught is avoided.



Further information

www.reven.de (Technologies → for adjustment and control)



XSC – X-CYCLONE® SPEED CONTROL

As an alternative to the conventional on/off control, Rentschler REVEN offer the digital power controller XSC in accordance with the innovative Industry 4.0 concept. The sensors measure the processing activity on the machine tool. An intelligent control system with microprocessor ensures the continuous control of the extraction power via air dampers and a frequency converter (available on option). The aerosol separator communicates with the machine to be ex-

tracted. The continuous automatic control cuts energy consumption by half and increases the separating rates by up to 50 % thanks to the patented Venturi ventilation and condensation system. In addition to this, the system allows the extension of the service intervals and increases the service life of the filters.



Further information

www.reven.de (Technologies → for adjustment and control)

Workplace Exposure Limits

Clean air for workers in industry

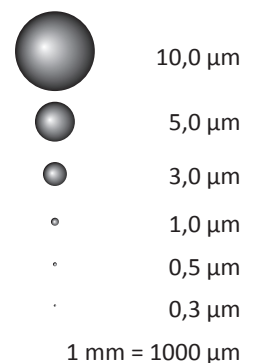
In food processing as well as machining processes on machine tools, high concentrations of PM10 aerosols are released.

PM10 aerosols are airborne particles with a diameter of less than 10 μm .

The comparison with a human hair illustrates the difference in size between a five-micrometer particle and a human hair.

PM10 particles may occur in very high concentrations in certain processes. An air volume of a thousand cubic metres might contain PM10 concentrations of up to 500 grams.

Hair diameter of approximately 80 μm



The WELs for air pollution in the processing industry differ considerably from country to country. The same applies to the verification and control of compliance with these limits. Many studies have revealed in the meantime that even outdoor air pollution in cities has a decisive influence on the health and mortality rate of exposed people. For this reason, Rentschler REVEN bases the design and dimensioning of its equipment on the far more stringent outdoor exposure limits adopted in the metropolises of the world. In many large cities, the maximum permitted concentration of fine dust is 50 micrograms per cubic metre of air. Rentschler REVEN is committed to the following quality goal: the air quality demanded for people in large cities and the limit values that apply there must also be achieved for the industrial workers.

The illustration shows the city centre of Brussels. The air in industrial factories must comply with the same standards of purity!

You should also take note of the interview with our CEO Sven Rentschler published in Germany's leading mechanical engineering magazine "maschine + werkzeug", edition 10/2011, page 72.



Rentschler REVEN technology for healthy air at workplaces

X-CYCLONE® in Compliance with Protective Regulations

Protection of personnel and machines

BREATHING

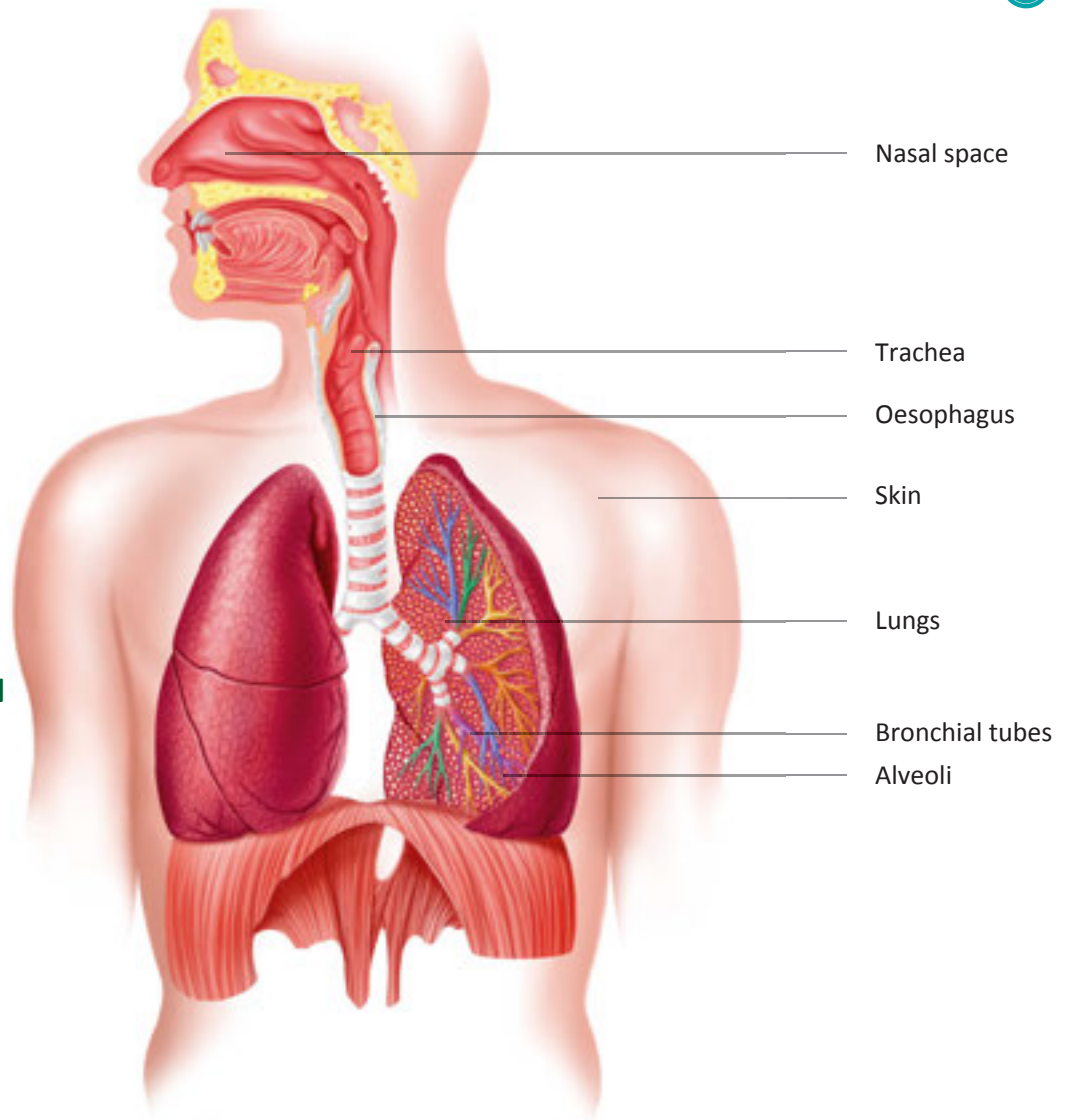
gases, vapours,
dusts, aerosols

SWALLOWING

dusts and fluids

SKIN RESORPTION

dusts and fluids



Scientific research proved that fine dust and airborne aerosols with a droplet diameter of less than 5.0 µm constitute an increased health hazard to exposed personnel. When breathed in, the particles enter the lungs and can cause severe respiratory ailments such as asthma or pulmonary fibrosis. Fine particles are also risk factors for various cancer types. The fine par-

ticles do not only enter the body via the respiratory tract, they can also be ingested via the oesophagus or absorbed by the skin.

Possible harm to sensitive plant and machinery, buildings and the environment should not be forgotten either.



Interview with Sven Rentschler

Excerpt on the topic of WELs

What are the limits of pollutant concentrations in air treated with air cleaners?

The fine dust pollution in the outside air has been a matter of discussion for several years now. Vehicle and industry emissions are the focus of attention. The term 'fine dust' refers to the mass of all particles with a diameter of less than 10 micrometres included in the total dust quantity. According to the findings of the World Health Organisation, respiratory and cardiovascular ailments increase with exposure to high concentrations of these fine particles. In order to ensure health protection, exposure limits for out-

side air concentrations have been introduced by the authorities. Since 2005, a limiting value for daily exposure of 50 micrograms per cubic metre of air has been adopted throughout Europe. In the wake of this regulation, the badge system for urban traffic was one of the measures introduced in Germany.

And which exposure limits apply at the workplace?

The permissible air pollution WEL is 10 milligrams per cubic metre for cooling lubricant vapours and aerosols with a flash point above 100 degrees Celsius that are emitted during metal processing. The same exposure limit applies to processing machines with a minimum lubrication system. This WEL is two hundred times higher than the limit for outdoor air pollution!

Is fine dust always the same?

Fine dust in city traffic pollution is certainly not the same as that generated on processing machines. The latter is not fine dust in the traditional sense. It consists of cooling lubricant particles that are emitted during machining processes. However, those cooling lubricant vapours and aerosols are very similar to fine dust with regard to the particle sizes and the health hazards involved. With a diameter of less than 10 micrometres, these cooling lubricant particles enter the vascular system via the lungs. They are therefore considered particularly harmful. Even though several studies have proven that a fine dust load of 50 micrograms in the outdoor air measurably reduces the life expectancy of exposed people, we still allow processing machine operators to be exposed to indoor levels that are 200 times higher. I can hardly understand that. These regulations are not consistent.

Is there only a health risk in the immediate proximity of the machine?

No. In metal processing workshops, the indoor air is extracted frequently, cleaned and returned to the workshop. In our experience, many of these extraction systems achieve a filtering performance of only two milligrams of cooling lubricant vapours and aerosols per cubic metre of cleaned air. The concentration of pollutants imposed on the operators is still 40 times higher than the permissible limit concentration

for outdoor air. Professional associations should take the matter in hand without delay and update and harmonise the WEL regulations to a reasonable level.

You also conduct measurements in companies. What are your findings there?

The total bandwidth of air pollution can be found, from the proper manufacturing company with clinically clean workplace air to factories where the WEL of 10 milligrams is exceeded by far. The processing machines may have the CE label applied to them, but they can still be put into operation without an efficient filter because many manufacturers offer the filters as an optional extra. I cannot understand that.

Are there positive examples too?

Yes, of course. Groups of companies increasingly adopt their own standards and apply them to their sites all over the world. Volkswagen, for instance, maintains a very high level of air purity in their factories. I also know that GM and Ford have internal guidelines that go far beyond government regulations.



Interview in Germany's leading mechanical engineering magazine "maschine + werkzeug", edition 08/2011, page 72

Test Stand for Flame Exposure Testing

Flame exposure testing in accordance with DIN 18869-5 and DIN EN 16282-6



In connection with manufacturing and finishing processes in mechanical engineering and the food industry, high concentrations of highly inflammable aerosols often have to be extracted and separated.

If the aerosols ignite in the exhaust air duct, the flames can spread into the whole building via the duct and set entire building complexes on fire within a few minutes.

In order to prevent rapid flame propagation, the flame-arresting capability of all our X-CYCLONE® basic aerosol separator elements is tested in accordance with national and international standards.

REVEN® Oil Mist Separators Successfully Pass Explosion Tests

This is why all our X-CYCLONE® basic elements comply with all German and European requirements with regard to their flame-arresting capability.

Even their behaviour in explosive environments has been tested and documented.

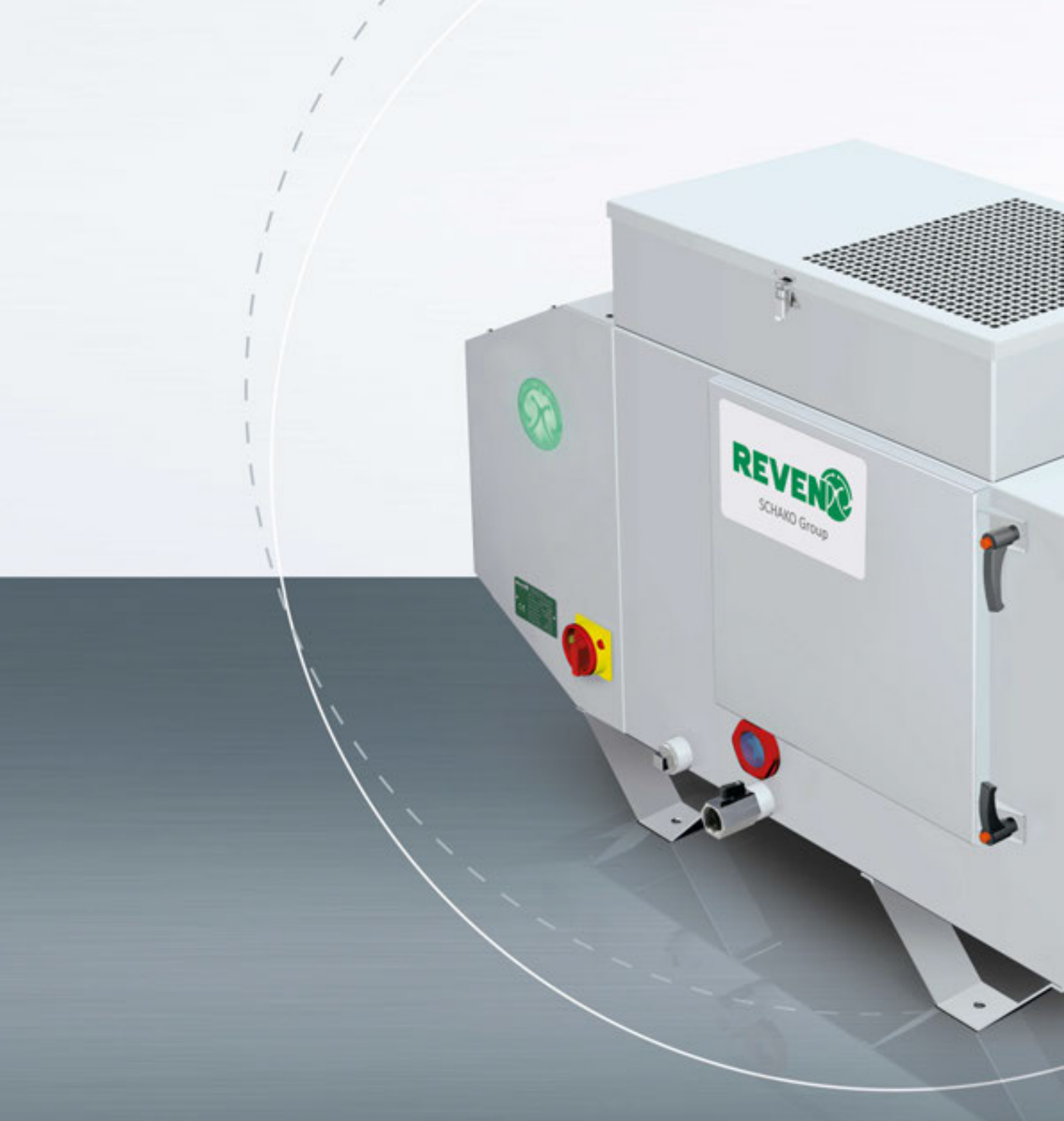




Compact Systems

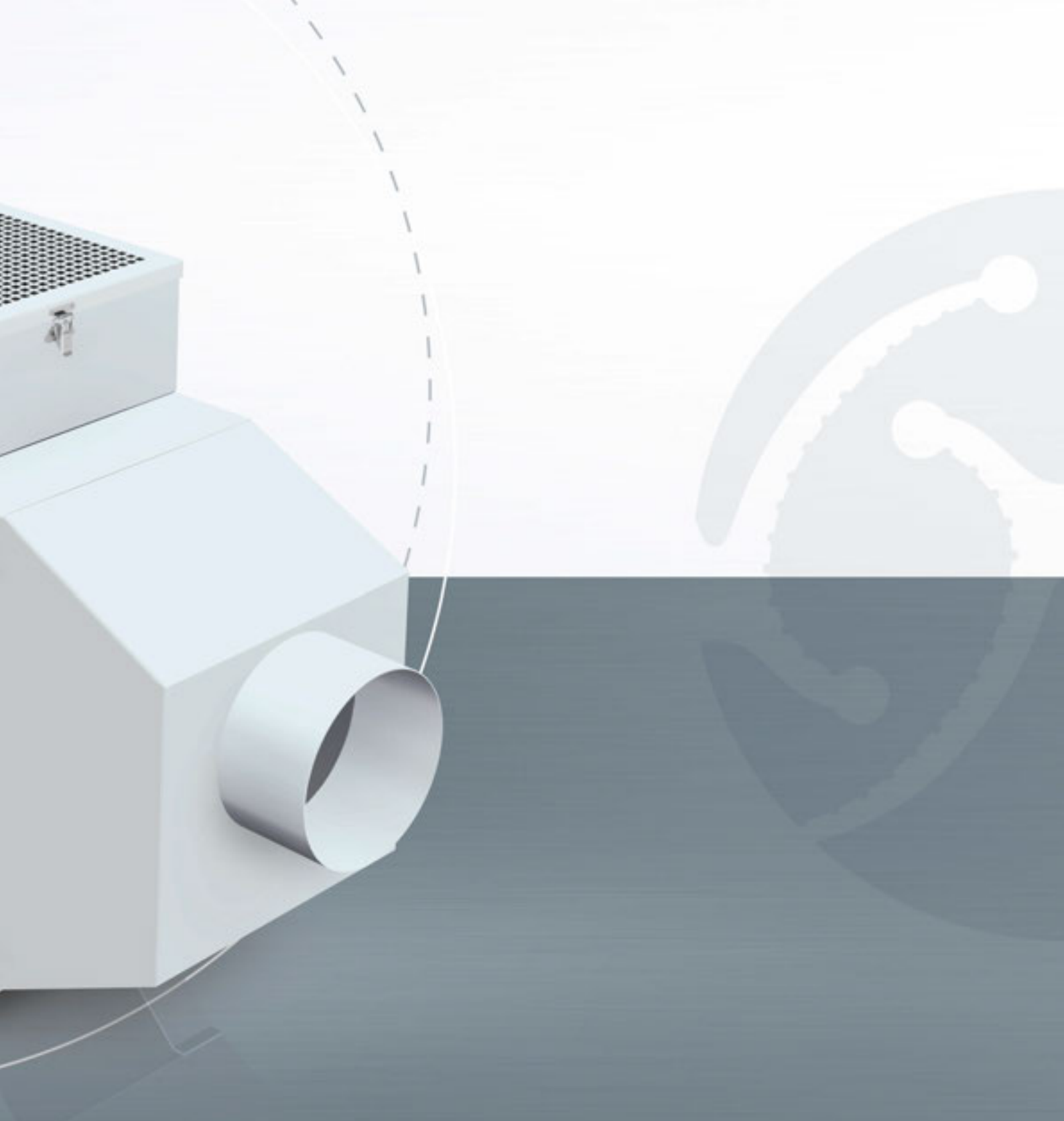
Compact air cleaners ready for connection





X-CYCLONE® C-XSC Series

Compact air cleaners for water-based aerosols





RANGE OF APPLICATION

Cleaning of the exhaust air from processing machines, coating plants or food-processing lines. Separation of water-based aerosols such as cooling lubricants or spray mist.



TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Sustainable air-cleaning concept thanks to the use of cleanable separators.
- Digital fan module XSC for fast commissioning, flexibility and high performance.
- Fan impeller and motor with energy-efficient eco-design in accordance with the European Directive on Energy-related Products (ErP). Energy-saving potential of up to Euro 2,000 per year compared to traditional air cleaners.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Agglomeration system made of stainless steel, suitable for the removal of PM_{2.5}.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Intelligent functional display.
- Designed, constructed and produced in Germany.
- State-of-the-art design protected by international design patent rights.

Further information

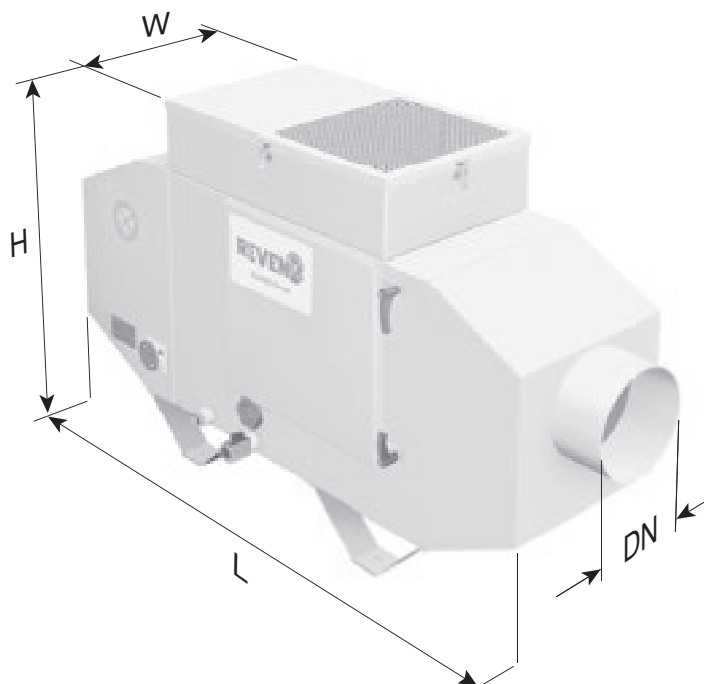
www.reven.de (Technologien → zur Regelung und Steuerung)



- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the enclosure.

ACCESSORIES

- REVEN® Pipe.
- EUREVEN® F2011 filter made of moisture-repelling, synthetic material, easy to clean; suitable for low smoke generation.
- Particulate air filter top unit, suitable for processes with high smoke emission.
- Self-cleaning REVEX® HEPA filters, suitable for aerosols with ultrafine solid and liquid particles.
- Honeycomb agglomerator, suitable for high steam concentrations.
- Chip protection, activated carbon filter and bag filter.
- Extraction hoses, capture hoods and brackets.



TECHNICAL DATA – X-CYCLONE® C-XSC SERIES

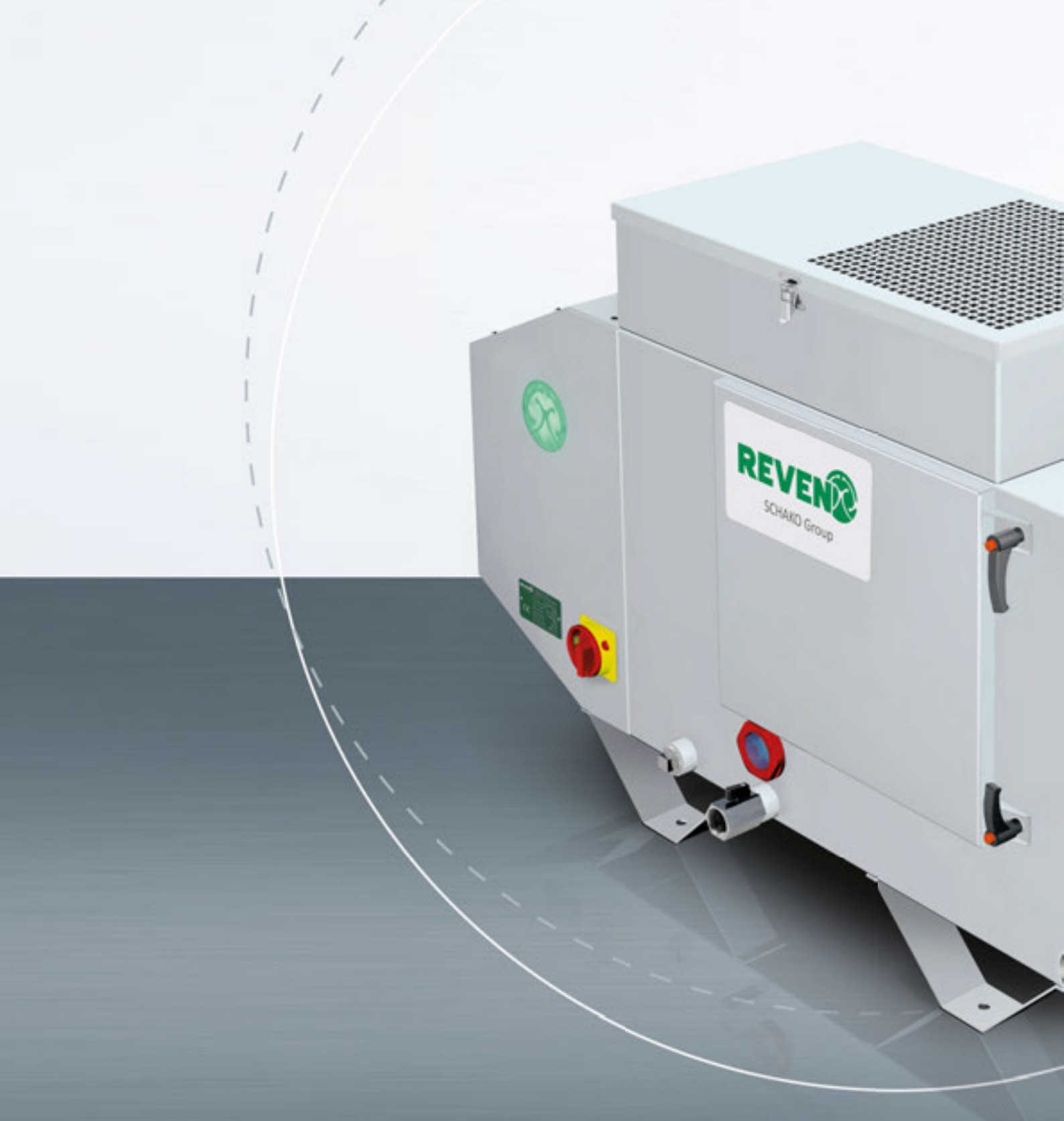
| Type of device | Extraction volume [m³/h] | | Electrical data | | | | | | Dimensions | | | | Weight [kg] | Noise level [dB(A)] |
|----------------|--------------------------|-------|-----------------|-------|-------------|-------|--------------|-------|-------------|------------|-------------|-----------------------------|-------------|---------------------|
| | | | Voltage [V] | | Current [A] | | Power 3* [W] | | Length [mm] | Width [mm] | Height [mm] | Connecting diameter DN [mm] | | |
| | 1* | 2* | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | | | | | | |
| C-1-XSC | 500 | 1000 | 3~400 | 3~460 | 0.42 | 0.42 | 232 | 267 | 1016 | 360 | 765 | 150 | 40 | 50 |
| C-2-XSC | 800 | 1500 | 3~400 | 3~460 | 0.50 | 0.50 | 298 | 343 | 1065 | 360 | 765 | 150 | 46 | 63 |
| C-3-XSC | 1200 | 2600 | 3~400 | 3~460 | 0.80 | 0.80 | 466 | 535 | 1200 | 370 | 765 | 200 | 54 | 65 |
| C-4-XSC | 1700 | 4000 | 3~400 | 3~460 | 1.90 | 1.90 | 1106 | 1272 | 1250 | 450 | 845 | 300 | 78 | 67 |
| C-5-XSC | 2500 | 4500 | 3~400 | 3~460 | 2.10 | 2.10 | 1208 | 1472 | 1280 | 550 | 925 | 300 | 110 | 67 |
| C-6-XSC | 4000 | 6800 | 3~400 | 3~460 | 3.90 | 3.90 | 2405 | 2765 | 1360 | 655 | 1045 | 400 | 152 | 72 |
| C-7-XSC | 6500 | 10500 | 3~400 | 3~460 | 6.20 | 6.20 | 3823 | 4396 | 1400 | 820 | 1205 | 500 | 240 | 72 |

1* Extraction volume when connected to the extraction system with two filters installed.

2* Extraction volume in unconnected, free-blowing state without filter(s).

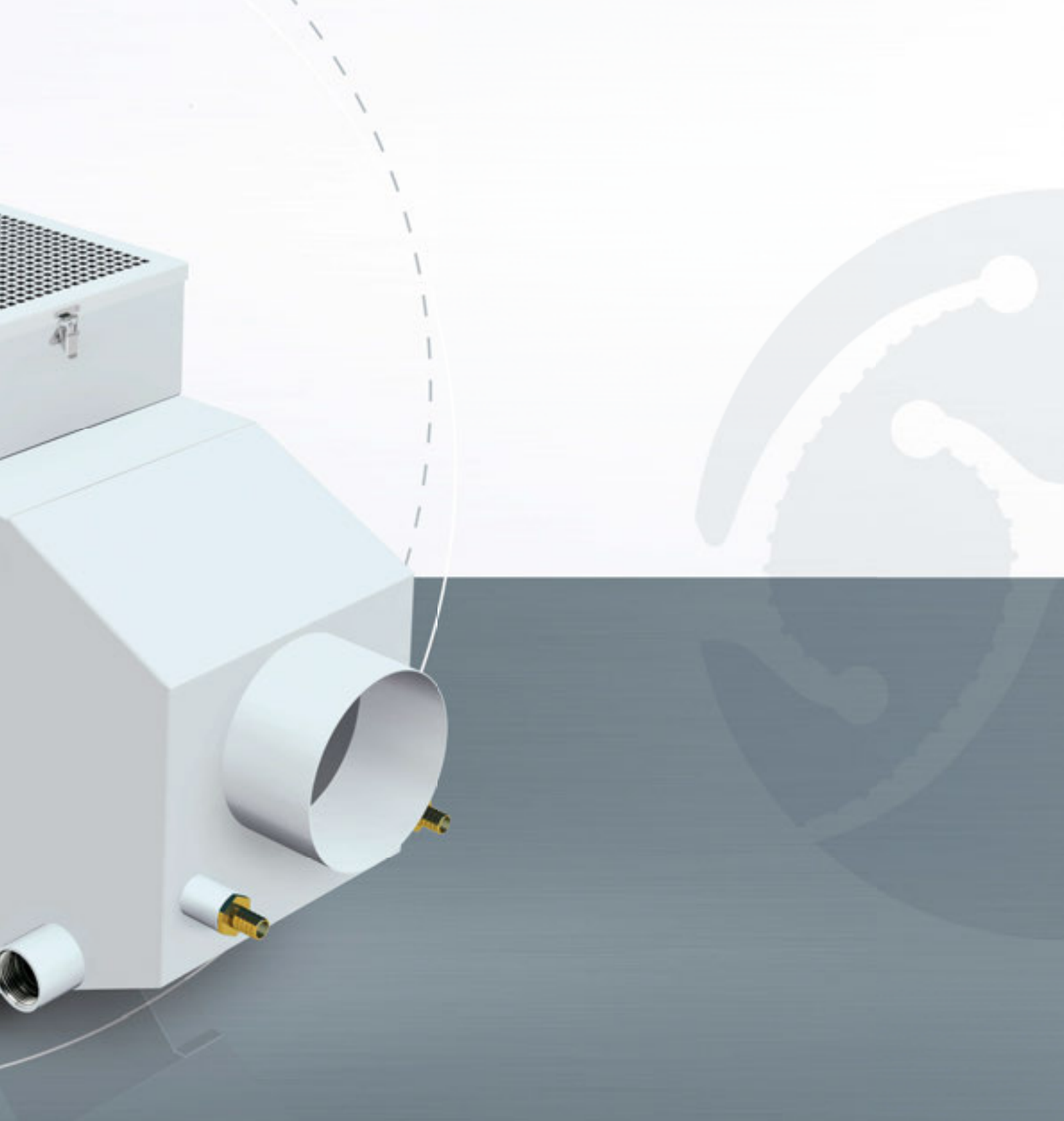
3* Power data referring to the operational power.

Other voltages on request!



X-CYCLONE® CR-XSC Series

Compact air cleaners with REVEX® spraying technology





RANGE OF APPLICATION

Cleaning of the exhaust air from cleaning facilities, cast machining tools, hardening furnaces, carbon fibre and plastics processing plants. Separation of dry, adhesive, solid and vaporous substances



TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Patented REVEX® spraying technology with cleaning and air washing function.
- Sustainable air-cleaning concept thanks to the use of cleanable separators.
- Digital fan module XSC for fast commissioning, flexibility and high performance.
- Fan impeller and motor with energy-efficient eco-design in accordance with the European Directive on Energy-related Products (ErP). Energy-saving potential of up to Euro 2,000 per year compared to traditional air cleaners.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Agglomeration system made of stainless steel, suitable for the removal of PM_{2.5}.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Intelligent functional display.
- Designed, constructed and produced in Germany.

Further information

www.reven.de (Technologies → for adjustment and control)

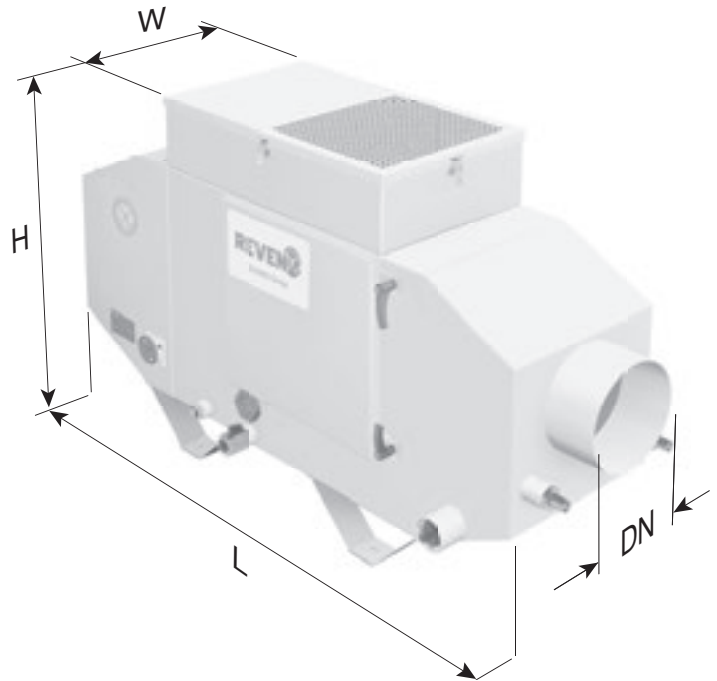
www.reven.de (Technologies → for cleaning and disinfection)



- State-of-the-art design protected by international design patent rights.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the enclosure.

ACCESSORIES

- EUREVEN® F2011 filter made of moisture-repelling, synthetic material, easy to clean; suitable for low smoke generation.
- Particulate air filter top unit, suitable for processes with high smoke emission.
- Self-cleaning REVEX® HEPA filters, suitable for aerosols with ultrafine solid and liquid particles.
- Honeycomb agglomerator, suitable for high steam concentrations.
- Chip protection, activated carbon filter and bag filter.
- Extraction hoses, capture hoods and brackets.



TECHNICAL DATA – X-CYCLONE® CR-XSC SERIES

| Type of device | Extraction volume [m³/h] | | Electrical data | | | | | | Dimensions | | | | Weight [kg] | Noise level [dB(A)] |
|----------------|--------------------------|-------|-----------------|-------|-------------|-------|--------------|-------|-------------|------------|-------------|-----------------------------|-------------|---------------------|
| | | | Voltage [V] | | Current [A] | | Power 3* [W] | | Length [mm] | Width [mm] | Height [mm] | Connecting diameter DN [mm] | | |
| | 1* | 2* | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | | | | | | |
| CR-2-XSC | 700 | 1500 | 3~400 | 3~460 | 0.50 | 0.50 | 298 | 343 | 1065 | 360 | 765 | 150 | 52 | 63 |
| CR-3-XSC | 1100 | 2600 | 3~400 | 3~460 | 0.80 | 0.80 | 466 | 535 | 1200 | 370 | 765 | 200 | 60 | 65 |
| CR-4-XSC | 1600 | 4000 | 3~400 | 3~460 | 1.90 | 1.90 | 1106 | 1272 | 1250 | 450 | 845 | 300 | 84 | 67 |
| CR-5-XSC | 2400 | 4500 | 3~400 | 3~460 | 2.10 | 2.10 | 1208 | 1472 | 1280 | 550 | 925 | 300 | 116 | 67 |
| CR-6-XSC | 3800 | 6800 | 3~400 | 3~460 | 3.90 | 3.90 | 2405 | 2765 | 1360 | 655 | 1045 | 400 | 158 | 72 |
| CR-7-XSC | 6300 | 10500 | 3~400 | 3~460 | 6.20 | 6.20 | 3823 | 4396 | 1400 | 820 | 1205 | 500 | 246 | 72 |

1* Extraction volume when connected to the extraction system with three filters installed.

2* Extraction volume in unconnected, free-blowing state without filter(s).

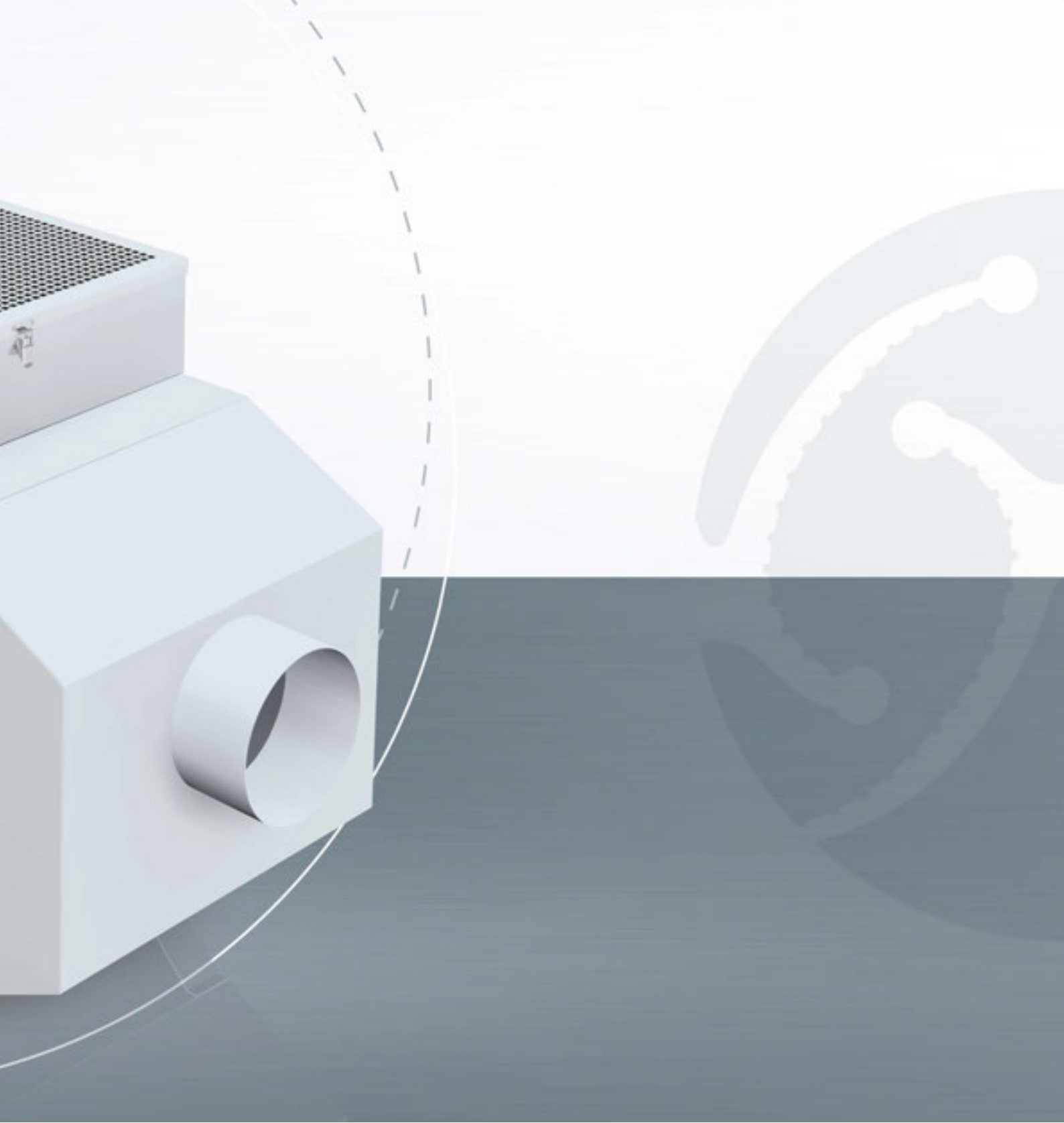
3* Power data referring to the operational power.

Other voltages on request!



X-CYCLONE® CE-XSC Series

Electrostatic air cleaners for oil-based aerosols





RANGE OF APPLICATION

Cleaning of the exhaust air from processing machines, coating plants or food-processing lines. Separation of oil-based aerosols such as cooling lubricants or spray mist.



TECHNICAL HIGHLIGHTS

- Combination of the patented high-performance X-CYCLONE® separating system and an electrostatic precipitator with an efficiency rate of up to 99.9999 %.
- Compliance with ozone exposure limits.
- Sustainable air-cleaning concept thanks to the use of cleanable separators.
- Digital fan module XSC for fast commissioning, flexibility and high performance.
- Fan impeller and motor with energy-efficient eco-design in accordance with the European Directive on Energy-related Products (ErP). Energy-saving potential of up to Euro 2,000 per year compared to traditional air cleaners.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Agglomeration system made of stainless steel, suitable for the removal of PM_{2.5}.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Intelligent functional display and high-voltage module.
- Designed, constructed and produced in Germany.

Further information

www.reven.de (Technologies → for adjustment and control)

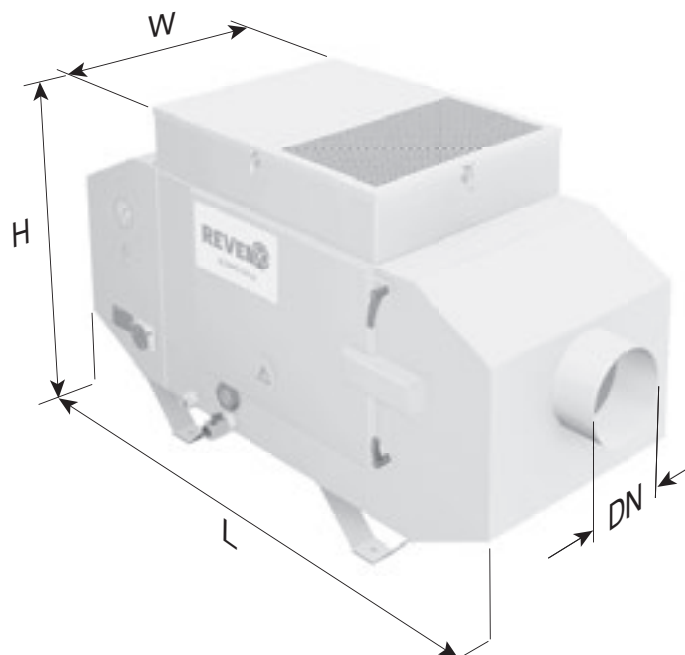
www.reven.de (Technologies → for cleaning and disinfection)



- State-of-the-art design protected by international design patent rights.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the enclosure.

ACCESSORIES

- REVEN® Pipe.
- Particulate air filter top unit, suitable for processes with high smoke emission.
- Self-cleaning REVEX® HEPA filters, suitable for aerosols with ultrafine solid and liquid particles.
- Agglomeration system made of stainless steel, suitable for the removal of PM_{1.0}.
- Chip protection, activated carbon filter and bag filter.
- Extraction hoses, capture hoods and brackets.



TECHNICAL DATA – X-CYCLONE® CE-XSC SERIES

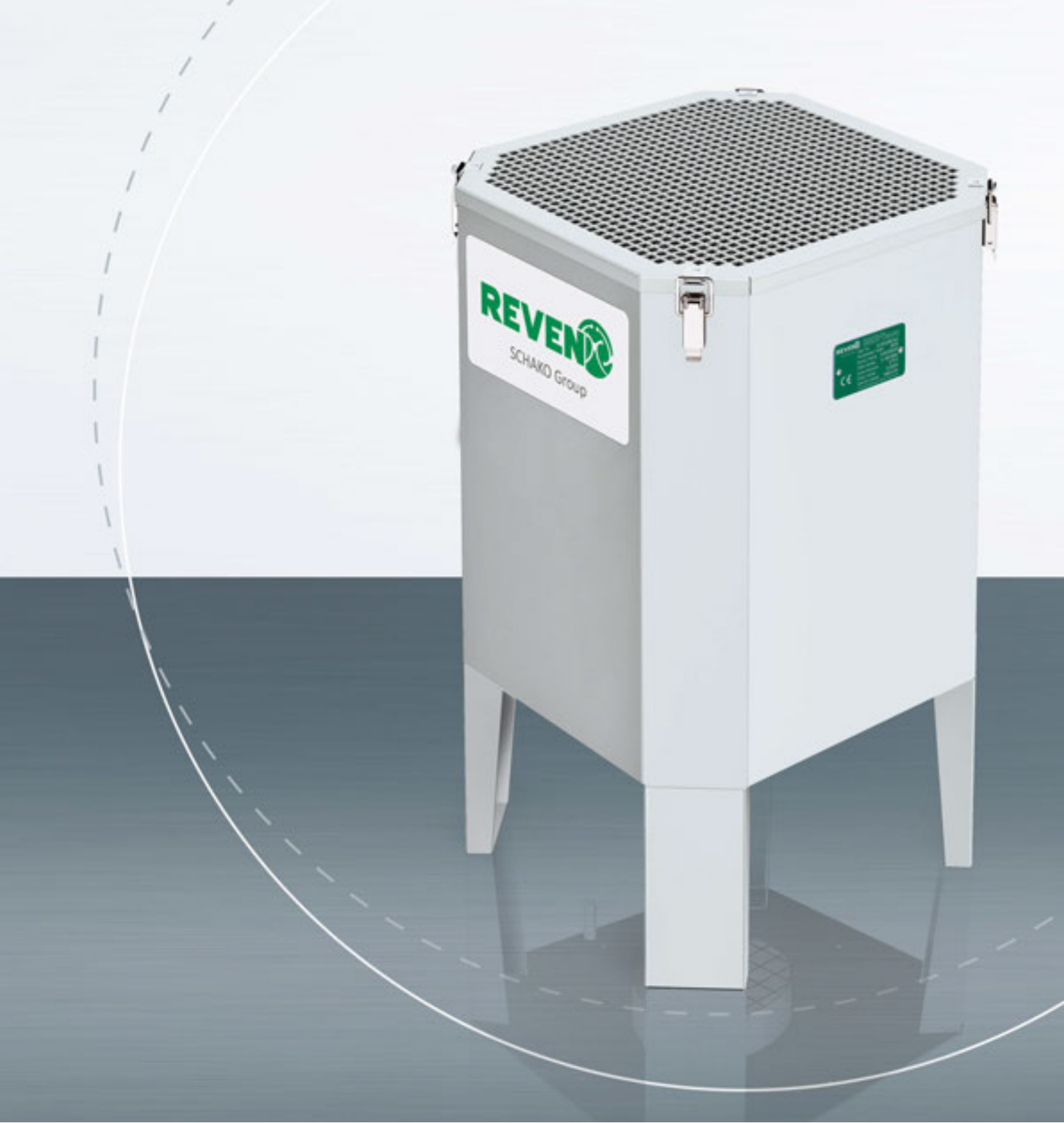
| Type of device | Extraction volume [m³/h] | | Collectors | Electrical data | | | | | | Dimensions | | | | Weight [kg] | Noise level [dB(A)] |
|-------------------|--------------------------------|------|------------|-----------------|-------|----------------|-------|-----------------|-------|----------------|---------------|----------------|---|----------------|---------------------------|
| | | | | Voltage [V] | | Current [A] | | Power 3* [W] | | Length [mm] | Width [mm] | Height [mm] | Con- necting diameter DN [mm] | | |
| | 1* | 2* | | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | | | | | | |
| CE10-1-XSC | 1000 | 1500 | 1 | 3~400 | 3~460 | 0.60 | 0.60 | 357 | 411 | 1335 | 560 | 810 | 200 | 117 | 65 |
| CE10-2-XSC | 1000 | 1500 | 2 | 3~400 | 3~460 | 0.60 | 0.60 | 357 | 411 | 1540 | 560 | 810 | 200 | 143 | 65 |
| CE10-3-XSC | 1000 | 1500 | 3 | 3~400 | 3~460 | 0.60 | 0.60 | 357 | 411 | 1755 | 560 | 810 | 200 | 169 | 65 |
| CE17-1-XSC | 1700 | 2600 | 1 | 3~400 | 3~460 | 1.05 | 1.05 | 611 | 703 | 1375 | 525 | 900 | 200 | 121 | 67 |
| CE17-2-XSC | 1700 | 2600 | 2 | 3~400 | 3~460 | 1.05 | 1.05 | 611 | 703 | 1590 | 525 | 900 | 200 | 148 | 67 |
| CE17-3-XSC | 1700 | 2600 | 3 | 3~400 | 3~460 | 1.05 | 1.05 | 611 | 703 | 1800 | 525 | 900 | 200 | 175 | 67 |
| CE25-1-XSC | 2500 | 4500 | 1 | 3~400 | 3~460 | 1.99 | 1.99 | 1213 | 1395 | 1375 | 650 | 900 | 300 | 150 | 70 |
| CE25-2-XSC | 2500 | 4500 | 2 | 3~400 | 3~460 | 1.99 | 1.99 | 1213 | 1395 | 1590 | 650 | 900 | 300 | 185 | 70 |
| CE25-3-XSC | 2500 | 4500 | 3 | 3~400 | 3~460 | 1.99 | 1.99 | 1213 | 1395 | 1800 | 650 | 900 | 300 | 219 | 70 |

1* Extraction volume when connected to the extraction system with the filter(s) installed.

2* Extraction volume in unconnected, free-blowing state without filter.

3* Power data referring to the operational power.

Other voltages on request!



X-CYCLONE® RJ Series

Inexpensive compact air cleaners for water-based aerosols





RANGE OF APPLICATION

Cleaning of the exhaust air from processing machines, coating plants or food-processing lines. Separation of water-based aerosols such as cooling lubricants or spray mist.



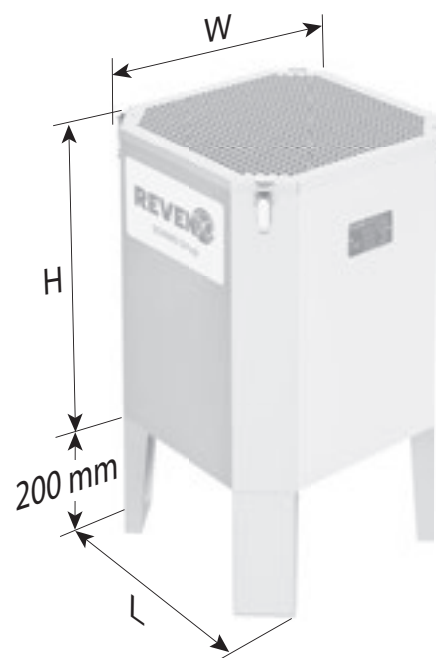
TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Sustainable air-cleaning concept thanks to the use of cleanable separators.
- Fan impeller and motor with energy-efficient eco-design in accordance with the European Directive on Energy-related Products (ErP). Energy-saving potential of up to Euro 1,000 per year compared to traditional air cleaners.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the enclosure.



ACCESSORIES

- EUREVEN® F2011 filter top unit with moisture-repelling, synthetic filter material, easy to clean; suitable for low smoke generation.
- Particulate air filter top unit, suitable for high smoke generation.
- Agglomeration system made of stainless steel, suitable for the removal of PM_{2.5}.
- Honeycomb agglomerator, suitable for high steam concentrations.
- REVEN® TEC Pipe for the condensation of steam and oil vapours.
- Chip protection, activated carbon filter and bag filter.
- Extraction hoses, capture hoods and brackets.
- Set of device supports.



TECHNICAL DATA – X-CYCLONE® RJ SERIES

| Type of device | Extraction volume [m³/h] | | Electrical data | | | | | | Dimensions | | | | Weight [kg] | Noise level [dB(A)] |
|----------------|--------------------------|------|-----------------|-------|-------------|-------|--------------|-------|-------------|------------|-------------|-----------------------------|-------------|---------------------|
| | | | Voltage [V] | | Current [A] | | Power 3* [W] | | Length [mm] | Width [mm] | Height [mm] | Connecting diameter DN [mm] | | |
| | 1* | 2* | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | | | | | | |
| RJ-1 | 400 | 700 | 1~230 | 1~115 | 0.80 | 1.20 | 84 | | 300 | 300 | 230 | 100 | 10 | 40 |
| RJ-2 | 1000 | 1500 | 3~400 | 3~460 | 0.90 | 0.77 | 400 | | 410 | 410 | 480 | 160 | 26 | 63 |
| RJ-3 | 1400 | 2600 | 3~400 | 3~460 | 1.61 | 1.43 | 650 | | 410 | 410 | 480 | 160 | 30 | 65 |

1* Extraction volume when connected to the extraction system with the filter(s) installed.

2* Extraction volume in unconnected, free-blowing state without filter.

3* Power data referring to the operational power.

Other voltages on request!



Emulsion Mist Separator **SARA® Ultra-Eco Compact (UEC 1000)**

Inexpensive compact air cleaner for water-based aerosols

CLEAN AIR THANKS TO A SOPHISTICATED DESIGN AND SPEZIAL FILTERS

The new emulsion mist separator SARA® Ultra-Eco compact (abbreviated to "UEC 1000", formerly "REVEN® SH") is an outstanding product among the currently available industrial air cleaners and is distinguished by a favourable price-performance ratio, a compact and environmentally sound design and low energy consumption.



Exclusively available at <https://www.saratools.com>

REVEN 
SCHAKO Group

RANGE OF APPLICATION

Cleaning of the exhaust air from processing machines, coating plants and food processing lines. Separation of water-based aerosols such as cooling lubricants or spray mist.



TECHNICAL HIGHLIGHTS

- CFD-optimised, high-performance separating system with a separating efficiency of up to 99.9999 %.
- Particulate air filter integrated with the housing.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Long-term use of filters with long replacement intervals thanks to REVEN® LTH particulate filters (LTH = Long-Term HEPA).
- Sustainable air-cleaning concept due to the use of a cleanable, high-performance separating system.
- Fan impeller and motor with energy-efficient eco-design in accordance with the European Directive on Energy-related Products (ErP). Energy-saving potential of up to Euro 1,000 per year compared to traditional air cleaners.
- Housing 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the high-performance separating system and the corrosion resistance of the housing.

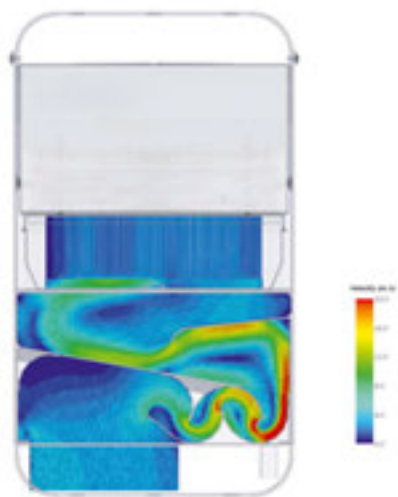
Further information

www.saratools.com

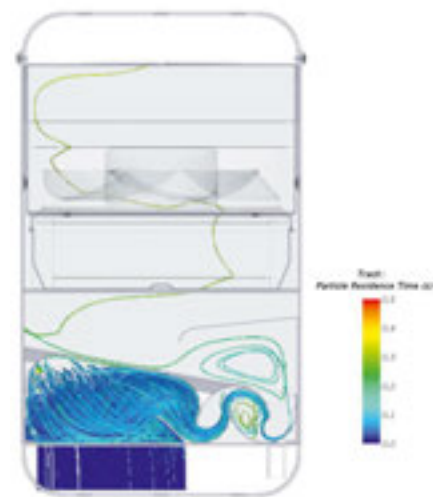


SCIENTIFIC TESTING AND OPTIMISATION WITH THE HELP OF CFD

Rentschler REVEN uses computational fluid dynamics technology to analyse airflow behaviour and optimise separating efficiency in industrial air cleaning. The computer software simulates the airflow behaviour, and the design of the device is continuously improved until the best possible separating efficiency for pollutant particles is achieved.



CFD figure 1:
airflow simulation



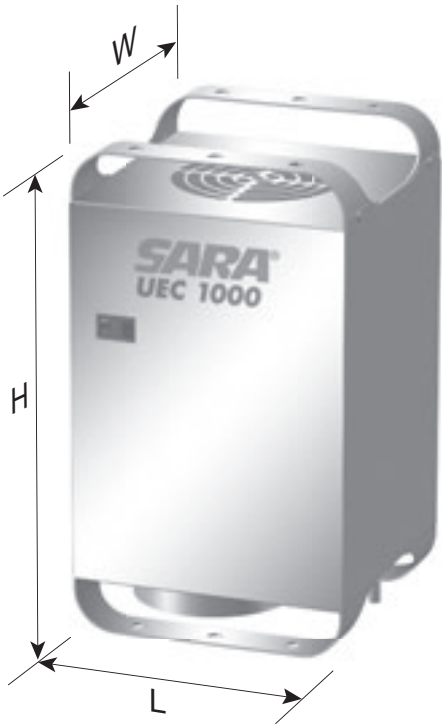
CFD figure 2:
behaviour of the pollutant particles

TECHNICAL DATA – SARA® UEC 1000

| Extraction volume [m³/h] | | Dimensions | | | | Weight [kg] |
|--------------------------|------|-------------|------------|-------------|-----------------------------|-------------|
| | | Length [mm] | Width [mm] | Height [mm] | Connecting diameter DN [mm] | |
| 1* | 2* | | | | | |
| 500 | 1000 | 345 | 345 | 595 | 200 | 27 |

- 1* Extraction volume when connected to the extraction system with filter installed.
2* Extraction volume in unconnected, free-blowing state without filter.

| Electrical data | | | | | | Noise level [dB(A)] |
|-----------------|-------|----------------|-------|--------------|-------|------------------------|
| Voltage [V] | | Current [A] | | Power [W] | | |
| 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | |
| 1~230 | 1~115 | 1.40 | 2.50 | 168 | | |





X-CYCLONE® RJD Series

Compact air cleaner for fine dust





RANGE OF APPLICATION

Cleaning of extracted air from dry fine dust such as grinding and graphite dust or soldering and brazing fumes.

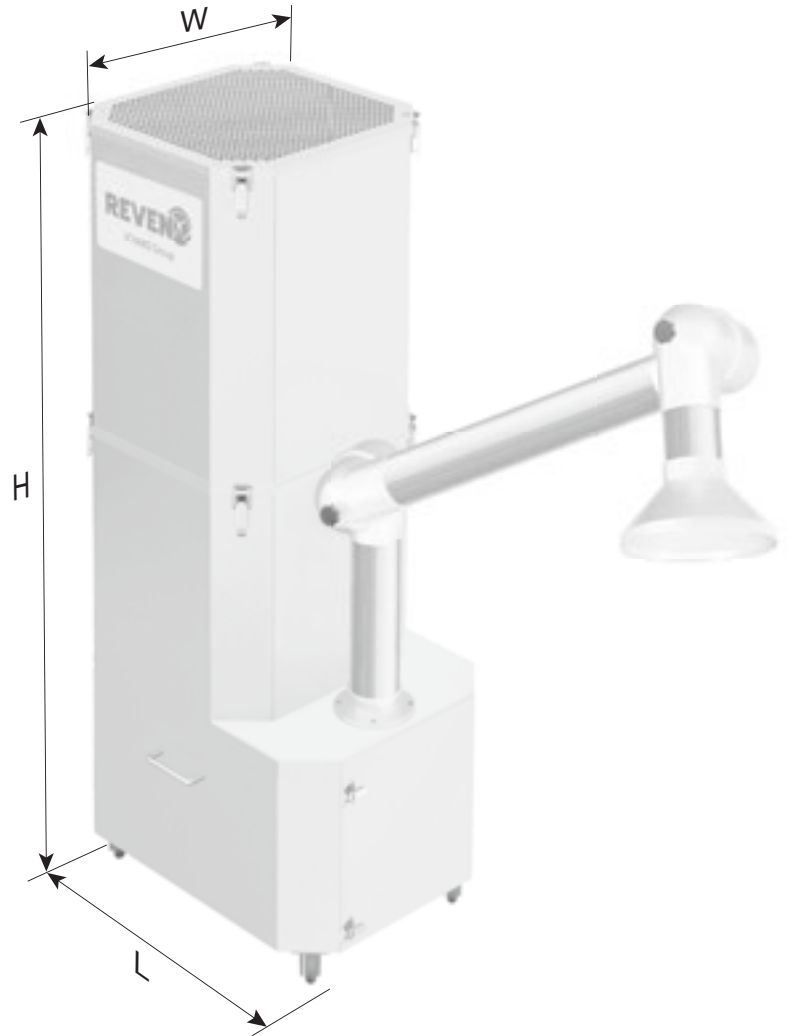
TECHNICAL HIGHLIGHTS

- High-performance EUREVEN® F2011 separating system with an efficiency rate of up to 99.9999 %. Filter module with moisture-repelling and cleanable, synthetic filter material.
- Sustainable air-cleaning concept thanks to the use of cleanable separators.
- Fan impeller and motor with energy-efficient eco-design in accordance with the European Directive on Energy-related Products (ErP). Energy-saving potential of up to Euro 1,000 per year compared to traditional air cleaners.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the corrosion resistance of the enclosure.



ACCESSORIES

- Flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Particulate air filter top unit, suitable for processes with high smoke and dust emissions.
- Activated carbon filter top unit for the reduction of odour nuisance.



TECHNICAL DATA – X-CYCLONE® RJD SERIES

| Type of device | Extraction volume [m³/h] | Electrical data | | | | | | Dimensions | | | Weight [kg] | Noise level [dB(A)] |
|----------------|--------------------------|-----------------|-------|-------------|-------|--------------|-------|-------------|------------|-------------|-------------|---------------------|
| | | Voltage [V] | | Current [A] | | Power 1* [W] | | Length [mm] | Width [mm] | Height [mm] | | |
| | | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | | | | | |
| RJD-1 | 500 | 3~400 | 3~460 | 1.61 | 1.43 | 650 | | 560 | 410 | 1220 | 70 | 65 |

1* Power data referring to the operational power.
Other voltages on request!



REVEN® T Series

Powerless air cleaner tables with REVEN® air-induction system



RANGE OF APPLICATION

Compact cleaning table with integrated air cleaner for cleaning and inspection work. Suitable for a wide range of applications because it does not require an electric power supply. Cleaning is performed by compressed air.

TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system, integrated into the table, efficiency rate of up to 99.9999 %.
- Sustainable air-cleaning concept thanks to the use of cleanable separators.
- Powerless system requiring only a compressed air supply.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the enclosure.



Further information

<https://flic.kr/s/aHsknefZ6B>



ACCESSORIES

- Activated carbon filter module, suitable for fitting to the air outlet.
- Filter mat at the air outlet for post-filtering and noise reduction.
- Table extension with washing facility and sink (TW-1).



TECHNICAL DATA – REVEN® T SERIES

| Type of device | Dimensions | | | Weight [kg] |
|----------------|-------------|------------|-------------|-------------|
| | Length [mm] | Width [mm] | Height [mm] | |
| T-1 | 300 | 300 | 1300 | 26 |
| T-2 | 400 | 500 | 1300 | 40 |
| T-3 | 500 | 500 | 1300 | 48 |
| T-4 | 1000 | 500 | 1300 | 82 |
| TW-1 | 1200 | 500 | 1300 | 96 |



REVEN® UCOH2 Series

Air cleaners for offices, private homes, hotel rooms
and smoking areas



RANGE OF APPLICATION

Compact air cleaner, ready for connection; suitable for cleaning and refreshing indoor air and improving indoor air quality; removal of fungal spores, fine dust, pollen, allergens and odour particles.

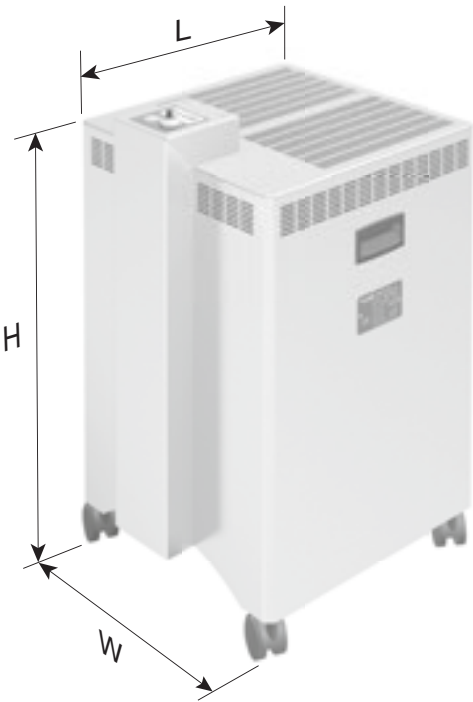
TECHNICAL HIGHLIGHTS

- High-performance EUREVEN® F2011 separating system with an efficiency rate of up to 99.9999 %. Easy-to-clean filter module with moisture-repelling, synthetic filter material.
- Thorough air cleaning and refreshing thanks to a EUREVEN® gas filter for odour reduction and a high-performance HEPA® H13 particle and fine-dust filter.
- Sustainable air-cleaning concept thanks to the use of cleanable separators and filters with extended service life.
- Fan impeller and motor with energy-efficient eco-design in accordance with the European Directive on Energy-related Products (ErP).
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the corrosion resistance of the enclosure.



ACCESSORIES

- Available with high-grade piano lacquer finish in black, particularly suitable for cigar lounges.



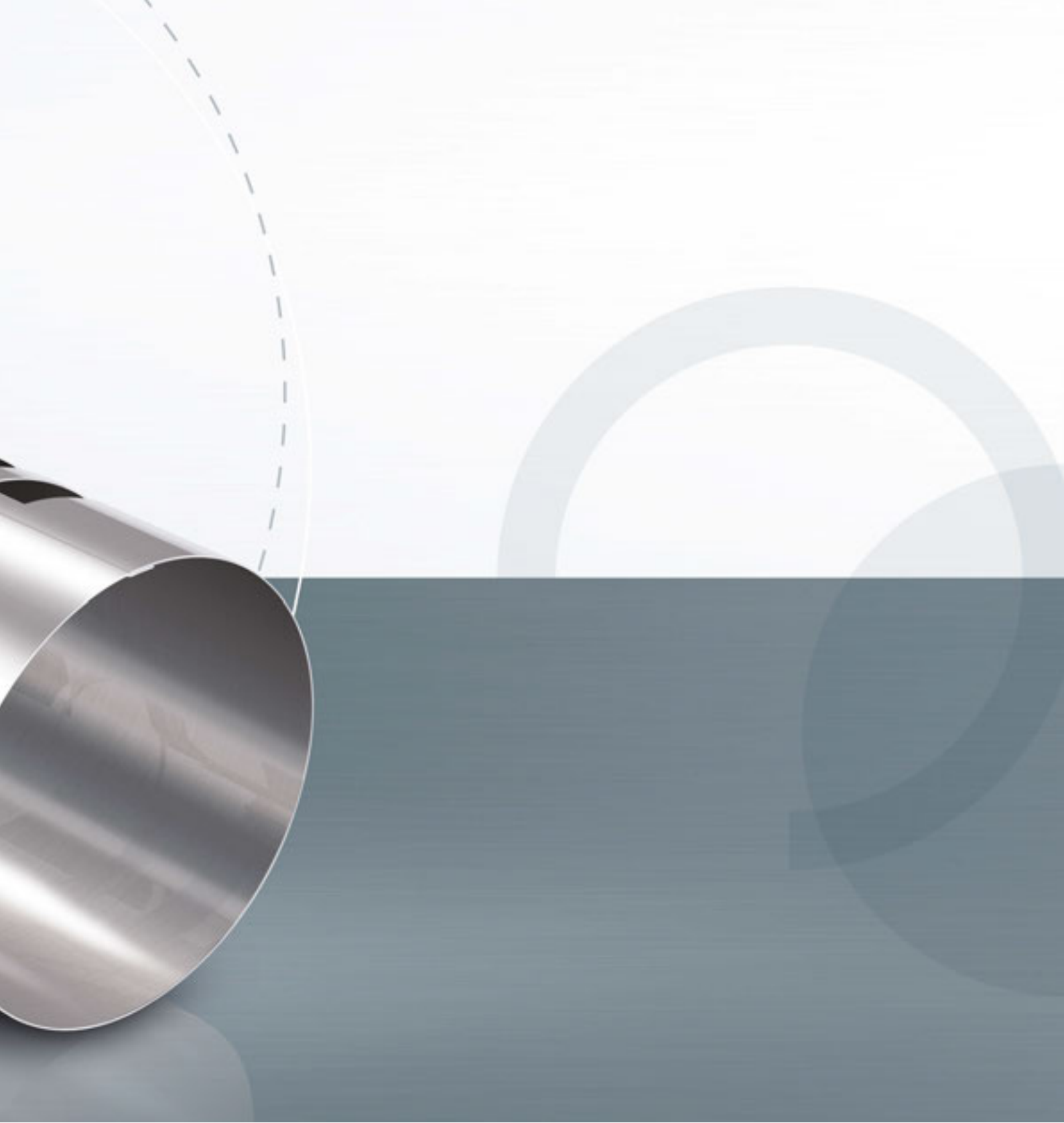
TECHNICAL DATA – REVEN® UCOH2 SERIES

| Type of device | Extraction volume [m³/h] | Electrical data | | | | | | Dimensions | | | Weight [kg] | Noise level [dB(A)] |
|----------------|--------------------------|-----------------|-------|-------------|-------|-----------|-------|-------------|------------|-------------|-------------|---------------------|
| | | Voltage [V] | | Current [A] | | Power [W] | | Length [mm] | Width [mm] | Height [mm] | | |
| | | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | | | | | |
| UCOH2 | 500 | 1~230 | 1~115 | 1.40 | 2.50 | 168 | | 455 | 400 | 690 | 30 | ≤ 50 |



REVEN® Pipe Series

Condenser for the X-CYCLONE® C-XSC and CE-XSC series





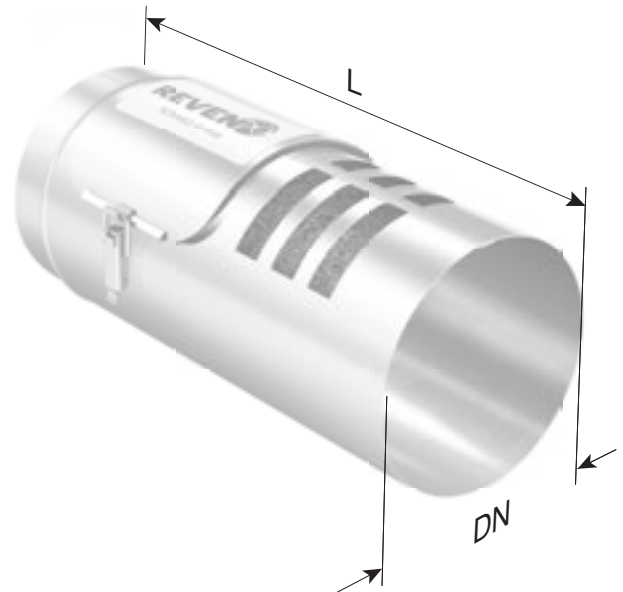
RANGE OF APPLICATION

Compact condensation system for steam and oil vapours, suitable accessory for the X-CYCLONE® C-XSC and CE-XSC series.

TECHNICAL HIGHLIGHTS

- Efficient condensation system made of stainless steel.
- Efficient air guidance straight to the condenser.
- Sustainable air-cleaning concept thanks to the use of cleanable components.
- Enclosure, condenser and all control elements 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the corrosion resistance of the enclosure.





TECHNICAL DATA – REVEN® PIPE SERIES

| Type of device | Extraction volume [m³/h] | Length [mm] | Connecting diameter [mm] | Weight [kg] |
|----------------|-----------------------------|----------------|-----------------------------|----------------|
| Pipe 1 | 800 | 400 | 150 | 3 |
| Pipe 2 | 1700 | 400 | 200 | 5 |
| Pipe 3 | 4000 | 400 | 300 | 8 |
| Pipe 4 | 5000 | 400 | 400 | 12 |



Smoke filters

Air Cleaners for smoke, dust and gas generated in the electrical, photovoltaic, laser and metal industries





X-CYCLONE® WM Series

Compact mobile air cleaners for smoke extraction during welding and laser-machining processes

THE BENEFITS OF X-CYCLONE® WELDING SMOKE EXTRACTION DEVICES

- The sturdy housing made of corrosion-proof stainless steel offers considerably higher stability and durability than less expensive versions made of steel sheet or plastic.
- The extraction arm with integrated mechanics and the capture nozzle comply with industry's state-of-the-art requirements.
- The particulate air filter is fitted with a high-grade glass fibre medium and offers a large filter surface. It is distinguished by a considerably longer service life than traditional welding smoke filters.
- All filters are fitted with robust stainless steel frames and provide much more stability than lower priced products with paper, wood or plastic frames.
- The device reliably resists flame and spark penetration in compliance with international standards. The spark- and flame-arresting capability has been proven in tests. The system offers much more safety than non-certified baffle plate separators.
- The medium-pressure fan is encapsulated in a flow-dynamic optimized

housing of cast aluminium. There are no exposed electrical components or motor parts.

- The air-handling capacities specified in the documentation are achieved over the entire service life.
- The intelligent monitoring system with electronic flow sensors ensures permanent functional monitoring of extraction.



RANGE OF APPLICATION

Cleaning of air extracted from welding work.

Also suitable for cutting, marking and laser welding in the electrical and metal-processing industries.

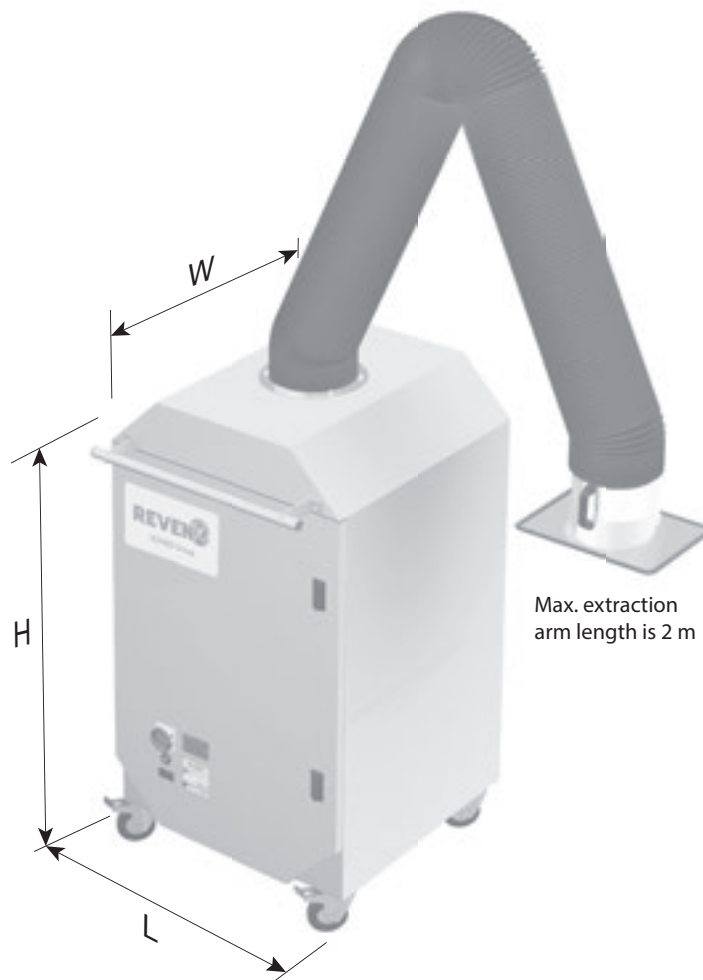
TECHNICAL HIGHLIGHTS

- Air-handling capacity of 2,000 m³/h; the extraction arm with integrated mechanics has a diameter of 200 mm and a maximum length of 2 m. Two extraction arms with a diameter of 160 mm each are optionally available.
- Long maintenance intervals due to REVEN® LTH (Long-Term HEPA) particulate air filters with a filter surface of 30 m².
- Long-life REVEN® LT HEPA filters with a service life of up to three years.*
- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- X-CYCLONE® basic elements with flame- and spark-arresting capability, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Sustainable air-cleaning concept thanks to the use of cleanable separators and filters with an extended service life.
- Fan impeller and electric motor encapsulated in a separate, flow-optimized pressure casing; energy-efficient eco-design in accordance with the European Directive on Energy-related Products (ErP). Energy-saving potential of up to Euro 2,000 per year compared to traditional air cleaners.

* Depends on the air load to be handled and the daily operating periods (one or more shifts).



- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Housing 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Intelligent functional display.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the housing.



TECHNICAL DATA – X-CYCLONE® WM SERIES

| Type of device | Number of extraction arms | Airflow rate [m³/h] | Electrical data | | | | | |
|----------------|---------------------------|---------------------|-----------------|-------|-------------|-------|--------------|-------|
| | | | Voltage [V] | | Current [A] | | Power 1* [W] | |
| | | | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz |
| WM-1 | 1 | 2000 | 3~400 | 3~480 | 4.40 | | 2000 | |
| WM-2 | 2 | 2000 | 3~400 | 3~480 | 4.40 | | 2000 | |

| Type of device | Number of extraction arms | Dimensions | | | | | Weight [kg] | Noise level [dB(A)] |
|----------------|---------------------------|-------------|------------|-------------|------------------|---------------|-------------|---------------------|
| | | Device | | | Extraction arm | | | |
| | | Length [mm] | Width [mm] | Height [mm] | Max. length [mm] | Diameter [mm] | | |
| WM-1 | 1 | 720 | 700 | 1360 | 2000 | 200 | 187 | 75 |
| WM-2 | 2 | 720 | 700 | 1360 | 2000 | 160 | 197 | 75 |

1* Power data referring to the operational power.
Other voltages on request!



X-CYCLONE® MO Series

Flexible compact air cleaners “all-in-one” suitable for the extraction of welding fumes and laser smoke as well as of liquid-based aerosols

BENEFITS OF THE ALL-IN-ONE X-CYCLONE® AIR CLEANER

- The air cleaner is suitable for simultaneous separation of aerosols with solid particles and liquid-based aerosols.
- The stainless steel housing is robust and resists perfectly to corrosion.
- The extraction arm with integrated mechanics and the capture nozzle comply with industry's state-of-the-art requirements.
- The particulate air filter is fitted with a high-grade glass fibre medium and offers a large filter surface. It is distinguished by a considerably longer service life than traditional welding smoke filters.
- All filters are fitted with robust stainless steel frames and provide much more stability than lower priced products with paper, wood or plastic frames.
- The device reliably resists flame and spark penetration in compliance with international standards. The spark- and flame-arresting capability has been proven in tests. The system offers much more safety than non-certified baffle plate separators.
- The medium-pressure fan is encapsulated in a flow-dynamic optimized

housing of cast aluminium. There are no exposed electrical components or motor parts.

- The air-handling capacities specified in the documentation are achieved over the entire service life.
- The intelligent monitoring system with electronic flow sensors ensures permanent functional monitoring of extraction.





RANGE OF APPLICATION

Cleaning of exhaust from welding work.

Also suitable for the simultaneous separation of aerosols with solid particles and liquid-based aerosols, such as spray mists and other exhausts in the metal-processing sector and the electrical industry.



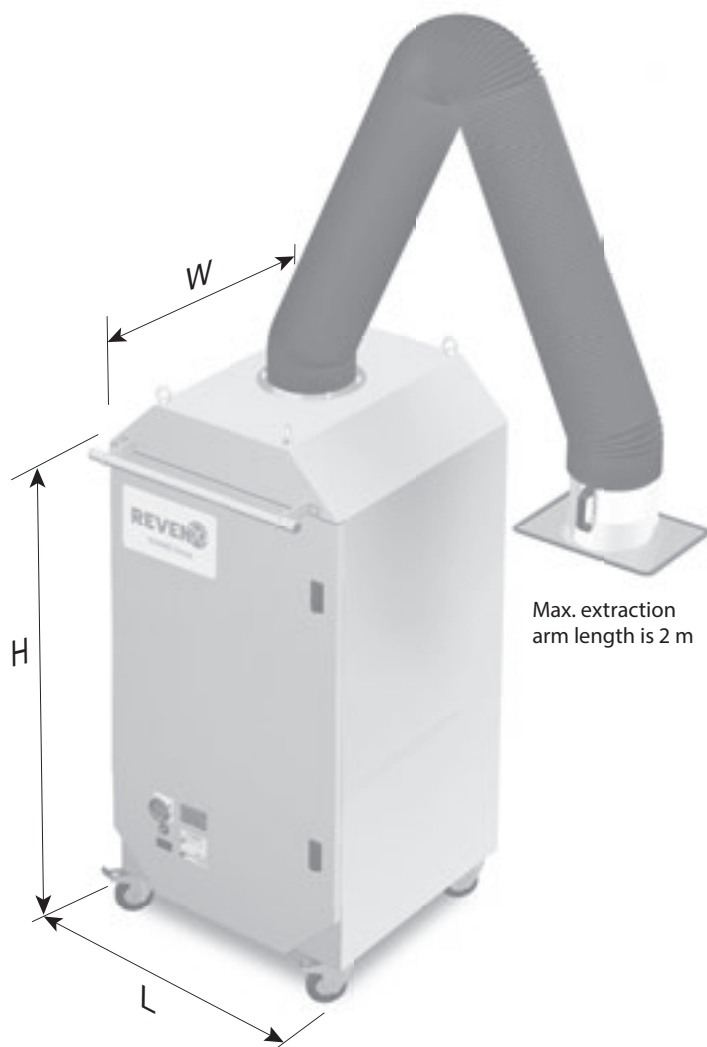
TECHNICAL HIGHLIGHTS

- Air-handling capacity of 2,000 m³/h; the extraction arm with integrated mechanics has a diameter of 200 mm and a maximum length of 2 m. Two extraction arms with a diameter of 160 mm each are optionally available.
- Long maintenance intervals due to REVEN® LTH (Long-Term HEPA) particulate air filters with a filter surface of 30 m².
- Long-life REVEN® LT HEPA filters with a service life of up to three years.*
- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- X-CYCLONE® basic elements with flame- and spark-arresting capability, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Sustainable air-cleaning concept thanks to the use of cleanable separators and filters with an extended service life.
- Fan impeller and electric motor encapsulated in a separate, flow-optimized pressure casing; energy-efficient eco-design in accordance with the European Directive on Energy-related Products (ErP). Energy-saving potential of up to Euro 2,000 per year compared to traditional air cleaners.

* Depends on the air load to be handled and the daily operating periods (one or more shifts).



- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Housing 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Intelligent functional display.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the housing.

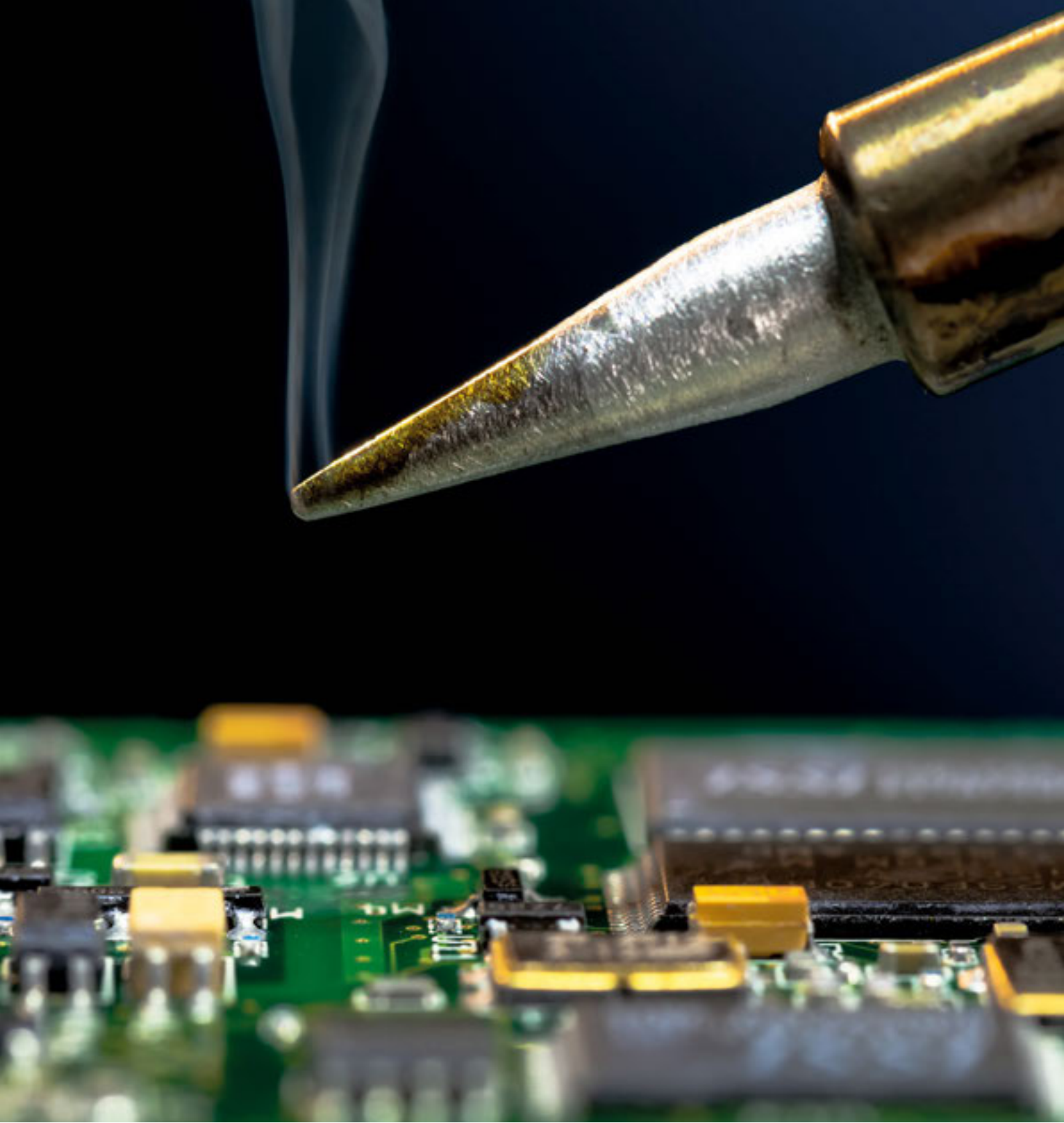


TECHNICAL DATA – X-CYCLONE® MO SERIES

| Type of device | Number of extraction arms | Airflow rate [m³/h] | Electrical data | | | | | |
|----------------|---------------------------|---------------------|-----------------|-------|-------------|-------|--------------|-------|
| | | | Voltage [V] | | Current [A] | | Power 1* [W] | |
| | | | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz |
| MO-1 | 1 | 2000 | 3~400 | 3~480 | 4.40 | | 2000 | |
| MO-2 | 2 | 2000 | 3~400 | 3~480 | 4.40 | | 2000 | |

| Type of device | Number of extraction arms | Dimensions | | | | | Weight [kg] | Noise level [dB(A)] |
|----------------|---------------------------|-------------|------------|-------------|------------------|---------------|-------------|---------------------|
| | | Device | | | Extraction arm | | | |
| | | Length [mm] | Width [mm] | Height [mm] | Max. length [mm] | Diameter [mm] | | |
| MO-1 | 1 | 750 | 750 | 1760 | 2000 | 200 | 259 | 75 |
| MO-2 | 2 | 750 | 750 | 1760 | 2000 | 160 | 268 | 75 |

1* Power data referring to the operational power.
Other voltages on request!



X-CYCLONE® LM Series

Compact mobile air cleaners for smoke extraction during welding, soldering and brazing processes

THE BENEFITS OF X-CYCLONE® LASER SMOKE EXTRACTION DEVICES

- The sturdy housing made of corrosion-proof stainless steel offers considerably higher stability and durability than less expensive versions made of steel sheet or plastic.
- The particulate air filter is fitted with a high-grade glass fibre medium and offers a large filtering surface. It is distinguished by a considerably longer service life than traditional laser smoke filters.
- All filters are fitted with robust stainless steel frames and provide much more stability than lower priced products with paper, wood or plastic frames.
- The fan is made in Germany and designed for low energy consumption. It has been constructed to avoid exposing electrical components and motor parts.
- The air-handling capacities specified in the documentation are achieved over the entire service life.
- The intelligent monitoring system with electronic flow sensors ensures permanent functional monitoring of extraction.





RANGE OF APPLICATION

Removal of smoke, vapours, odours and gas from the exhaust air of processes such as 3D printing, laser engraving, laser marking, laser cutting, wafer processing, eroding and soldering.



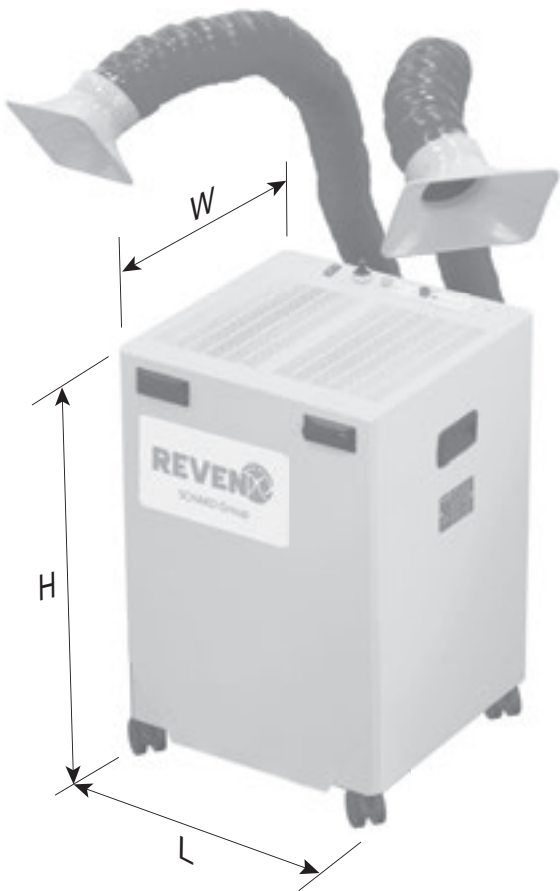
TECHNICAL HIGHLIGHTS

- High-performance EUREVEN® F2011 separating system with an efficiency rate of up to 99.9999 %. Easy-to-clean filter module with moisture-repelling, synthetic filter material.
- Thorough air cleaning and room refreshing thanks to EUREVEN® F2011 gas filters for odour reduction and HEPA H13 high-performance filters for the separation of airborne particles and fine dust.
- Sustainable air-cleaning concept thanks to the use of cleanable separators and filters with an extended service life.
- Fan impeller and motor with energy-efficient eco-designs as required by the European Directive on Energy-related Products (ErP).
- Housing 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the corrosion resistance of the housing.



ACCESSORIES

- Connection pipe socket according to the customer’s specifications.
- Powder coating in special colour.



TECHNICAL DATA – X-CYCLONE® LM SERIES

| Type of device | Airflow rate [m³/h] | Electrical data | | | | | | Dimensions | | | | Weight [kg] | Noise level [dB(A)] |
|----------------|---------------------|-----------------|-------|-------------|-------|-----------|-------|-------------|------------|-------------|---------------------|-------------|---------------------|
| | | Voltage [V] | | Current [A] | | Power [W] | | Length [mm] | Width [mm] | Height [mm] | Con-nection DN [mm] | | |
| | | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | | | | | | |
| LM-1 | 0 - 500* | 1~230 | 1~115 | 1.40 | 2.50 | 168 | | 400 | 400 | 622 | 2 x 70 | 33 | ≤ 50 |

* Airflow rate continuously adjustable from 0 to 500 m³/h.



Duct-mounting Systems

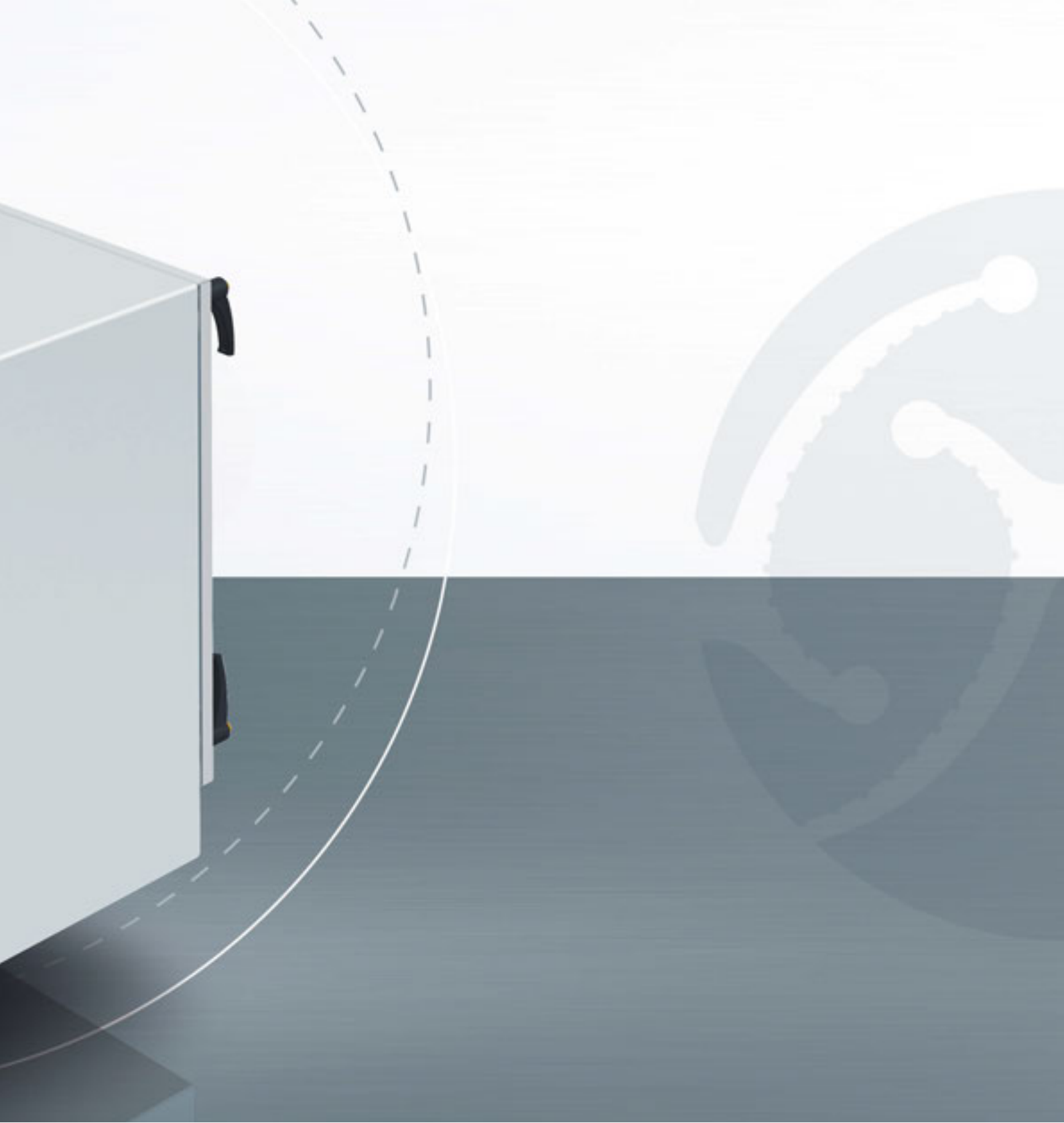
Air cleaners suitable for installation in exhaust ducts





X-CYCLONE® RKV1 Series

Duct air cleaners for pre-separation right at the machining process





RANGE OF APPLICATION

Cleaning of the exhaust air from processing machines, coating facilities, food-production plants and cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as cooling lubricants, spray mist or cooking fumes.

Suitable as pre-separator directly at the production area. Installation in horizontal or vertical exhaust ducts.



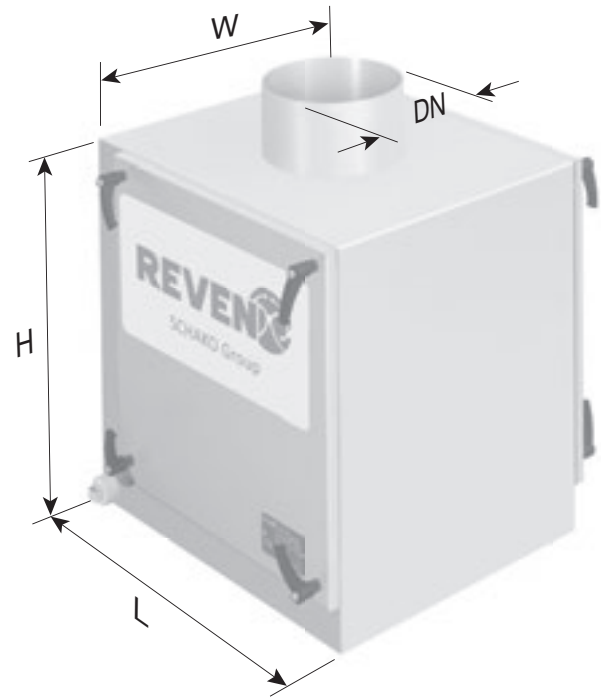
TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Sustainable air-cleaning concept thanks to the use of cleanable separators.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Effective protection of the exhaust duct against contamination.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the enclosure.



ACCESSORIES

- Differential pressure indicator to monitor the duct air cleaner.
- Adapters and reducers for connection to the exhaust ducts.
- Siphons, drain lines, connecting sleeves and shut-off valves for the separated liquids.



TECHNICAL DATA – X-CYCLONE® RKV1 SERIES

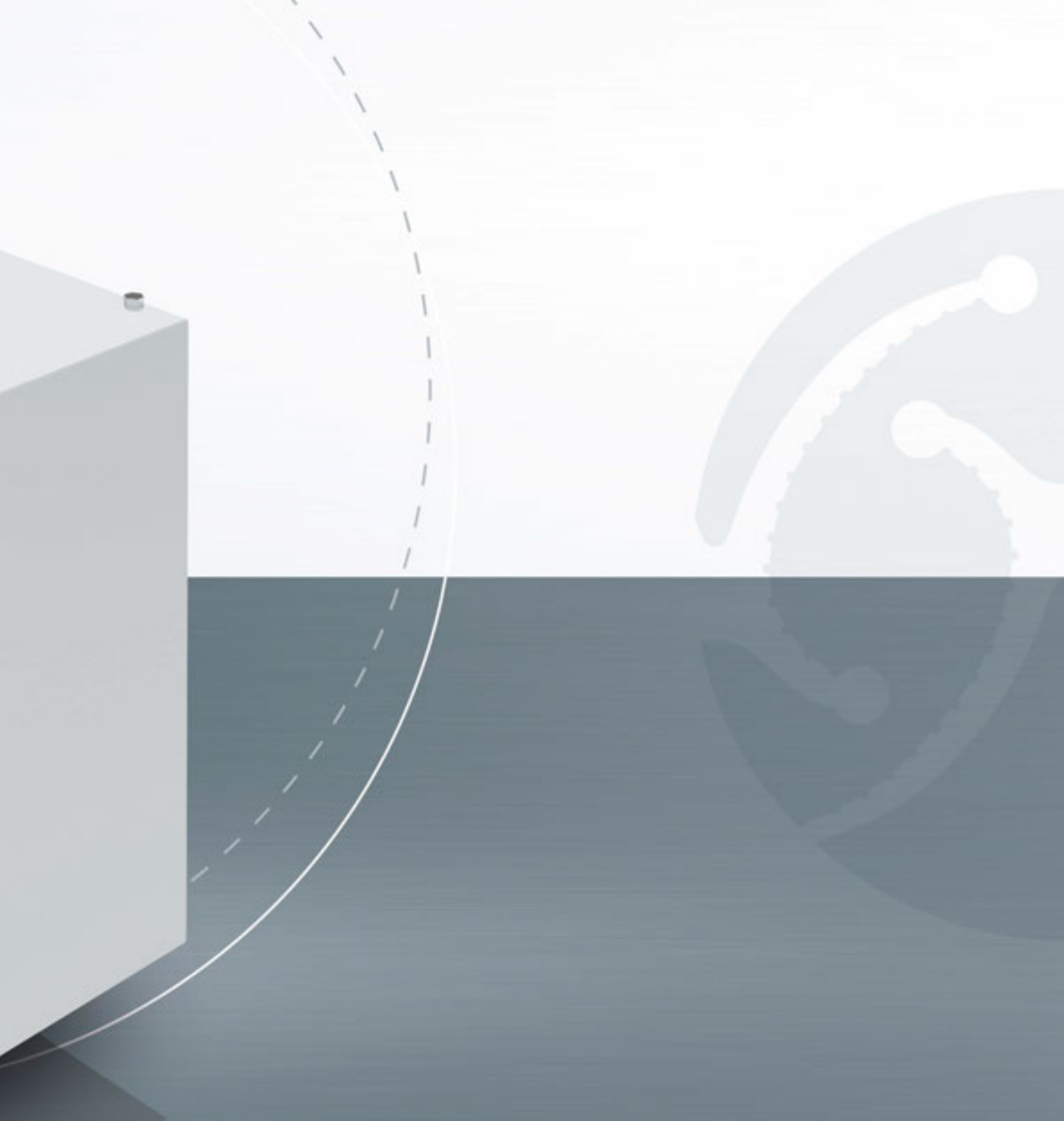
| Type of device | Extraction volume [m³/h] | Dimensions | | | | Pressure drop, total [Pa] | Weight [kg] |
|----------------|--------------------------|-------------|------------|-------------|-----------------------------|---------------------------|-------------|
| | | Length [mm] | Width [mm] | Height [mm] | Connecting diameter DN [mm] | | |
| RKV1-1 | 500 | 370 | 380 | 370 | 140 | 400 | 12 |
| RKV1-2 | 1200 | 520 | 460 | 520 | 200 | 400 | 27 |
| RKV1-3 | 2000 | 600 | 540 | 600 | 250 | 400 | 43 |
| RKV1-4 | 3500 | 800 | 660 | 800 | 355 | 400 | 91 |
| RKV1-5 | 5000 | 870 | 820 | 870 | 450 | 400 | 134 |

* Attention: The specified pressure drops are based on the assumption of an unobstructed air inflow into the X-CYCLONE® duct system and out of it. The air intake and outlet of the duct must be three times, better five times, as long as the diameter of the connection to the X-CYCLONE® duct system.



X-CYCLONE® RKV2 Series

Duct air cleaners for pre-separation right at the machining process





RANGE OF APPLICATION

Cleaning of the exhaust air from processing machines, coating facilities, food-production plants and cooking appliances in commercial kitchens. Separation of water-based aerosols such as cooling lubricants, spray mist or cooking fumes.

Suitable for installation in vertical exhaust ducts.



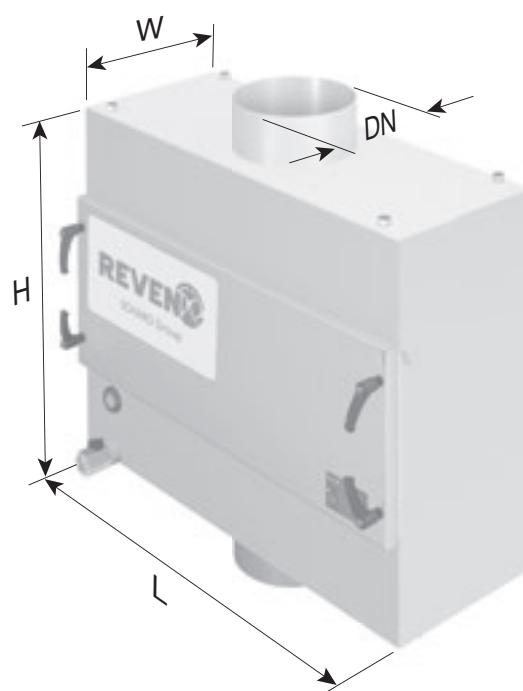
TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Agglomeration system made of stainless steel, suitable for the removal of PM_{2.5}.
- Sustainable air-cleaning concept thanks to the use of cleanable separators.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Effective protection of the exhaust duct against contamination.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the enclosure.



ACCESSORIES

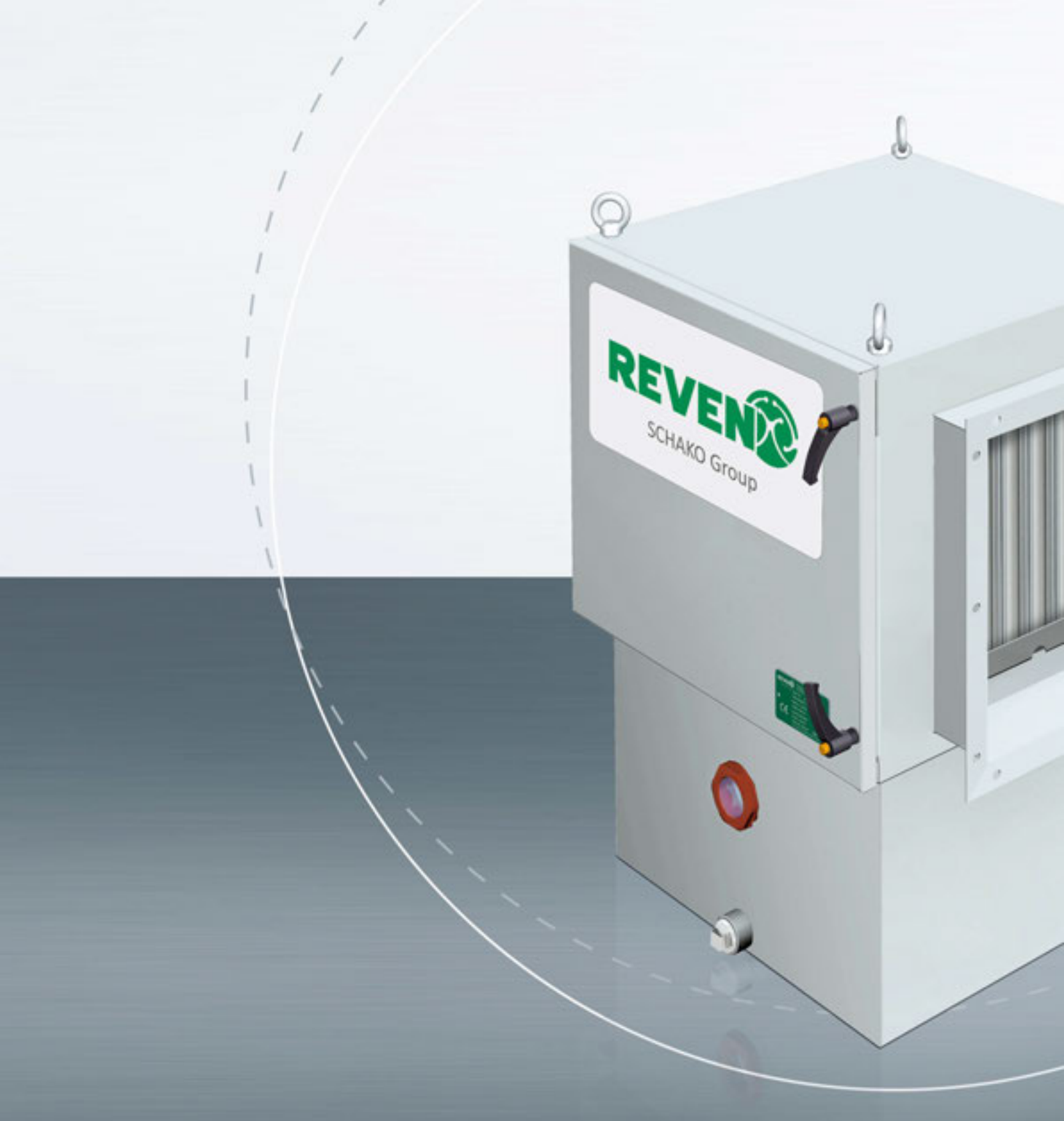
- Differential pressure indicator to monitor the duct air cleaner.
- Adapters and reducers for connection to the exhaust ducts.
- Siphons, drain lines, connecting sleeves and shut-off valves for the separated liquids.



TECHNICAL DATA – X-CYCLONE® RKV2 SERIES

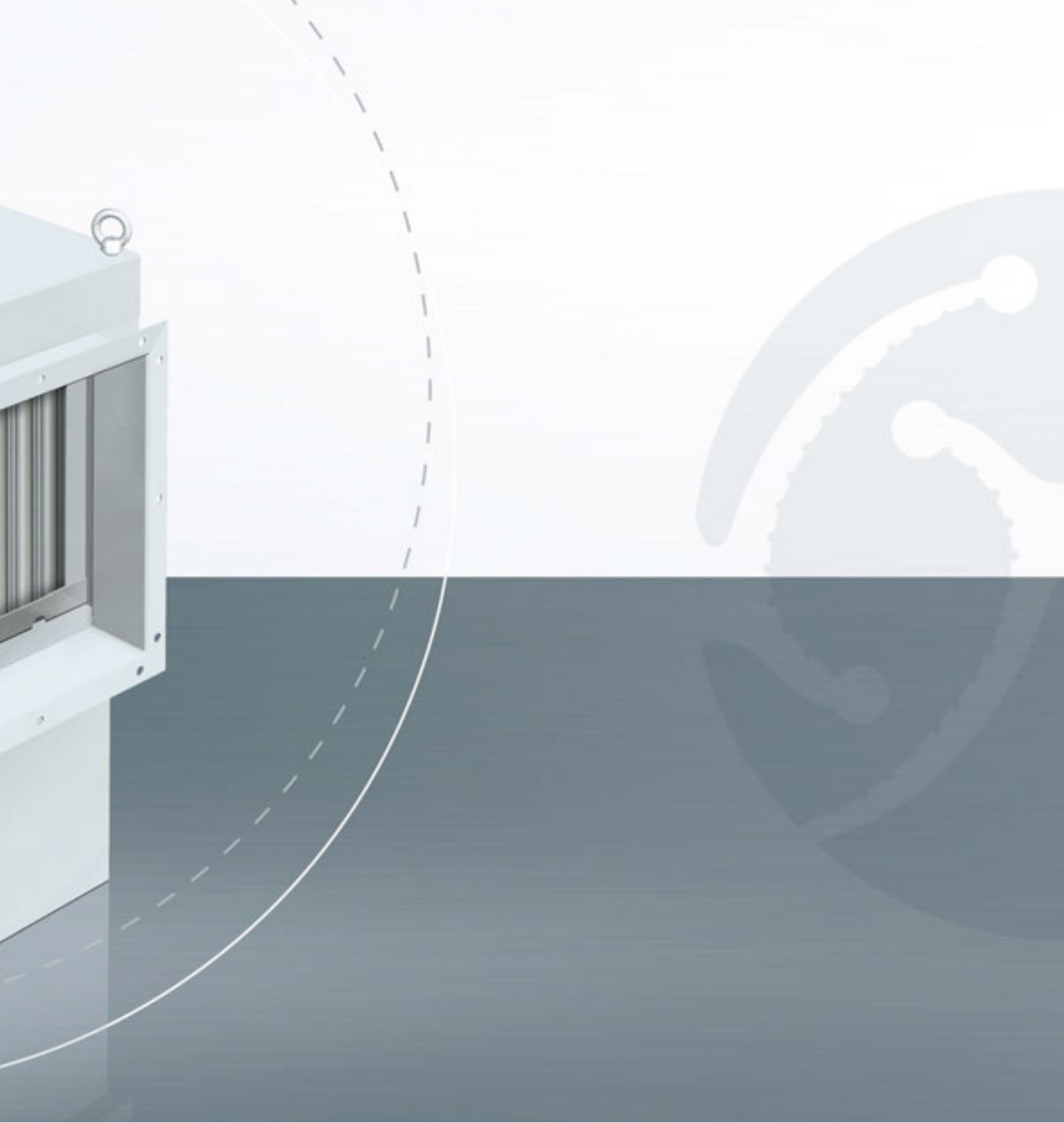
| Type of device | Extraction volume [m³/h] | Dimensions | | | | Pressure drop, total [Pa] | Weight [kg] |
|----------------|--------------------------|-------------|------------|-------------|-----------------------------|---------------------------|-------------|
| | | Length [mm] | Width [mm] | Height [mm] | Connecting diameter DN [mm] | | |
| RKV2-1 | 500 | 660 | 200 | 490 | 100 | 800 | 50 |
| RKV2-2 | 1000 | 760 | 300 | 590 | 200 | 800 | 70 |
| RKV2-3 | 2000 | 960 | 340 | 790 | 300 | 800 | 90 |
| RKV2-4 | 3500 | 1160 | 540 | 830 | 500 | 800 | 150 |

* Attention: The specified pressure drops are based on the assumption of an unobstructed air inflow into the X-CYCLONE® duct system and out of it. The air intake and outlet of the duct must be three times, better five times, as long as the diameter of the connection to the X-CYCLONE® duct system.



X-CYCLONE® RK2 Series

Duct air cleaners for water-based aerosols





RANGE OF APPLICATION

Cleaning of the exhaust air from processing machines, coating facilities, food-production plants and cooking appliances in commercial kitchens. Separation of water-based aerosols such as cooling lubricants, spray mist or cooking fumes.

Suitable for installation in horizontal exhaust ducts.



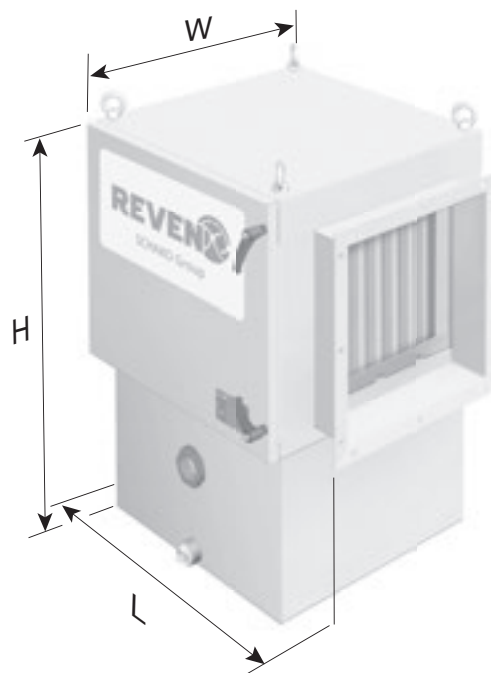
TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Agglomeration system made of stainless steel, suitable for the removal of PM_{2.5}.
- Sustainable air-cleaning concept thanks to the use of cleanable separators.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Effective protection of the exhaust duct against contamination.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the enclosure.



ACCESSORIES

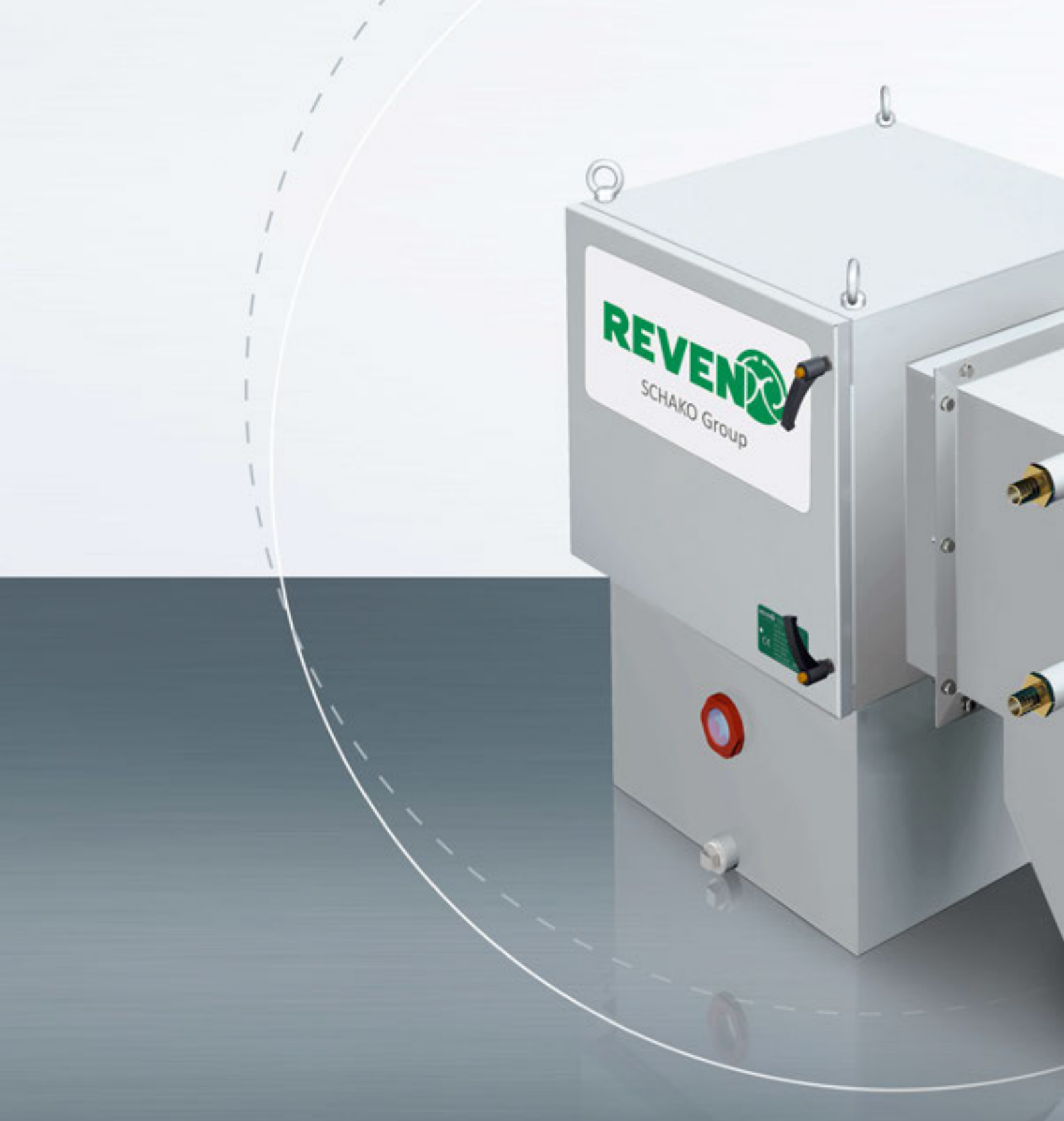
- Bag filter for aerosols containing plasticizer, varnish or oil particles.
- Differential pressure indicator to monitor the duct air cleaner.
- Adapters and reducers for connection to the exhaust ducts.
- Siphons, drain lines, connecting sleeves and shut-off valves for the separated liquids.



TECHNICAL DATA – X-CYCLONE® RK2 SERIES

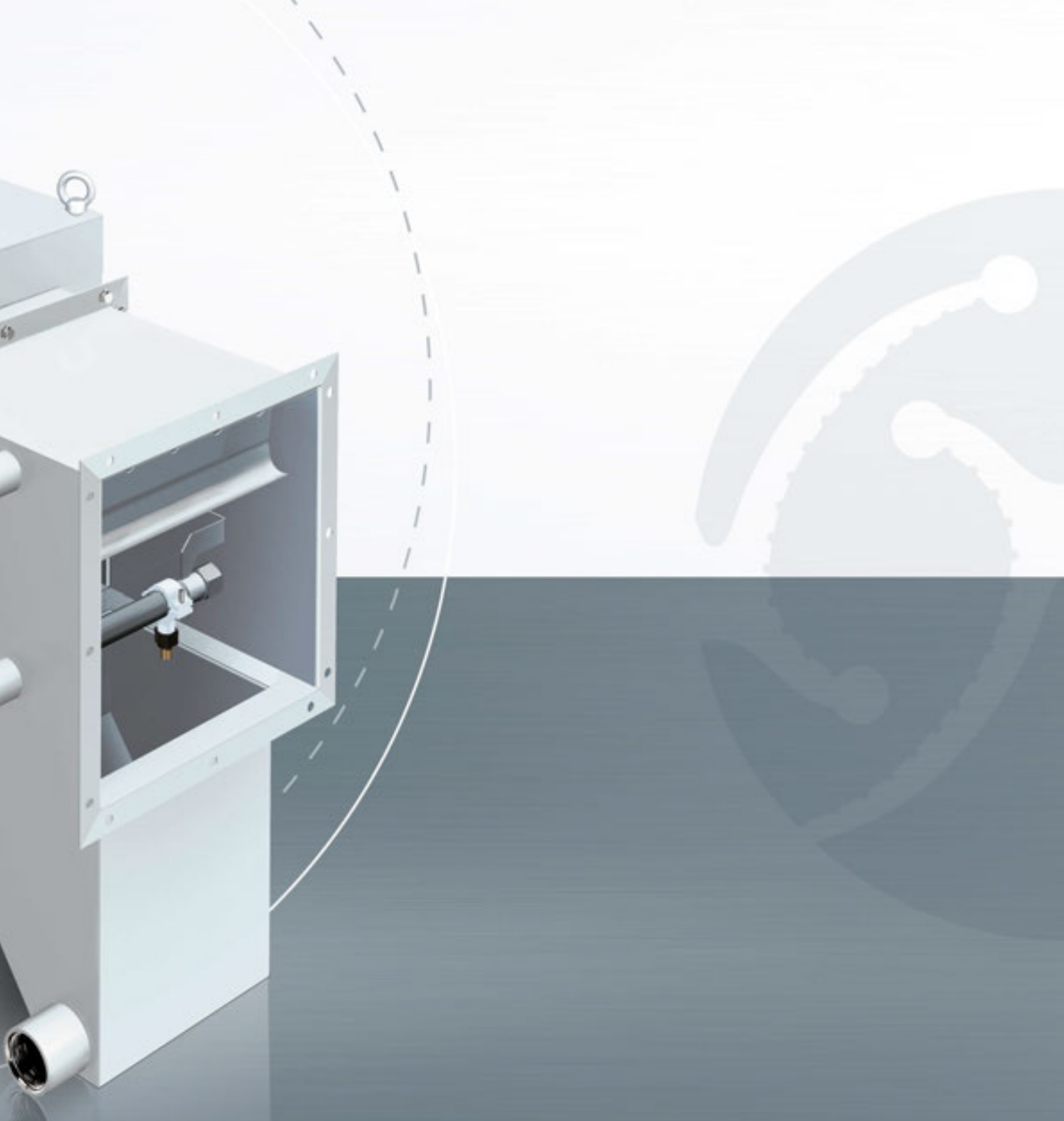
| Type of device | Extraction volume [m³/h] | Dimensions | | | | Pressure drop, total [Pa] | Weight [kg] |
|----------------|--------------------------|-------------|------------|-------------|----------------------|---------------------------|-------------|
| | | Length [mm] | Width [mm] | Height [mm] | Duct connection [mm] | | |
| RK2-1 | 1200 | 660 | 490 | 710 | 320 x 320 | 1000 | 50 |
| RK2-2 | 1600 | 660 | 650 | 710 | 490 x 320 | 1000 | 55 |
| RK2-3 | 2400 | 660 | 650 | 880 | 490 x 490 | 1000 | 65 |
| RK2-4 | 3300 | 660 | 750 | 1120 | 620 x 620 | 1000 | 95 |
| RK2-5 | 6000 | 660 | 990 | 1240 | 840 x 840 | 1000 | 125 |
| RK2-6 | 10000 | 660 | 1240 | 1510 | 1160 x 1160 | 1000 | 160 |

* Attention: The specified pressure drops are based on the assumption of an unobstructed air inflow into the X-CYCLONE® duct system and out of it. The air intake and outlet of the duct must be three times, better five times, as long as the diameter of the connection to the X-CYCLONE® duct system.



X-CYCLONE® RK2R Series

Duct air cleaners with REVEX® spraying technology





RANGE OF APPLICATION

Cleaning of the exhaust air from processing machines, coating facilities, food-production plants and cooking appliances in commercial kitchens. Separation of dry, adhesive, solid and vaporous substances.

Suitable for installation in horizontal exhaust ducts.

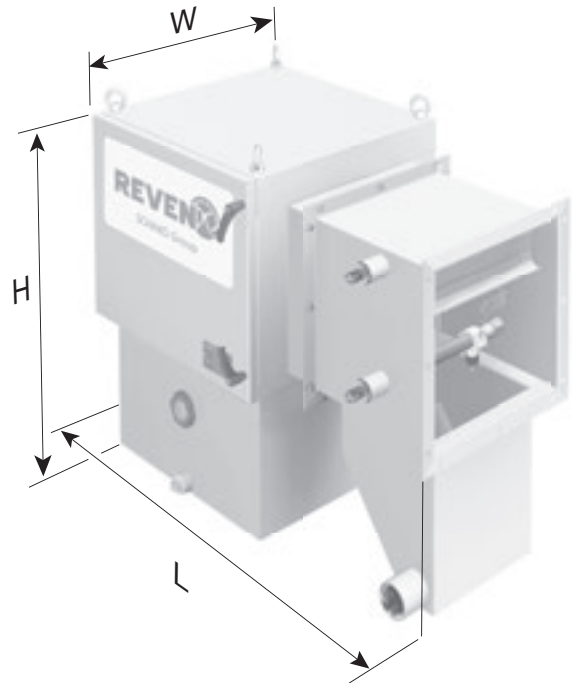
TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Patented REVEX® spraying technology with cleaning and air-washing function.
- Agglomeration system made of stainless steel, suitable for the removal of PM_{2.5}.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Effective protection of the exhaust duct against contamination.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the enclosure.



ACCESSORIES

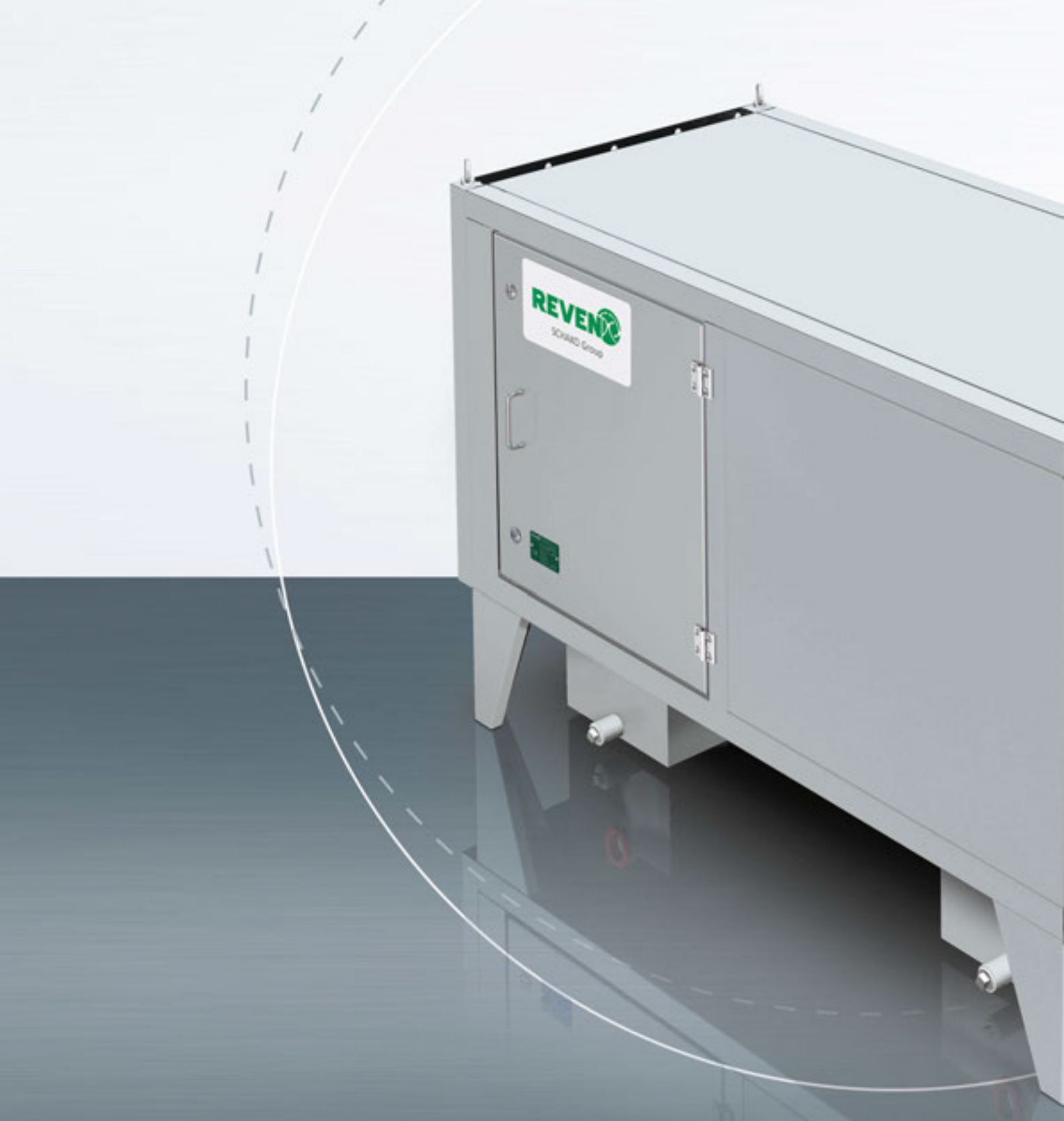
- Differential pressure indicator to monitor the duct air cleaner.
- Adapters and reducers for connection to the exhaust ducts.
- Siphons, drain lines, connecting sleeves and shut-off valves for the separated liquids.



TECHNICAL DATA – X-CYCLONE® RK2R SERIES

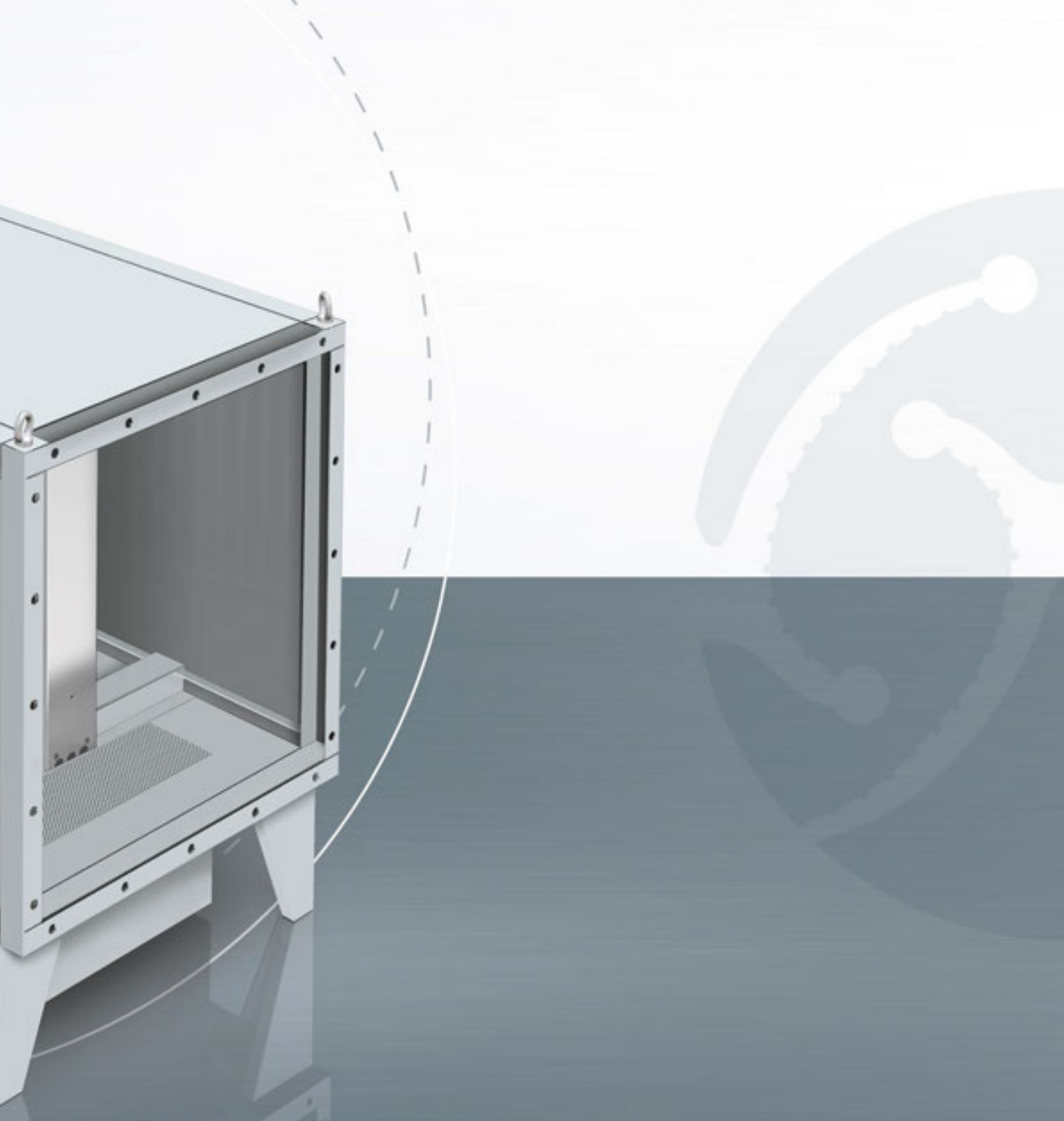
| Type of device | Extraction volume [m³/h] | Dimensions | | | | Pressure drop, total [Pa] | Weight [kg] |
|----------------|--------------------------|-------------|------------|-------------|----------------------|---------------------------|-------------|
| | | Length [mm] | Width [mm] | Height [mm] | Duct connection [mm] | | |
| RK2R-1 | 1200 | 960 | 380 | 710 | 320 x 320 | 1100 | 75 |
| RK2R-2 | 1600 | 960 | 550 | 710 | 490 x 320 | 1100 | 83 |
| RK2R-3 | 2400 | 960 | 550 | 880 | 490 x 490 | 1100 | 100 |
| RK2R-4 | 3300 | 960 | 680 | 1120 | 620 x 620 | 1100 | 140 |
| RK2R-5 | 6000 | 960 | 900 | 1240 | 840 x 840 | 1100 | 180 |
| RK2R-6 | 10000 | 960 | 1220 | 1510 | 1160 x 1160 | 1100 | 250 |

* Attention: The specified pressure drops are based on the assumption of an unobstructed air inflow into the X-CYCLONE® duct system and out of it. The air intake and outlet of the duct must be three times, better five times, as long as the diameter of the connection to the X-CYCLONE® duct system.



X-CYCLONE® RKM Series

Duct air cleaners for water-based aerosols and high extraction volumes





RANGE OF APPLICATION

Cleaning of the exhaust air from processing machines, coating facilities, food-production plants and cooking appliances in commercial kitchens. Separation of water-based aerosols such as cooling lubricants, spray mist or cooking fumes.

For high extraction volumes; suitable for installation in horizontal exhaust ducts.

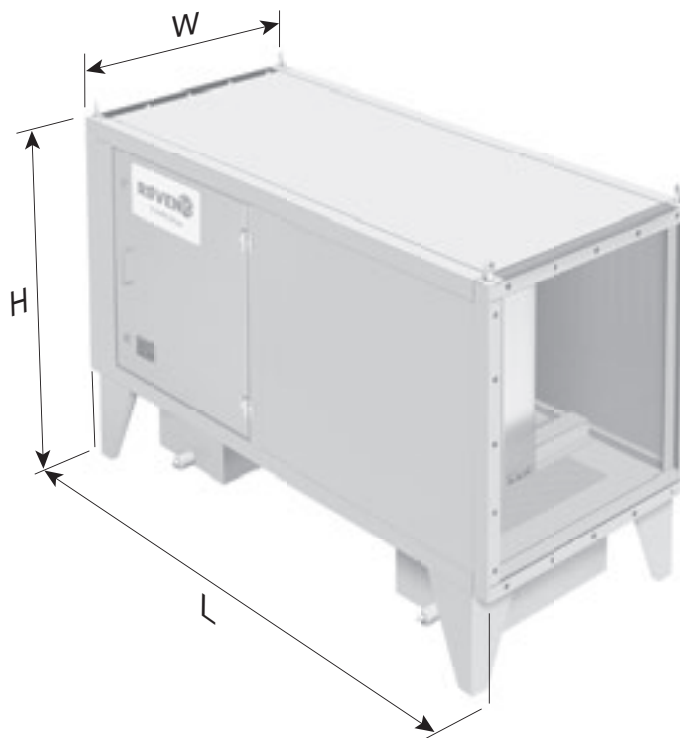
TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Agglomeration system made of stainless steel, suitable for the removal of PM_{2.5}.
- Sustainable air-cleaning concept thanks to the use of cleanable separators.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Effective protection of the exhaust duct against contamination.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the enclosure.



ACCESSORIES

- REVEX® spraying technology, see X-CYCLONE® RKM series.
- Differential pressure indicator to monitor the duct air cleaner.
- Siphons, drain lines, connecting sleeves and shut-off valves for the separated liquids.



TECHNICAL DATA – X-CYCLONE® RKM SERIES

| Type of device | Extraction volume [m³/h] | Dimensions | | | | Pressure drop, total [Pa] | Weight [kg] |
|----------------|--------------------------|-------------|------------|-------------|----------------------|---------------------------|-------------|
| | | Length [mm] | Width [mm] | Height [mm] | Duct connection [mm] | | |
| RKM-01 | 5000 | 1600 | 720 | 990 | 645 x 665 | 800 | 162 |
| RKM-02 | 7500 | 1600 | 1030 | 990 | 955 x 665 | 800 | 213 |
| RKM-03 | 10000 | 1600 | 1340 | 990 | 1265 x 665 | 800 | 264 |
| RKM-04 | 10000 | 1600 | 720 | 1610 | 645 x 1285 | 800 | 274 |
| RKM-05 | 15000 | 1600 | 1030 | 1610 | 955 x 1285 | 800 | 356 |
| RKM-06 | 20000 | 1600 | 1340 | 1610 | 1265 x 1285 | 800 | 428 |
| RKM-07 | 30000 | 1600 | 1340 | 2230 | 1265 x 1905 | 800 | 582 |
| RKM-08 | 30000 | 1600 | 1960 | 1610 | 1885 x 1285 | 800 | 602 |
| RKM-09 | 45000 | 1600 | 1960 | 2230 | 1885 x 1905 | 800 | 808 |
| RKM-10 | 60000 | 1600 | 2580 | 2230 | 2505 x 1905 | 800 | 1064 |
| RKM-11 | 60000 | 1600 | 1960 | 2850 | 1885 x 2525 | 800 | 1064 |
| RKM-12 | 80000 | 1600 | 2580 | 2850 | 2505 x 2525 | 800 | 1332 |

* Attention: The specified pressure drops are based on the assumption of an unobstructed air inflow into the X-CYCLONE® duct system and out of it. The air intake and outlet of the duct must be three times, better five times, as long as the diameter of the connection to the X-CYCLONE® duct system.



X-CYCLONE® RKMR Series

Duct air cleaners with REVEX® spraying technology
for high extraction volumes





RANGE OF APPLICATION

Cleaning of the exhaust air from processing machines, coating facilities, food-production plants and cooking appliances in commercial kitchens. Separation of dry, adhesive, solid and vaporous substances.

Suitable for installation in horizontal exhaust ducts.



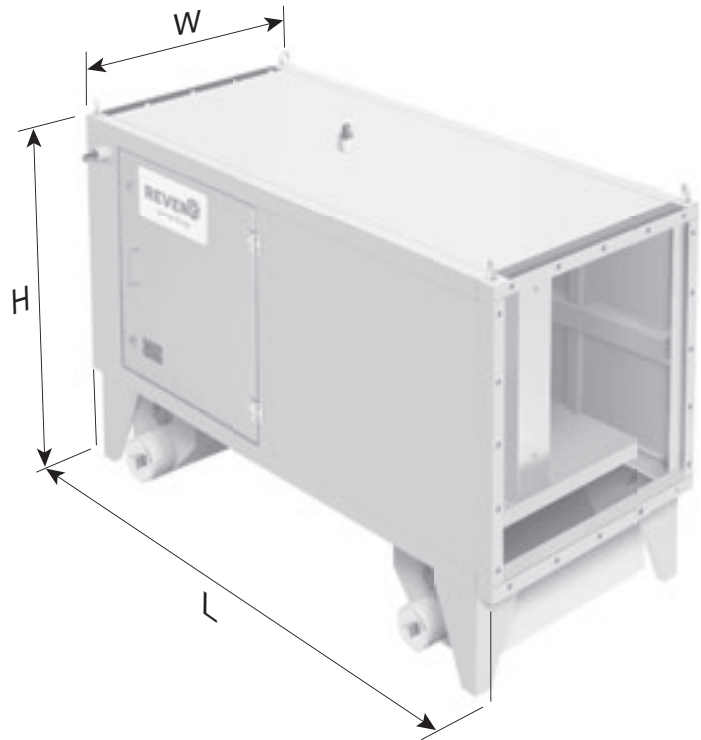
TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Patented REVEX® spraying technology with cleaning and air-washing function.
- Sustainable air-cleaning concept thanks to the use of cleanable separators.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Effective protection of the exhaust duct against contamination.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the enclosure.



ACCESSORIES

- Differential pressure indicator to monitor the duct air cleaner.
- Siphons, drain lines, connecting sleeves and shut-off valves for the separated liquids.



TECHNICAL DATA – X-CYCLONE® RKMR SERIES

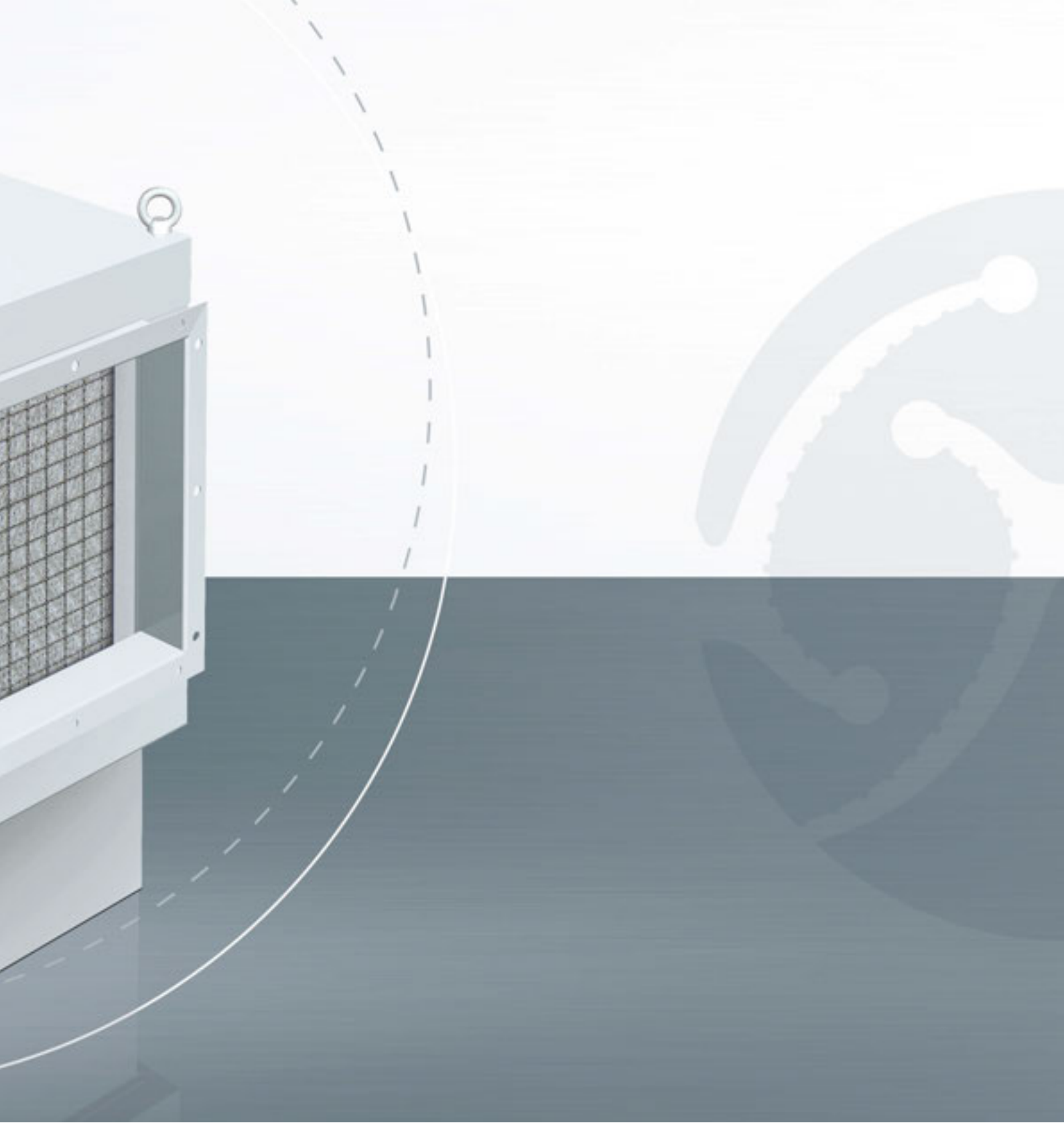
| Type of device | Extraction volume [m³/h] | Dimensions | | | | Pressure drop, total [Pa] | Weight [kg] |
|----------------|--------------------------|-------------|------------|-------------|----------------------|---------------------------|-------------|
| | | Length [mm] | Width [mm] | Height [mm] | Duct connection [mm] | | |
| RKMR-01 | 5000 | 1600 | 720 | 990 | 645 x 665 | 600 | 162 |
| RKMR-02 | 7500 | 1600 | 1030 | 990 | 955 x 665 | 600 | 213 |
| RKMR-03 | 10000 | 1600 | 1340 | 990 | 1265 x 665 | 600 | 264 |
| RKMR-04 | 10000 | 1600 | 720 | 1610 | 645 x 1285 | 600 | 274 |
| RKMR-05 | 15000 | 1600 | 1030 | 1610 | 955 x 1285 | 600 | 356 |
| RKMR-06 | 20000 | 1600 | 1340 | 1610 | 1265 x 1285 | 600 | 428 |
| RKMR-07 | 30000 | 1600 | 1340 | 2230 | 1265 x 1905 | 600 | 582 |
| RKMR-08 | 30000 | 1600 | 1960 | 1610 | 1885 x 1285 | 600 | 602 |
| RKMR-09 | 45000 | 1600 | 1960 | 2230 | 1885 x 1905 | 600 | 808 |
| RKMR-10 | 60000 | 1600 | 2580 | 2230 | 2505 x 1905 | 600 | 1064 |
| RKMR-11 | 60000 | 1600 | 1960 | 2850 | 1885 x 2525 | 600 | 1064 |
| RKMR-12 | 80000 | 1600 | 2580 | 2850 | 2505 x 2525 | 600 | 1332 |

* Attention: The specified pressure drops are based on the assumption of an unobstructed air inflow into the X-CYCLONE® duct system and out of it. The air intake and outlet of the duct must be three times, better five times, as long as the diameter of the connection to the X-CYCLONE® duct system.



X-CYCLONE® RKE Series

Duct air cleaners for oil-based aerosols





RANGE OF APPLICATION

Cleaning of the exhaust air from processing machines, coating facilities, food-production plants and cooking appliances in commercial kitchens. Separation of oil-based aerosols such as cooling lubricants or spray and oil mists.

Suitable for installation in horizontal exhaust ducts.



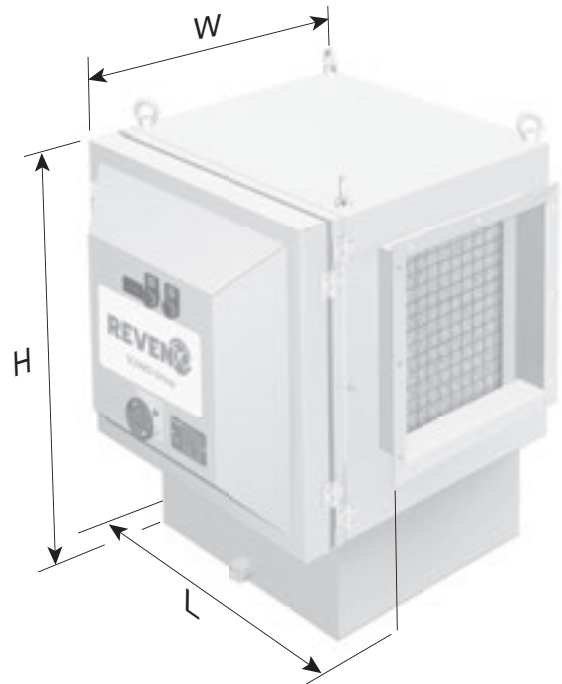
TECHNICAL HIGHLIGHTS

- Combination of the patented high-performance X-CYCLONE® separating system and an electrostatic precipitator with an efficiency rate of up to 99.9999 %.
- Odour reduction in the exhaust air by means of high-voltage plasma.
- Agglomeration system made of stainless steel, suitable for the removal of oil-based PM_{2.5}.
- Sustainable air-cleaning concept thanks to the use of cleanable separators.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Effective protection of the exhaust duct against contamination.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the enclosure.



ACCESSORIES

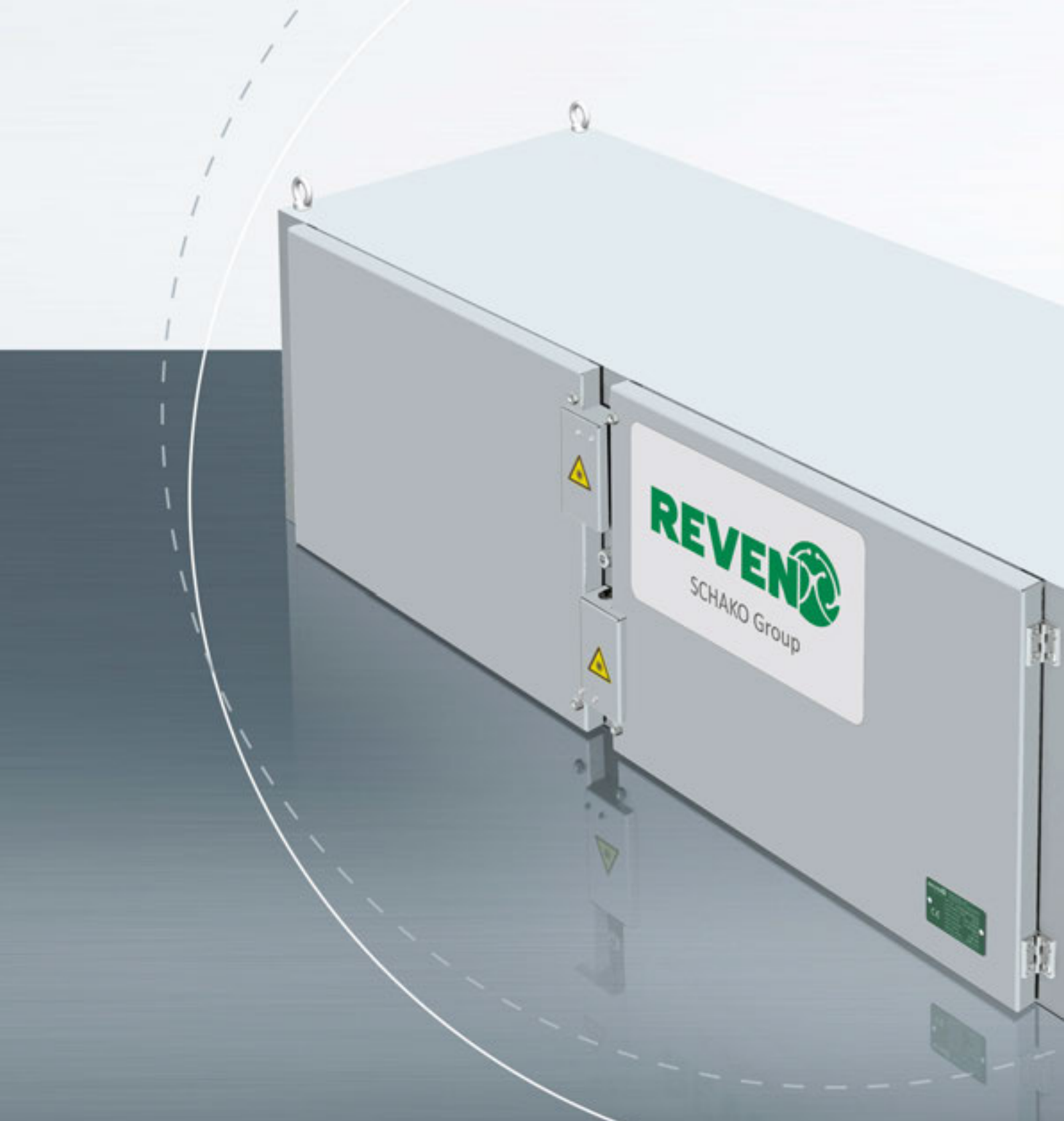
- Agglomeration system made of glass-fibre fabric, suitable for the removal of oil-based PM_{1.0}.
- Differential pressure indicator to monitor the duct air cleaner.
- Adapters and reducers for connection to the exhaust ducts.
- Siphons, drain lines, connecting sleeves and shut-off valves for the separated liquids.



TECHNICAL DATA – X-CYCLONE® RKE SERIES

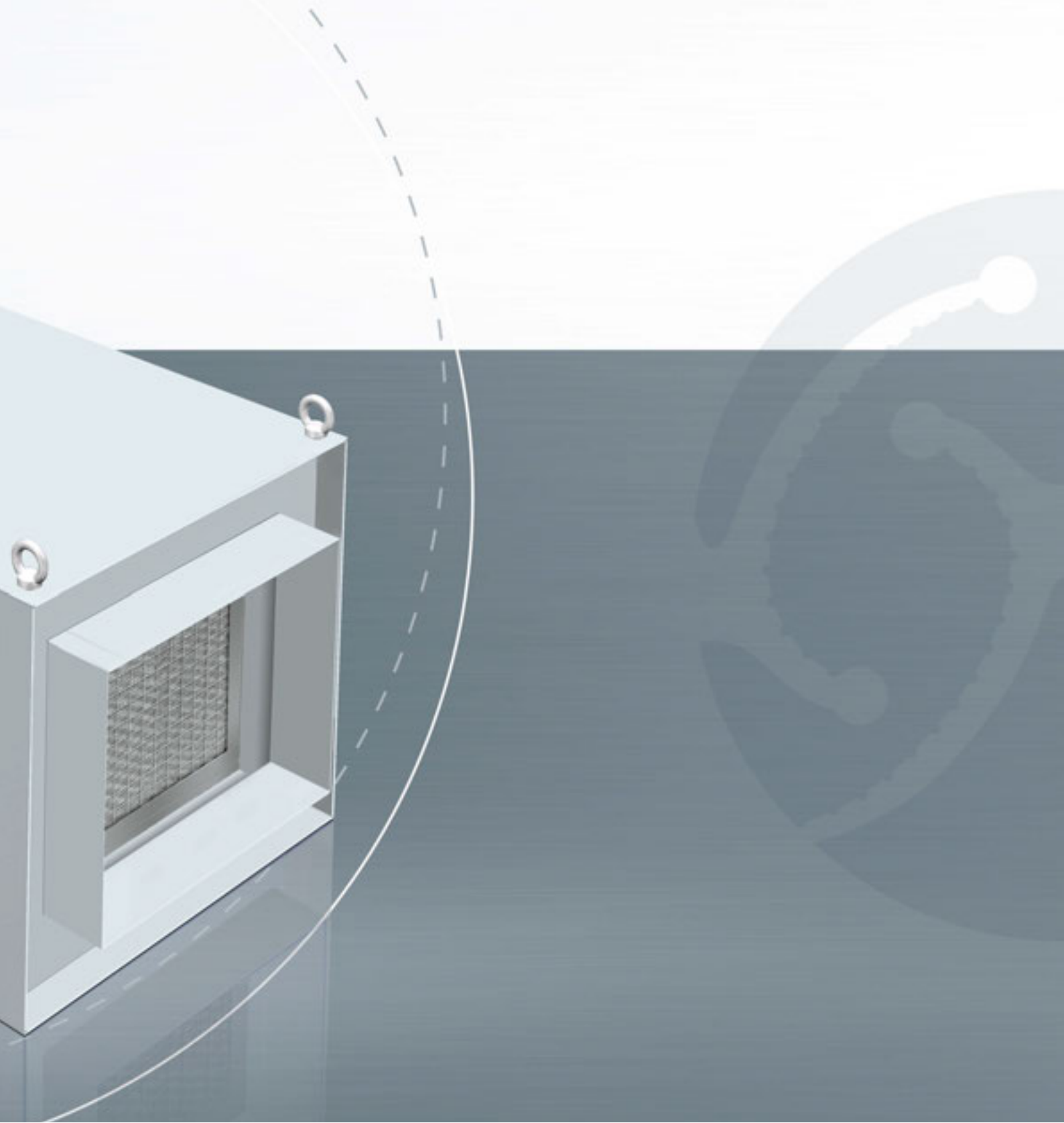
| Type of device | Extraction volume [m³/h] | Electrical data | | | Dimensions | | | | Pressure drop, total [Pa] | Weight [kg] |
|----------------|--------------------------|-----------------|-------------|-----------|-------------|------------|-------------|----------------------|---------------------------|-------------|
| | | Voltage [V] | Current [A] | Power [W] | Length [mm] | Width [mm] | Height [mm] | Duct connection [mm] | | |
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | | | | | | |
| RKE-1 | 1200 | 1~230 | 0.70 | 160 | 660 | 630 | 710 | 320 x 320 | 800 | 75 |
| RKE-2 | 1600 | 1~230 | 0.70 | 160 | 660 | 790 | 710 | 490 x 320 | 800 | 80 |
| RKE-3 | 2400 | 1~230 | 0.70 | 160 | 660 | 790 | 880 | 490 x 490 | 800 | 95 |
| RKE-4 | 3300 | 1~230 | 1.40 | 320 | 660 | 890 | 1120 | 620 x 620 | 800 | 135 |
| RKE-5 | 6000 | 1~230 | 1.40 | 320 | 660 | 1130 | 1240 | 840 x 840 | 800 | 170 |
| RKE-6 | 10000 | 1~230 | 1.40 | 320 | 660 | 1380 | 1510 | 1160 x 1160 | 800 | 210 |

* Attention: The specified pressure drops are based on the assumption of an unobstructed air inflow into the X-CYCLONE® duct system and out of it. The air intake and outlet of the duct must be three times, better five times, as long as the diameter of the connection to the X-CYCLONE® duct system.



X-CYCLONE® RKUV Series

Duct air cleaners for the reduction of organic and synthetic odour pollution





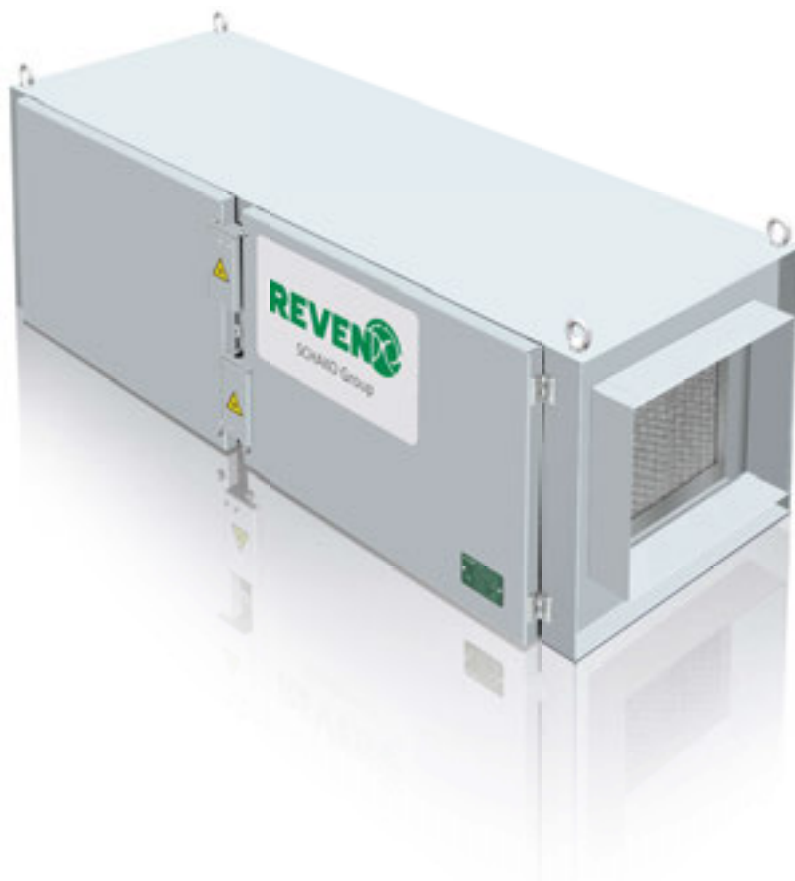
RANGE OF APPLICATION

Cleaning of the exhaust air from commercial kitchens, food-production or manufacturing facilities and control of synthetic and organic odour pollution by means of UV oxidation.

Suitable for installation in horizontal exhaust ducts.

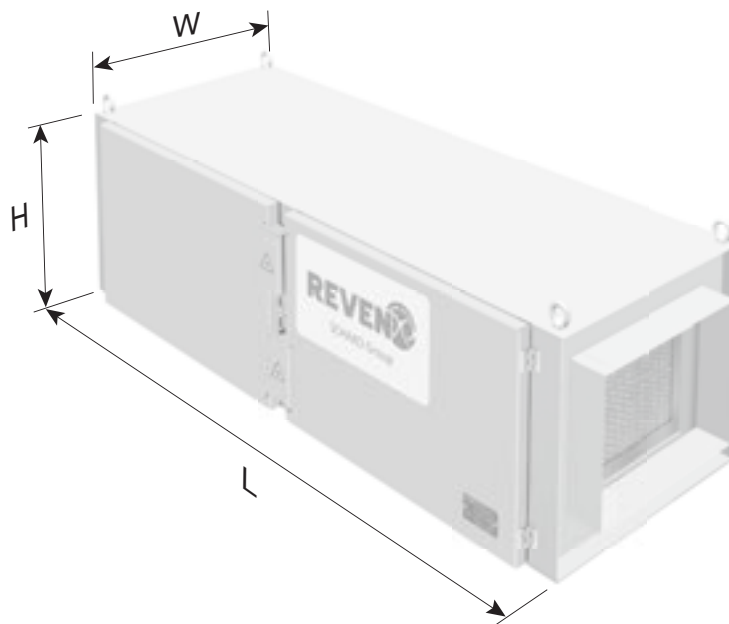
TECHNICAL HIGHLIGHTS

- Combination of the patented high-performance X-CYCLONE® separating system and REVEN® Longlife UV tubes with an efficiency rate of up to 99.9999 %.
- Exhaust air treatment with UV-C and VUV radiation. UV-C radiation at a wavelength of 254 nm for the destruction of microorganisms (bacteria, fungi and viruses). Vacuum ultraviolet radiation (VUV) at a wavelength of 185 nm to generate ozone for the oxidation of airborne odorous matter.
- Sustainable air-cleaning concept thanks to the use of cleanable separators.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Effective protection of the exhaust duct against contamination.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the enclosure.



ACCESSORIES

- Differential pressure indicator to monitor the duct air cleaner.
- Adapters and reducers for connection to the exhaust ducts.



TECHNICAL DATA – X-CYCLONE® RKUV SERIES

| Type of device | Extraction volume [m³/h] | Electrical data | | | Dimensions | | | | Pressure drop, total [Pa] | Weight [kg] |
|----------------|--------------------------|-----------------|-------------|-----------|-------------|------------|-------------|----------------------|---------------------------|-------------|
| | | Voltage [V] | Current [A] | Power [W] | Length [mm] | Width [mm] | Height [mm] | Duct connection [mm] | | |
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | | | | | | |
| RKUV-1 | 800 | 1~230 | 1.80 | 345 | 1500 | 460 | 460 | 300 x 300 | 600 | 65 |
| RKUV-2 | 1600 | 1~230 | 2.50 | 500 | 1500 | 700 | 540 | 400 x 300 | 600 | 100 |
| RKUV-3 | 2400 | 1~230 | 3.20 | 655 | 1500 | 700 | 650 | 550 x 450 | 600 | 150 |
| RKUV-4 | 3200 | 1~230 | 6.00 | 1275 | 1500 | 700 | 700 | 550 x 550 | 600 | 160 |
| RKUV-5 | 4800 | 1~230 | 8.80 | 1895 | 1500 | 1190 | 810 | 1040 x 660 | 600 | 260 |

* Attention: The specified pressure drops are based on the assumption of an unobstructed air inflow into the X-CYCLONE® duct system and out of it. The air intake and outlet of the duct must be three times, better five times, as long as the diameter of the connection to the X-CYCLONE® duct system.

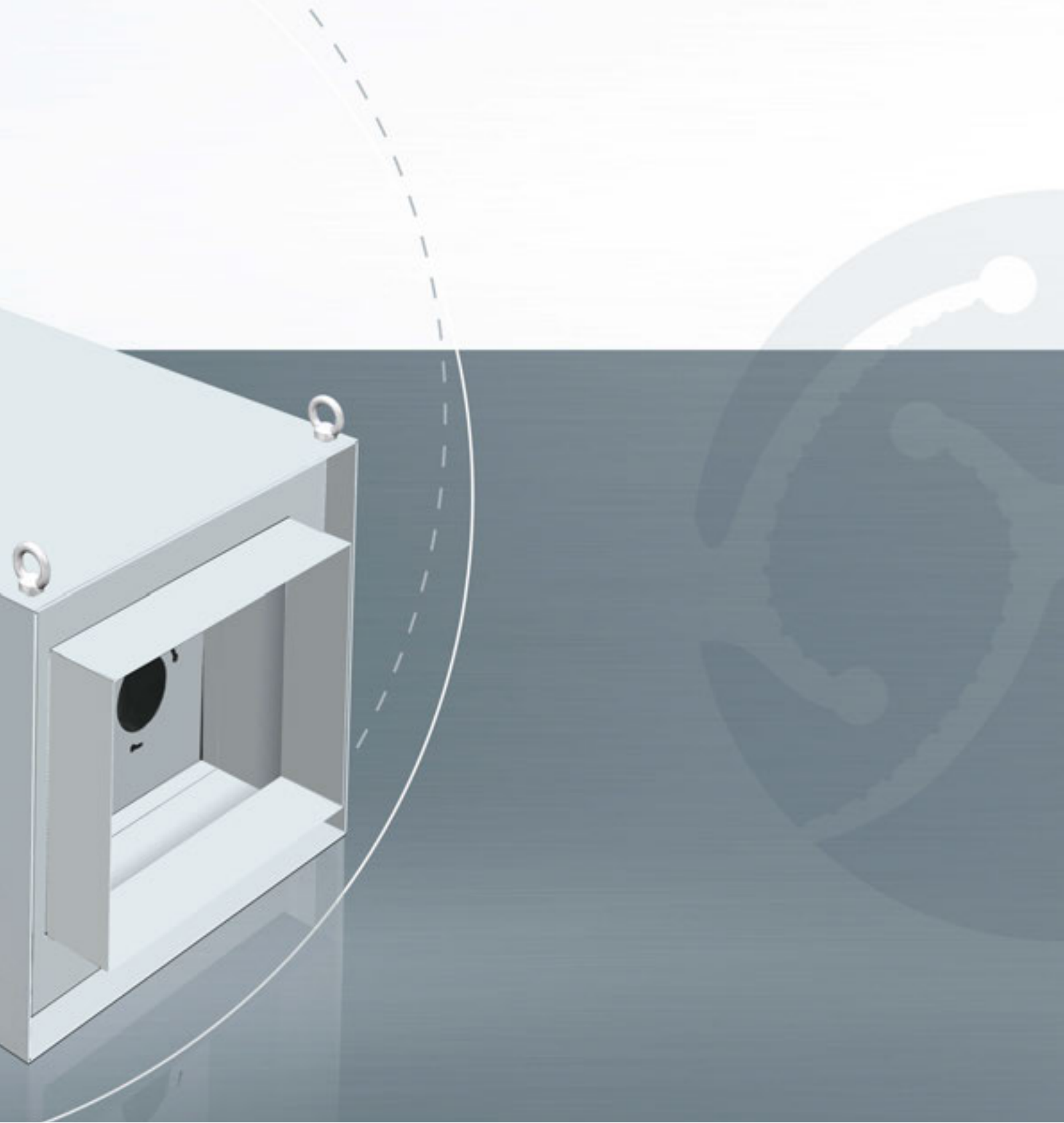
Note:

When choosing the place of installation, make sure that the air needs at least two seconds to flow from the inlet of the duct-mounting system RKUV to the outlet into the open.



X-CYCLONE® RKGN Series

Duct air cleaners for the reduction of organic odour pollution





RANGE OF APPLICATION

Cleaning of grease-polluted exhaust air from food-production facilities, commercial kitchens or industrial bakeries and control of organic odour pollution by means of oxidation.

Suitable for installation in horizontal exhaust ducts.



TECHNICAL HIGHLIGHTS

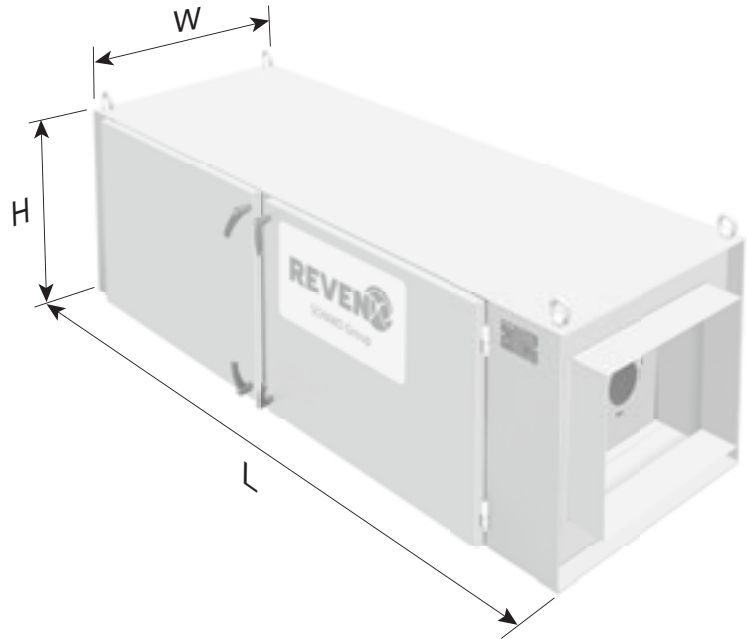
- Combination of the patented high-performance X-CYCLONE® separating system and a RGN99 odour filter with an efficiency rate of up to 99.9999 %.
- RGN99 high-performance granulate, a food-compliant alternative to activated carbon. Odour reduction by oxidation of odour molecules in the exhaust air.
- Oxidation with potassium permanganate and volcanic rock zeolite. Odours are eliminated by the reaction with potassium permanganate; residual odour particles are trapped in the molecular sieve provided by the volcanic zeolite carrier material.
- Sustainable air-cleaning concept thanks to the use of cleanable separators.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Effective protection of the exhaust duct against contamination.



- Designed, constructed and produced in Germany.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the enclosure.

ACCESSORIES

- Differential pressure indicator to monitor the duct air cleaner.
- Adapters and reducers for connection to the exhaust ducts.



TECHNICAL DATA – X-CYCLONE® RKGN SERIES

| Type of device | Extraction volume [m³/h] | Dimensions | | | | Pressure drop, total [Pa] | Weight [kg] |
|----------------|--------------------------|-------------|------------|-------------|----------------------|---------------------------|-------------|
| | | Length [mm] | Width [mm] | Height [mm] | Duct connection [mm] | | |
| RKGN-1 | 800 | 1500 | 460 | 460 | 300 x 300 | 800 – 1200 | 95 |
| RKGN-2 | 1200 | 1500 | 540 | 460 | 400 x 300 | 800 – 1200 | 115 |
| RKGN-3 | 1600 | 1500 | 700 | 460 | 550 x 300 | 800 – 1200 | 135 |
| RKGN-4 | 2400 | 1500 | 700 | 650 | 550 x 450 | 800 – 1200 | 175 |
| RKGN-5 | 3200 | 1500 | 700 | 700 | 550 x 550 | 800 – 1200 | 200 |
| RKGN-6 | 4800 | 1500 | 1190 | 810 | 1040 x 660 | 800 – 1200 | 325 |
| RKGN-7 | 7200 | 1500 | 1190 | 1120 | 1040 x 970 | 800 – 1200 | 370 |

* Attention: The specified pressure drops are based on the assumption of an unobstructed air inflow into the X-CYCLONE® duct system and out of it. The air intake and outlet of the duct must be three times, better five times, as long as the diameter of the connection to the X-CYCLONE® duct system.



Capture Systems

Air cleaners suitable for installation above production systems





X-CYCLONE® EVN-W Series

Capture hood with REVEN® air-induction system

Peripheral version



Also available with REVEN® efficiency air-induction system!*

REVEN 
SCHAKO Group



RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.



TECHNICAL HIGHLIGHTS

- Combination of the patented REVEN® air-induction technology and the high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- New, internationally patented air-induction nozzle for the efficient capture and cleaning of the exhaust air.
- Efficiency and function of the REVEN® air-induction nozzle, capture hood and separators proven by CFD flow analyses.
- Integrated air-induction system preventing draughts and ensuring compliance with the maximum permissible supply flow rates.*
- More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
- State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN and DIN EN test standards.

Further information

www.reven.de (Technologies → for fume capture)

www.reven.de (Technologies → for adjustment and control)



* Optionally available with the improved REVEN® efficiency air-induction system – improves the capturing of the exhaust air without any supply air directly blown in.

- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.

ACCESSORIES

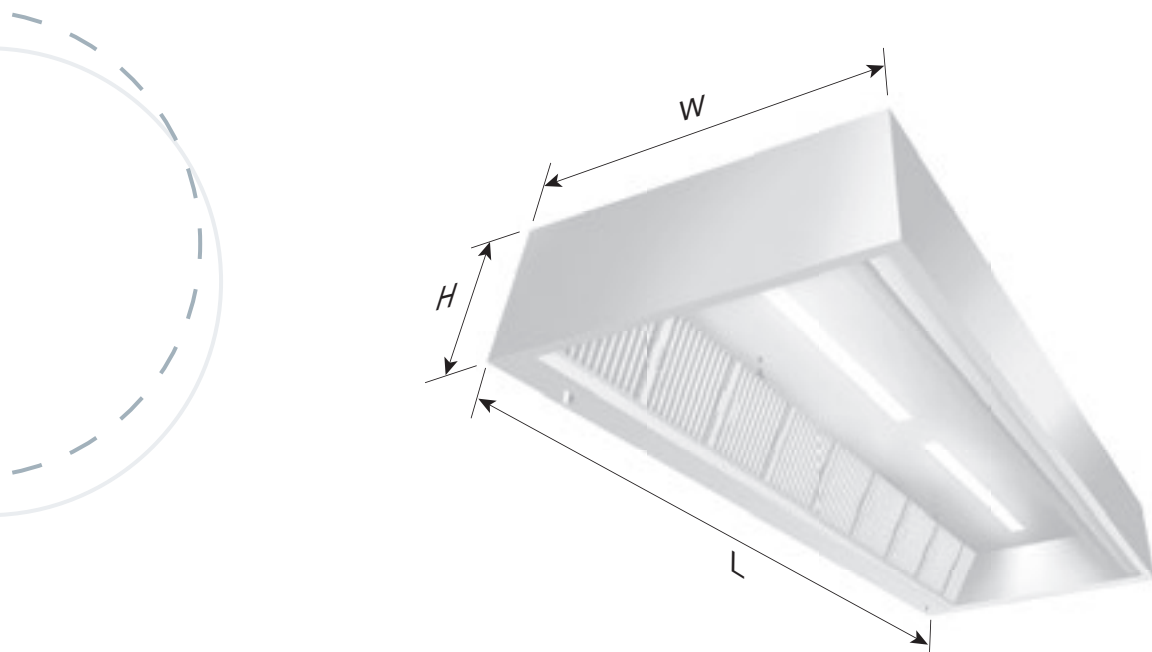
- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.
- REVEN® ECOJET low-velocity air outlet for additional control of air management when operating capture hoods.



TECHNICAL DATA – X-CYCLONE® EVN-W SERIES

| Width [mm] | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 |
|-------------|------|------|------|------|------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air dampers [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|-------------------------|
| 1000 | 1000 | 20 | 1 x 750 x 150 | 1 x 750 x 150 |
| 1200 | 1000 | 20 | 1 x 750 x 150 | 1 x 750 x 150 |
| 1400 | 1500 | 20 | 1 x 750 x 150 | 1 x 750 x 150 |
| 1600 | 1500 | 40 | 1 x 750 x 150 | 1 x 750 x 150 |
| 1800 | 1500 | 40 | 1 x 750 x 150 | 1 x 750 x 150 |
| 2000 | 2000 | 50 | 1 x 750 x 150 | 1 x 750 x 150 |
| 2200 | 2000 | 50 | 1 x 750 x 150 | 1 x 750 x 150 |
| 2400 | 2500 | 50 | 1 x 750 x 150 | 1 x 750 x 150 |
| 2600 | 2500 | 50 | 2 x 750 x 150 | 2 x 750 x 150 |
| 2800 | 3000 | 50 | 2 x 750 x 150 | 2 x 750 x 150 |
| 3000 | 3000 | 40 | 2 x 750 x 150 | 2 x 750 x 150 |



TECHNICAL DATA – X-CYCLONE® EVN-W SERIES

| Width [mm] | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 |
|-------------|------|------|------|------|------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air dampers [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|-------------------------|
| 3200 | 3500 | 40 | 2 x 750 x 150 | 2 x 750 x 150 |
| 3400 | 3500 | 40 | 2 x 750 x 150 | 2 x 750 x 150 |
| 3600 | 3500 | 40 | 2 x 750 x 150 | 2 x 750 x 150 |
| 3800 | 4000 | 40 | 2 x 750 x 150 | 2 x 750 x 150 |
| 4000 | 4000 | 50 | 2 x 750 x 150 | 2 x 750 x 150 |

Create your capture hood online using the REVEN Configurator and download the BIM data:

<https://bim.reven.de/#/configurator?SelectedElementID=1000>



TECHNICAL DATA – X-CYCLONE® EVN-W SERIES

| Length [mm] | Weight [kg] | | | | | | | | |
|-------------|-------------|------|------|------|------|------|------|------|------|
| | Width [mm] | | | | | | | | |
| | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 |
| 1000 | 87 | 95 | 99 | 108 | 118 | 129 | 133 | 138 | 143 |
| 1200 | 98 | 106 | 110 | 119 | 130 | 142 | 146 | 151 | 157 |
| 1400 | 109 | 117 | 122 | 133 | 142 | 154 | 158 | 164 | 170 |
| 1600 | 120 | 130 | 134 | 145 | 157 | 170 | 174 | 178 | 184 |
| 1800 | 132 | 142 | 145 | 158 | 170 | 183 | 187 | 191 | 197 |
| 2000 | 146 | 157 | 162 | 174 | 183 | 203 | 207 | 211 | 217 |
| 2200 | 157 | 169 | 173 | 186 | 197 | 217 | 221 | 225 | 231 |
| 2400 | 168 | 179 | 183 | 200 | 214 | 231 | 235 | 239 | 245 |
| 2600 | 180 | 192 | 196 | 212 | 227 | 244 | 248 | 252 | 257 |
| 2800 | 191 | 203 | 209 | 225 | 242 | 258 | 262 | 266 | 271 |
| 3000 | 202 | 214 | 222 | 237 | 254 | 272 | 276 | 281 | 287 |
| 3200 | 214 | 226 | 233 | 250 | 267 | 286 | 290 | 294 | 300 |
| 3400 | 225 | 239 | 245 | 254 | 281 | 300 | 304 | 308 | 314 |
| 3600 | 237 | 250 | 259 | 262 | 294 | 314 | 318 | 322 | 328 |
| 3800 | 250 | 264 | 274 | 284 | 310 | 329 | 333 | 337 | 343 |
| 4000 | 260 | 276 | 288 | 300 | 324 | 346 | 350 | 357 | 363 |





X-CYCLONE® EVN-M Series

Capture hood with REVEN® air-induction system

Central version



Also available with REVEN® efficiency air-induction system!*

REVEN 
SCHAKO Group



RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.



TECHNICAL HIGHLIGHTS

- Combination of the patented REVEN® air-induction technology and the high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- New, internationally patented air-induction nozzle for the efficient capture and cleaning of the exhaust air.
- Efficiency and function of the REVEN® air-induction nozzle, capture hood and separators proven by CFD flow analyses.
- Integrated air-induction system preventing draughts and ensuring compliance with the maximum permissible supply flow rates.*
- More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
- State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN and DIN EN test standards.

Further information

www.reven.de (Technologies → for fume capture)

www.reven.de (Technologies → for adjustment and control)

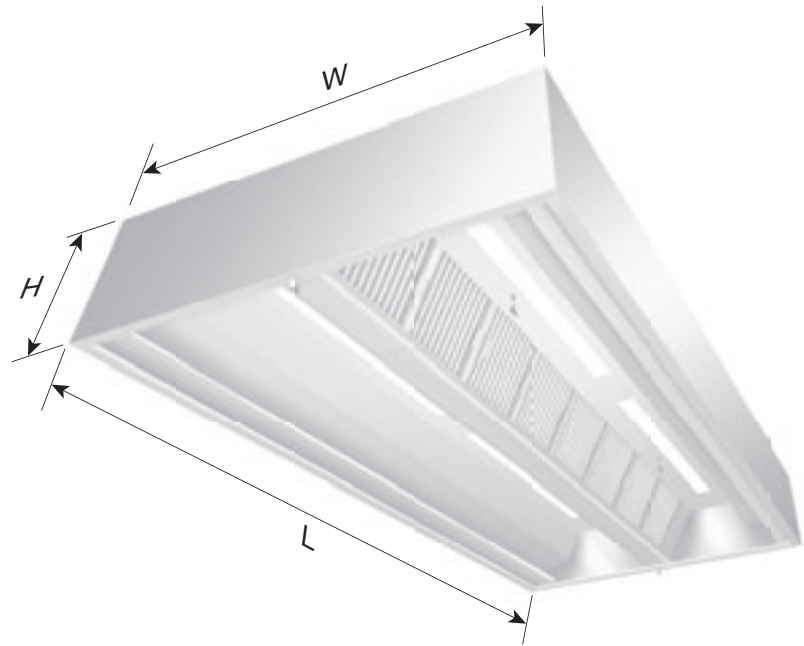


* Optionally available with the improved REVEN® efficiency air-induction system – improves the capturing of the exhaust air without any supply air directly blown in.

- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.

ACCESSORIES

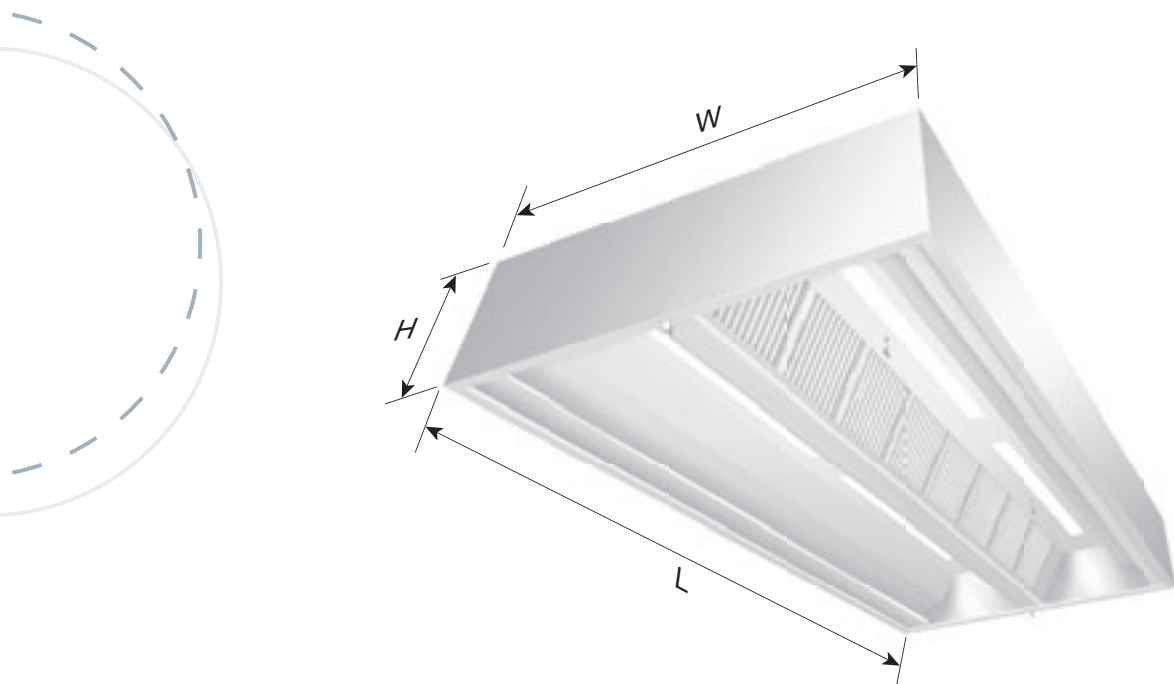
- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.
- REVEN® ECOJET low-velocity air outlet for additional control of air management when operating capture hoods.



TECHNICAL DATA – X-CYCLONE® EVN-M SERIES

| Width [mm] | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 |
|-------------|------|------|------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 | 450 | 450 | 450 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air dampers [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|-------------------------|
| 1000 | 2000 | 20 | 2 x 750 x 150 | 1 x 750 x 500 |
| 1200 | 2000 | 20 | 2 x 750 x 150 | 1 x 750 x 500 |
| 1400 | 3000 | 20 | 2 x 750 x 150 | 1 x 750 x 500 |
| 1600 | 3000 | 40 | 2 x 750 x 150 | 1 x 750 x 500 |
| 1800 | 3000 | 40 | 2 x 750 x 150 | 1 x 750 x 500 |
| 2000 | 4000 | 50 | 2 x 750 x 150 | 1 x 750 x 500 |
| 2200 | 4000 | 50 | 2 x 750 x 150 | 1 x 750 x 500 |
| 2400 | 5000 | 50 | 2 x 750 x 150 | 1 x 750 x 500 |
| 2600 | 5000 | 50 | 4 x 750 x 150 | 2 x 750 x 500 |
| 2800 | 6000 | 50 | 4 x 750 x 150 | 2 x 750 x 500 |
| 3000 | 6000 | 40 | 4 x 750 x 150 | 2 x 750 x 500 |



TECHNICAL DATA – X-CYCLONE® EVN-M SERIES

| Width [mm] | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 |
|-------------|------|------|------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 | 450 | 450 | 450 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air dampers [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|-------------------------|
| 3200 | 7000 | 40 | 4 x 750 x 150 | 2 x 750 x 500 |
| 3400 | 7000 | 40 | 4 x 750 x 150 | 2 x 750 x 500 |
| 3600 | 7000 | 40 | 4 x 750 x 150 | 2 x 750 x 500 |
| 3800 | 8000 | 40 | 4 x 750 x 150 | 2 x 750 x 500 |
| 4000 | 8000 | 50 | 4 x 750 x 150 | 2 x 750 x 500 |

Create your capture hood online using the REVEN Configurator and download the BIM data:

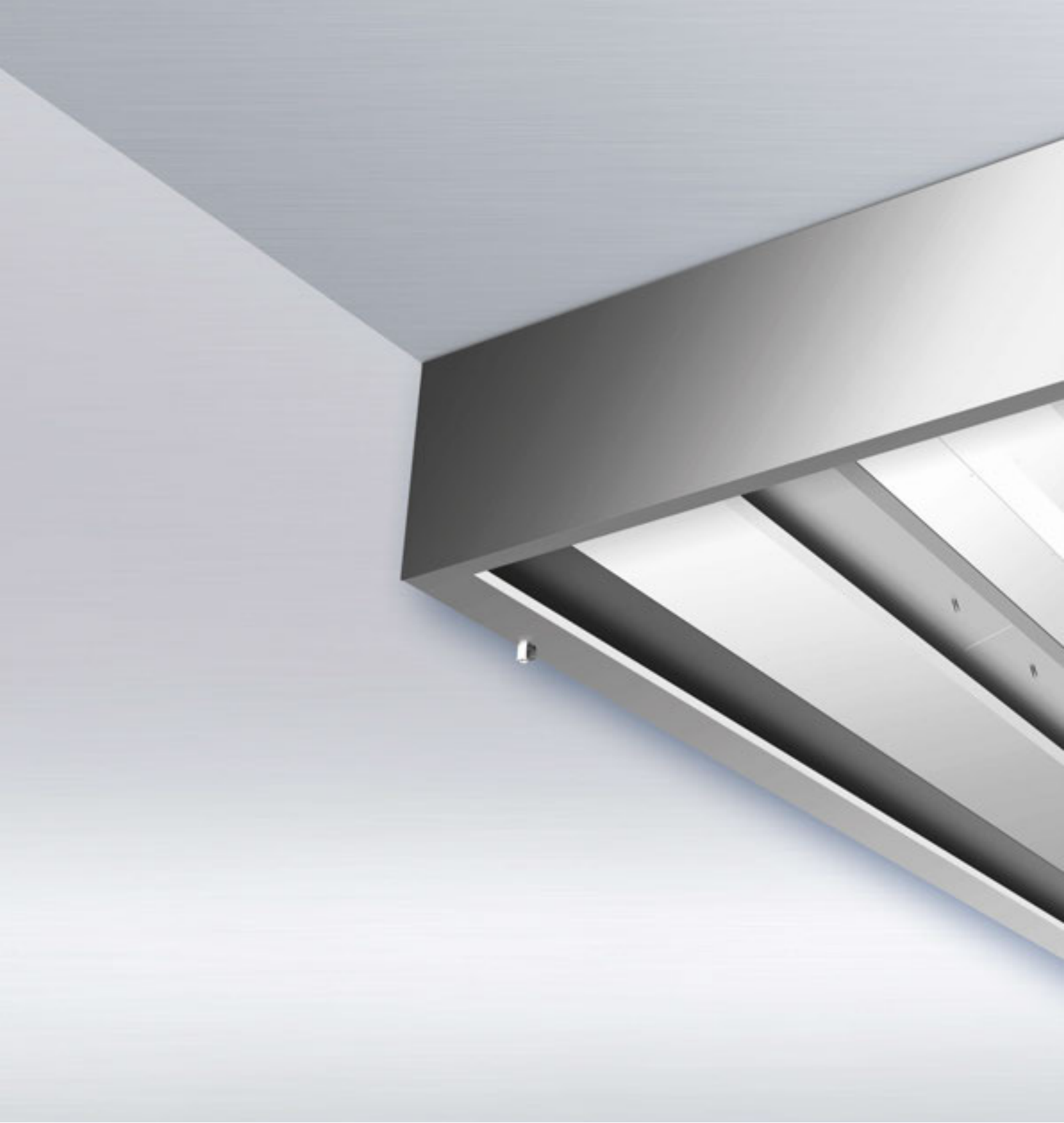
<https://bim.reven.de/#/configurator?SelectedElementID=1001>



TECHNICAL DATA – X-CYCLONE® EVN-M SERIES

| Length [mm] | Weight [kg] | | | | | | |
|-------------|-------------|------|------|------|------|------|------|
| | Width [mm] | | | | | | |
| | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 |
| 1000 | 174 | 190 | 198 | 216 | 236 | 258 | 266 |
| 1200 | 196 | 212 | 220 | 238 | 260 | 284 | 292 |
| 1400 | 218 | 234 | 244 | 266 | 284 | 308 | 316 |
| 1600 | 240 | 260 | 268 | 290 | 314 | 340 | 348 |
| 1800 | 264 | 284 | 290 | 316 | 340 | 366 | 374 |
| 2000 | 292 | 314 | 324 | 348 | 366 | 406 | 414 |
| 2200 | 314 | 338 | 346 | 372 | 394 | 434 | 442 |
| 2400 | 336 | 358 | 366 | 400 | 428 | 462 | 470 |
| 2600 | 360 | 384 | 392 | 424 | 454 | 488 | 496 |
| 2800 | 382 | 406 | 418 | 450 | 484 | 516 | 524 |
| 3000 | 404 | 428 | 444 | 474 | 508 | 544 | 552 |
| 3200 | 428 | 452 | 466 | 500 | 534 | 572 | 580 |
| 3400 | 450 | 478 | 490 | 508 | 562 | 600 | 608 |
| 3600 | 474 | 500 | 518 | 524 | 588 | 628 | 636 |
| 3800 | 500 | 528 | 548 | 568 | 620 | 658 | 666 |
| 4000 | 520 | 552 | 576 | 600 | 648 | 692 | 700 |





X-CYCLONE® EVNR-W Series

Capture hood with REVEN® air-induction and REVEX® spraying system
Peripheral version



Also available with REVEN® efficiency air-induction system!*

REVEN 

SCHAKO Group



RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.



TECHNICAL HIGHLIGHTS

- Combination of the patented REVEN® air-induction technology and the high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
 - Integrated, patented REVEX® spraying system for fully automatic cleaning and disinfection of the aerosol separators on both sides.
 - New, internationally patented air-induction nozzle for the efficient capture and cleaning of the exhaust air.
 - Efficiency and function of the REVEN® air-induction nozzle, capture hood and separators proven by CFD flow analyses.
 - Integrated air-induction system preventing draughts and ensuring compliance with the maximum permissible supply flow rates.*
 - More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
 - State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
 - Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested
- * Optionally available with the improved REVEN® efficiency air-induction system – improves the capturing of the exhaust air without any supply air directly blown in.

Further information

www.reven.de (Technologies → for fume capture)
www.reven.de (Technologies → for adjustment and control)
www.reven.de (Technologies → for cleaning and disinfection)



in accordance with DIN and DIN EN test standards.

- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.

ACCESSORIES

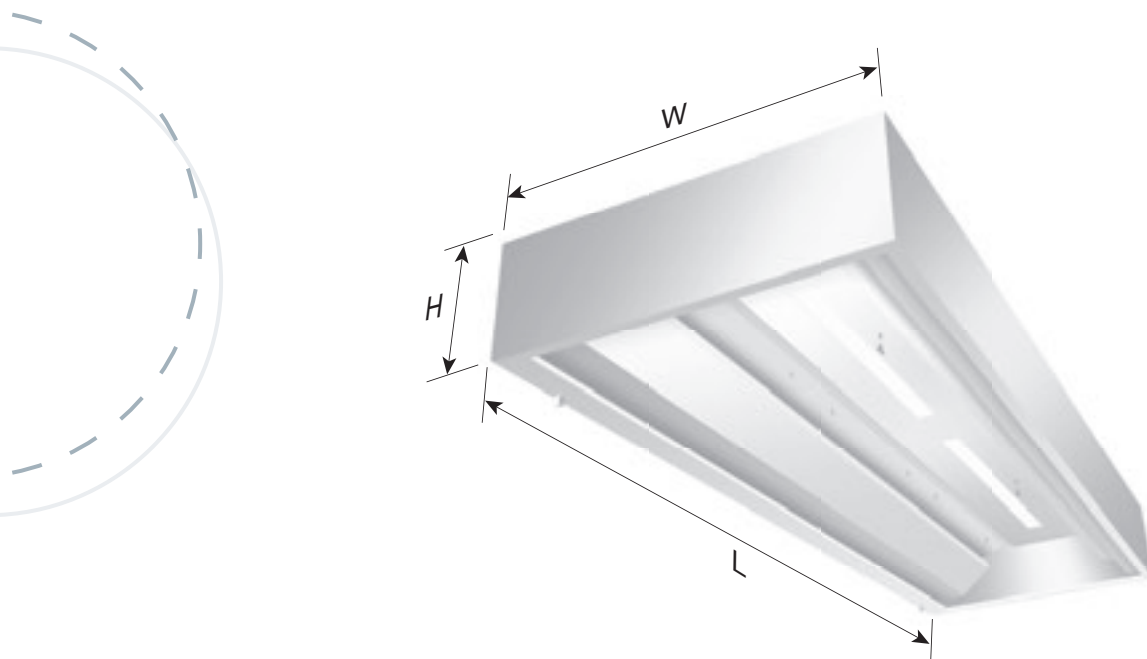
- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.
- REVEN® ECOJET low-velocity air outlet for additional control of air management when operating capture hoods.



TECHNICAL DATA – X-CYCLONE® EVNR-W SERIES

| Width [mm] | 1200 | 1300 | 1400 | 1500 |
|-------------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air dampers [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|-------------------------|
| 1000 | 1000 | 20 | 1 x 750 x 150 | 1 x 750 x 150 |
| 1200 | 1000 | 20 | 1 x 750 x 150 | 1 x 750 x 150 |
| 1400 | 1500 | 20 | 1 x 750 x 150 | 1 x 750 x 150 |
| 1600 | 1500 | 40 | 1 x 750 x 150 | 1 x 750 x 150 |
| 1800 | 1500 | 40 | 1 x 750 x 150 | 1 x 750 x 150 |
| 2000 | 2000 | 50 | 1 x 750 x 150 | 1 x 750 x 150 |
| 2200 | 2000 | 50 | 1 x 750 x 150 | 1 x 750 x 150 |
| 2400 | 2500 | 50 | 1 x 750 x 150 | 1 x 750 x 150 |
| 2600 | 2500 | 50 | 2 x 750 x 150 | 2 x 750 x 150 |
| 2800 | 3000 | 50 | 2 x 750 x 150 | 2 x 750 x 150 |
| 3000 | 3000 | 40 | 2 x 750 x 150 | 2 x 750 x 150 |



TECHNICAL DATA – X-CYCLONE® EVNR-W SERIES

| Width [mm] | 1200 | 1300 | 1400 | 1500 |
|-------------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air dampers [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|-------------------------|
| 3200 | 3500 | 40 | 2 x 750 x 150 | 2 x 750 x 150 |
| 3400 | 3500 | 40 | 2 x 750 x 150 | 2 x 750 x 150 |
| 3600 | 3500 | 40 | 2 x 750 x 150 | 2 x 750 x 150 |
| 3800 | 4000 | 40 | 2 x 750 x 150 | 2 x 750 x 150 |
| 4000 | 4000 | 50 | 2 x 750 x 150 | 2 x 750 x 150 |

Other sizes on request!



TECHNICAL DATA – X-CYCLONE® EVNR-W SERIES

| Length [mm] | Weight [kg] | | | |
|-------------|-------------|------|------|------|
| | Width [mm] | | | |
| | 1200 | 1300 | 1400 | 1500 |
| 1000 | 155 | 169 | 185 | 201 |
| 1200 | 173 | 186 | 204 | 221 |
| 1400 | 190 | 208 | 223 | 241 |
| 1600 | 209 | 226 | 245 | 265 |
| 1800 | 226 | 246 | 266 | 286 |
| 2000 | 253 | 273 | 286 | 318 |
| 2200 | 270 | 291 | 308 | 339 |
| 2400 | 286 | 313 | 335 | 361 |
| 2600 | 306 | 331 | 355 | 381 |
| 2800 | 326 | 351 | 378 | 404 |
| 3000 | 346 | 370 | 398 | 425 |
| 3200 | 364 | 390 | 418 | 448 |
| 3400 | 383 | 396 | 439 | 469 |
| 3600 | 405 | 409 | 459 | 491 |
| 3800 | 428 | 428 | 485 | 514 |
| 4000 | 450 | 469 | 506 | 541 |





X-CYCLONE® EVNR-M Series

Capture hood with REVEN® air-induction and REVEX® spraying system
Central version



Also available with REVEN® efficiency air-induction system!*

REVEN 
SCHAKO Group



RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.



TECHNICAL HIGHLIGHTS

- Combination of the patented REVEN® air-induction technology and the high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
 - Integrated, patented REVEX® spraying system for fully automatic cleaning and disinfection of the aerosol separators on both sides.
 - New, internationally patented air-induction nozzle for the efficient capture and cleaning of the exhaust air.
 - Efficiency and function of the REVEN® air-induction nozzle, capture hood and separators proven by CFD flow analyses.
 - Integrated air-induction system preventing draughts and ensuring compliance with the maximum permissible supply flow rates.*
 - More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
 - State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
 - Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested
- * Optionally available with the improved REVEN® efficiency air-induction system – improves the capturing of the exhaust air without any supply air directly blown in.

Further information

www.reven.de (Technologies → for fume capture)

www.reven.de (Technologies → for adjustment and control)

www.reven.de (Technologies → for cleaning and disinfection)



in accordance with DIN and DIN EN test standards.

- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.

ACCESSORIES

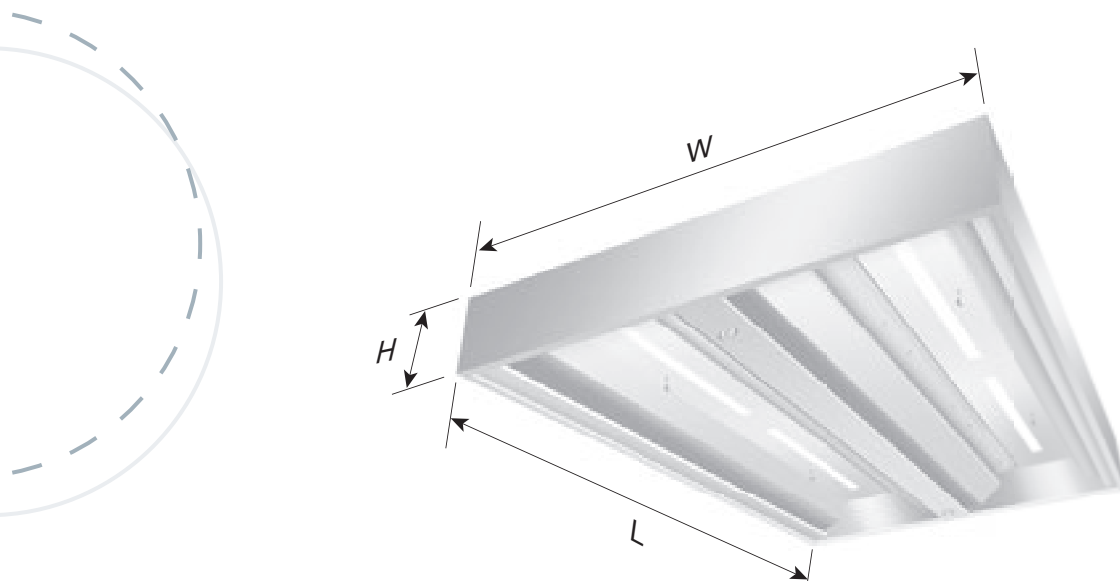
- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.
- REVEN® ECOJET low-velocity air outlet for additional control of air management when operating capture hoods.



TECHNICAL DATA – X-CYCLONE® EVNR-M SERIES

| Width [mm] | 2400 | 2600 | 2800 | 3000 |
|-------------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air dampers [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|-------------------------|
| 1000 | 2000 | 20 | 2 x 750 x 150 | 1 x 750 x 500 |
| 1200 | 2000 | 20 | 2 x 750 x 150 | 1 x 750 x 500 |
| 1400 | 3000 | 20 | 2 x 750 x 150 | 1 x 750 x 500 |
| 1600 | 3000 | 40 | 2 x 750 x 150 | 1 x 750 x 500 |
| 1800 | 3000 | 40 | 2 x 750 x 150 | 1 x 750 x 500 |
| 2000 | 4000 | 50 | 2 x 750 x 150 | 1 x 750 x 500 |
| 2200 | 4000 | 50 | 2 x 750 x 150 | 1 x 750 x 500 |
| 2400 | 5000 | 50 | 2 x 750 x 150 | 1 x 750 x 500 |
| 2600 | 5000 | 50 | 4 x 750 x 150 | 2 x 750 x 500 |
| 2800 | 6000 | 50 | 4 x 750 x 150 | 2 x 750 x 500 |
| 3000 | 6000 | 40 | 4 x 750 x 150 | 2 x 750 x 500 |



TECHNICAL DATA – X-CYCLONE® EVNR-M SERIES

| Width [mm] | 2400 | 2600 | 2800 | 3000 |
|-------------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air dampers [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|-------------------------|
| 3200 | 7000 | 40 | 4 x 750 x 150 | 2 x 750 x 500 |
| 3400 | 7000 | 40 | 4 x 750 x 150 | 2 x 750 x 500 |
| 3600 | 7000 | 40 | 4 x 750 x 150 | 2 x 750 x 500 |
| 3800 | 8000 | 40 | 4 x 750 x 150 | 2 x 750 x 500 |
| 4000 | 8000 | 50 | 4 x 750 x 150 | 2 x 750 x 500 |

Other sizes on request!



TECHNICAL DATA – X-CYCLONE® EVNR-M SERIES

| Length [mm] | Weight [kg] | | | |
|-------------|-------------|------|------|------|
| | Width [mm] | | | |
| | 2400 | 2600 | 2800 | 3000 |
| 1000 | 310 | 338 | 370 | 403 |
| 1200 | 345 | 373 | 408 | 443 |
| 1400 | 380 | 415 | 445 | 483 |
| 1600 | 418 | 453 | 490 | 530 |
| 1800 | 453 | 493 | 533 | 573 |
| 2000 | 505 | 545 | 573 | 635 |
| 2200 | 540 | 585 | 615 | 678 |
| 2400 | 573 | 625 | 670 | 723 |
| 2600 | 613 | 663 | 710 | 763 |
| 2800 | 653 | 703 | 755 | 808 |
| 3000 | 693 | 740 | 795 | 850 |
| 3200 | 728 | 780 | 835 | 895 |
| 3400 | 765 | 793 | 878 | 938 |
| 3600 | 810 | 818 | 918 | 983 |
| 3800 | 855 | 855 | 970 | 1028 |
| 4000 | 900 | 938 | 1013 | 1083 |





X-CYCLONE® EJET-W Series

Capture hood with REVEN® air-induction system
and integrated air supply

Peripheral version





RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.



TECHNICAL HIGHLIGHTS

- Combination of the patented REVEN® air-induction technology and the high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- New, internationally patented air-induction nozzle for the efficient capture and cleaning of the exhaust air.
- Integrated low-velocity air outlets for additional control of air management.
- Efficiency and function of the REVEN® air-induction nozzle, capture hood and separators proven by CFD flow analyses.
- Integrated air-induction system preventing draughts and ensuring compliance with the maximum permissible supply flow rates.
- More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
- State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN and DIN EN test standards.
- Lifetime guarantee on the X-CYCLONE® basic separator

Further information

www.reven.de (Technologies → for fume capture)

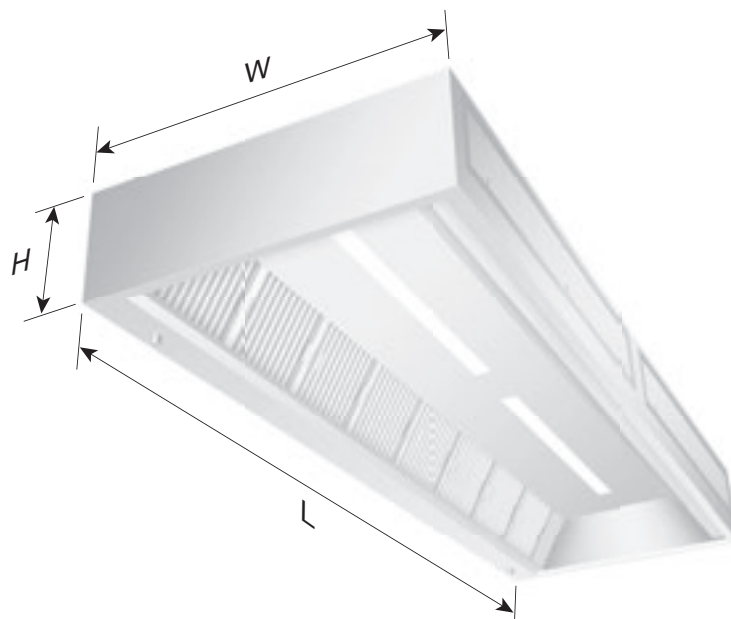
www.reven.de (Technologies → for adjustment and control)



elements and the corrosion resistance of the hood frame.

ACCESSORIES

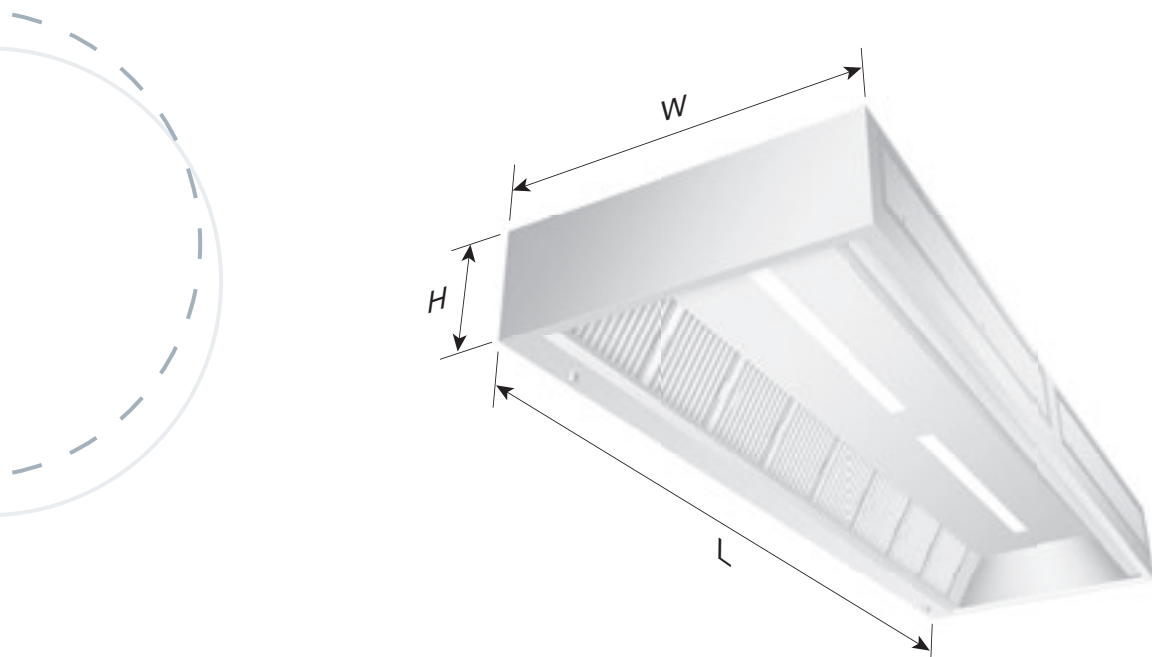
- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.



TECHNICAL DATA – X-CYCLONE® EJET-W SERIES

| Width [mm] | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 |
|-------------|------|------|------|------|------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air socket [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|------------------------|-------------------------|
| 1000 | 1000 | 20 | 2 x Ø 200 | 1 x 500 x 250 |
| 1200 | 1000 | 20 | 2 x Ø 200 | 1 x 500 x 250 |
| 1400 | 1500 | 20 | 2 x Ø 200 | 1 x 500 x 250 |
| 1600 | 1500 | 40 | 2 x Ø 200 | 1 x 500 x 250 |
| 1800 | 1500 | 40 | 2 x Ø 200 | 1 x 500 x 250 |
| 2000 | 2000 | 50 | 2 x Ø 200 | 1 x 500 x 250 |
| 2200 | 2000 | 50 | 2 x Ø 200 | 1 x 500 x 250 |
| 2400 | 2500 | 50 | 2 x Ø 200 | 1 x 500 x 250 |
| 2600 | 2500 | 50 | 3 x Ø 200 | 2 x 500 x 250 |
| 2800 | 3000 | 50 | 3 x Ø 200 | 2 x 500 x 250 |
| 3000 | 3000 | 40 | 3 x Ø 200 | 2 x 500 x 250 |



TECHNICAL DATA – X-CYCLONE® EJET-W SERIES

| Width [mm] | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 |
|-------------|------|------|------|------|------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 |

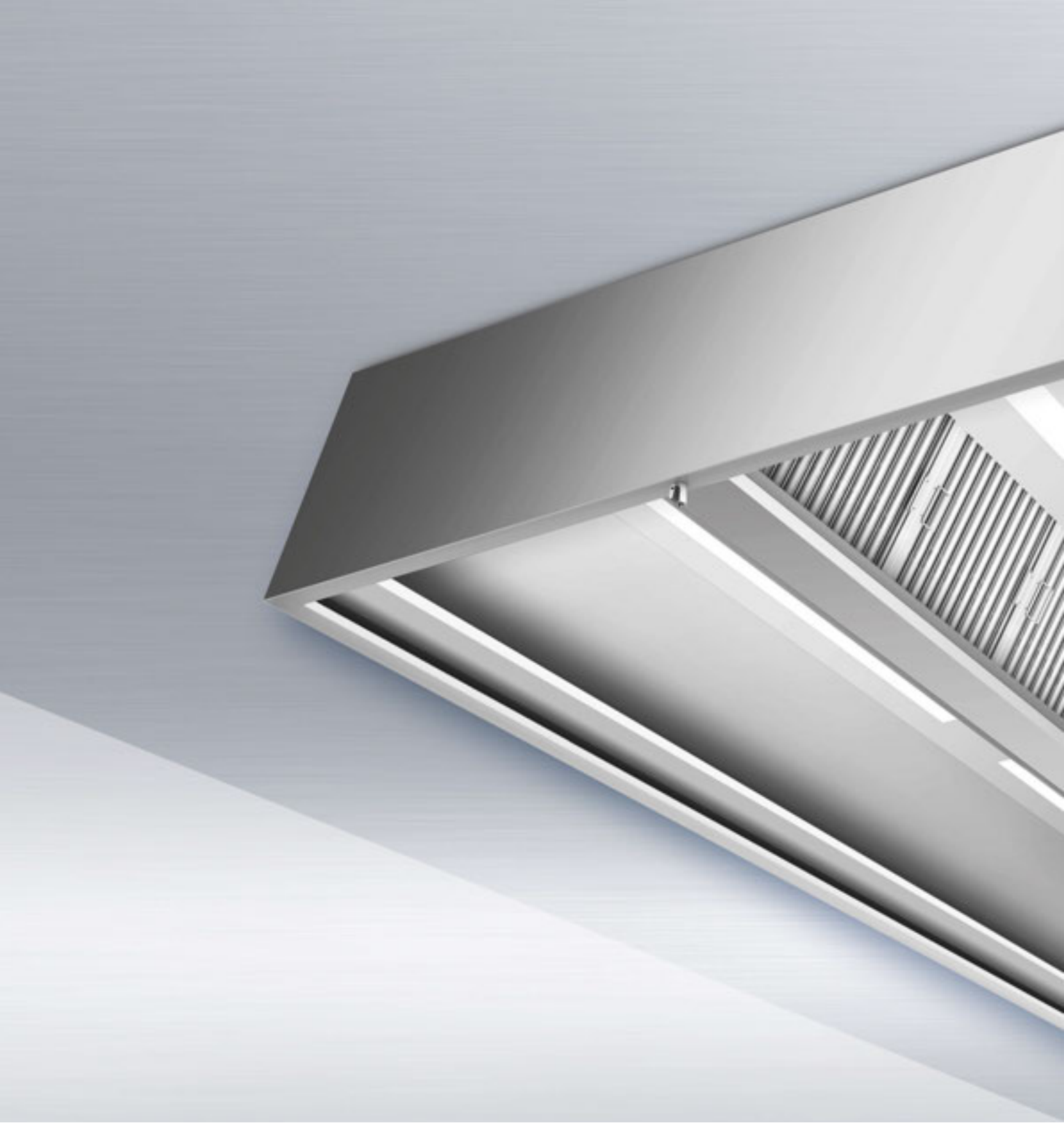
| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air socket [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|------------------------|-------------------------|
| 3200 | 3500 | 40 | 3 x Ø 200 | 2 x 500 x 250 |
| 3400 | 3500 | 40 | 3 x Ø 200 | 2 x 500 x 250 |
| 3600 | 3500 | 40 | 3 x Ø 200 | 2 x 500 x 250 |
| 3800 | 4000 | 40 | 3 x Ø 200 | 2 x 500 x 250 |
| 4000 | 4000 | 50 | 3 x Ø 200 | 2 x 500 x 250 |



TECHNICAL DATA – X-CYCLONE® EJET-W SERIES

| Length [mm] | Weight [kg] | | | | | | | | |
|-------------|-------------|------|------|------|------|------|------|------|------|
| | Width [mm] | | | | | | | | |
| | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 |
| 1000 | 57 | 60 | 63 | 65 | 67 | 70 | 74 | 80 | 84 |
| 1200 | 66 | 68 | 71 | 73 | 76 | 78 | 82 | 88 | 92 |
| 1400 | 74 | 77 | 79 | 81 | 84 | 87 | 91 | 97 | 101 |
| 1600 | 83 | 85 | 87 | 90 | 92 | 95 | 99 | 105 | 109 |
| 1800 | 91 | 93 | 96 | 98 | 101 | 103 | 107 | 113 | 117 |
| 2000 | 100 | 102 | 104 | 107 | 109 | 111 | 115 | 121 | 125 |
| 2200 | 108 | 110 | 112 | 115 | 117 | 120 | 124 | 130 | 134 |
| 2400 | 117 | 118 | 120 | 123 | 125 | 128 | 132 | 138 | 142 |
| 2600 | 124 | 126 | 129 | 132 | 134 | 136 | 140 | 146 | 150 |
| 2800 | 133 | 135 | 137 | 140 | 142 | 144 | 148 | 154 | 158 |
| 3000 | 142 | 144 | 146 | 148 | 150 | 153 | 157 | 163 | 167 |
| 3200 | 150 | 152 | 154 | 156 | 158 | 161 | 165 | 171 | 175 |
| 3400 | 158 | 161 | 162 | 165 | 167 | 169 | 173 | 177 | 181 |
| 3600 | 167 | 169 | 171 | 173 | 175 | 178 | 182 | 188 | 192 |
| 3800 | 175 | 177 | 179 | 181 | 183 | 186 | 190 | 196 | 200 |
| 4000 | 183 | 185 | 187 | 190 | 192 | 194 | 198 | 204 | 208 |





X-CYCLONE® EJET-M Series

Capture hood with REVEN® air-induction system
and integrated air supply

Central version





RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.

TECHNICAL HIGHLIGHTS

- Combination of the patented REVEN® air-induction technology and the high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- New, internationally patented air-induction nozzle for the efficient capture and cleaning of the exhaust air.
- Integrated low-velocity air outlets for additional control of air management.
- Efficiency and function of the REVEN® air-induction nozzle, capture hood and separators proven by CFD flow analyses.
- Integrated air-induction system preventing draughts and ensuring compliance with the maximum permissible supply flow rates.
- More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
- State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN and DIN EN test standards.
- Lifetime guarantee on the X-CYCLONE® basic separator



Further information

www.reven.de (Technologies → for fume capture)

www.reven.de (Technologies → for adjustment and control)



elements and the corrosion resistance of the hood frame.

ACCESSORIES

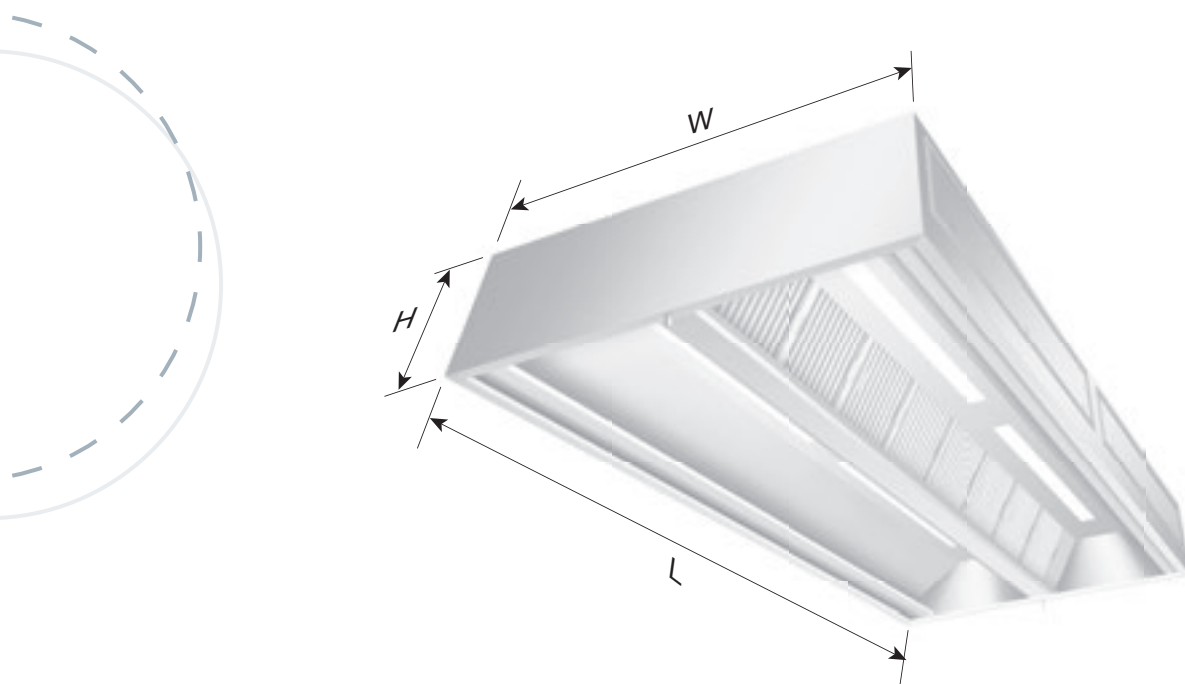
- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.



TECHNICAL DATA – X-CYCLONE® EJET-M SERIES

| Width [mm] | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 |
|-------------|------|------|------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 | 450 | 450 | 450 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air socket [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|------------------------|-------------------------|
| 1000 | 2000 | 20 | 4 x Ø 200 | 1 x 500 x 500 |
| 1200 | 2000 | 20 | 4 x Ø 200 | 1 x 500 x 500 |
| 1400 | 3000 | 40 | 4 x Ø 200 | 1 x 500 x 500 |
| 1600 | 3000 | 40 | 4 x Ø 200 | 1 x 500 x 500 |
| 1800 | 4000 | 50 | 4 x Ø 200 | 1 x 500 x 500 |
| 2000 | 4000 | 50 | 4 x Ø 200 | 1 x 500 x 500 |
| 2200 | 4000 | 50 | 4 x Ø 200 | 1 x 500 x 500 |
| 2400 | 5000 | 50 | 4 x Ø 200 | 1 x 500 x 500 |
| 2600 | 5000 | 50 | 6 x Ø 200 | 2 x 500 x 500 |
| 2800 | 6000 | 40 | 6 x Ø 200 | 2 x 500 x 500 |
| 3000 | 6000 | 40 | 6 x Ø 200 | 2 x 500 x 500 |



TECHNICAL DATA – X-CYCLONE® EJET-M SERIES

| Width [mm] | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 |
|-------------|------|------|------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 | 450 | 450 | 450 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air socket [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|------------------------|-------------------------|
| 3200 | 7000 | 40 | 6 x Ø 200 | 2 x 500 x 500 |
| 3400 | 7000 | 40 | 6 x Ø 200 | 2 x 500 x 500 |
| 3600 | 8000 | 50 | 6 x Ø 200 | 2 x 500 x 500 |
| 3800 | 8000 | 50 | 8 x Ø 200 | 2 x 500 x 500 |
| 4000 | 8000 | 50 | 8 x Ø 200 | 2 x 500 x 500 |



TECHNICAL DATA – X-CYCLONE® EJET-M SERIES

| Length [mm] | Weight [kg] | | | | | | |
|-------------|-------------|------|------|------|------|------|------|
| | Width [mm] | | | | | | |
| | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 |
| 1000 | 118 | 121 | 125 | 130 | 135 | 139 | 147 |
| 1200 | 134 | 138 | 141 | 146 | 152 | 156 | 164 |
| 1400 | 150 | 154 | 158 | 163 | 168 | 172 | 180 |
| 1600 | 166 | 171 | 175 | 180 | 185 | 189 | 197 |
| 1800 | 183 | 187 | 191 | 196 | 201 | 205 | 213 |
| 2000 | 200 | 204 | 208 | 213 | 218 | 223 | 231 |
| 2200 | 216 | 220 | 225 | 230 | 235 | 239 | 247 |
| 2400 | 234 | 237 | 241 | 247 | 252 | 256 | 264 |
| 2600 | 250 | 254 | 258 | 263 | 268 | 272 | 280 |
| 2800 | 267 | 270 | 275 | 280 | 284 | 289 | 297 |
| 3000 | 284 | 287 | 292 | 296 | 300 | 306 | 314 |
| 3200 | 300 | 304 | 308 | 313 | 316 | 323 | 331 |
| 3400 | 317 | 321 | 325 | 330 | 333 | 340 | 348 |
| 3600 | 333 | 337 | 342 | 347 | 349 | 356 | 364 |
| 3800 | 349 | 354 | 359 | 363 | 366 | 373 | 381 |
| 4000 | 366 | 370 | 374 | 380 | 384 | 389 | 397 |





X-CYCLONE® EQA-W Series

Capture hood with integrated air supply system

Peripheral version





RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.



TECHNICAL HIGHLIGHTS

- Combination of the patented REVEN® air-induction technology and the high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Integrated low-velocity air outlets for additional control of air management.
- Efficiency and function of the separators proven by CFD flow analysis.
- More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
- State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN and DIN EN test standards.
- Effective protection of the exhaust duct against contamination.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- The hood and all materials used for its production are 100 % rustproof in accordance with the require-

Further information

www.reven.de (Technologies → for adjustment and control)



ments of the German trademark association for stainless steel
Warenzeichenverband Edelstahl Rostfrei e.V.

- Designed, constructed and produced in Germany.

ACCESSORIES

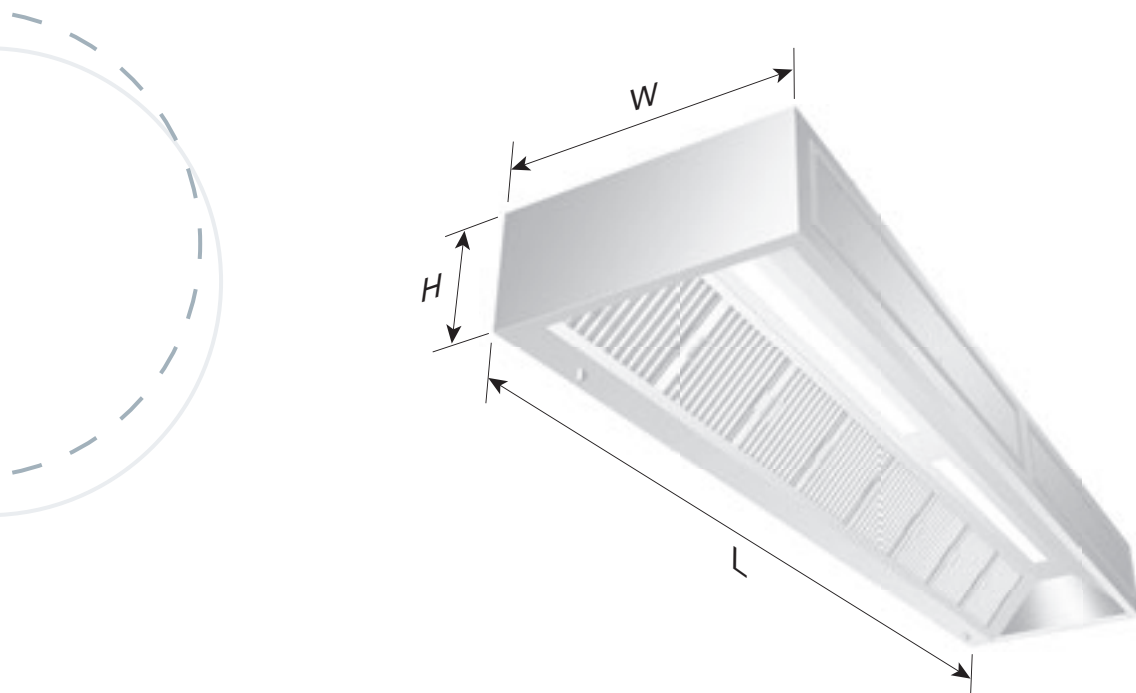
- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.



TECHNICAL DATA – X-CYCLONE® EQA-W SERIES

| Width [mm] | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 |
|-------------|------|------|------|------|------|------|
| Height [mm] | 420 | 420 | 420 | 420 | 420 | 420 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air socket [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|------------------------|-------------------------|
| 1000 | 1000 | 20 | 2 x Ø 200 | 1 x 500 x 250 |
| 1200 | 1000 | 20 | 2 x Ø 200 | 1 x 500 x 250 |
| 1400 | 1500 | 20 | 2 x Ø 200 | 1 x 500 x 250 |
| 1600 | 1500 | 40 | 2 x Ø 200 | 1 x 500 x 250 |
| 1800 | 1500 | 40 | 2 x Ø 200 | 1 x 500 x 250 |
| 2000 | 2000 | 50 | 2 x Ø 200 | 1 x 500 x 250 |
| 2200 | 2000 | 50 | 2 x Ø 200 | 1 x 500 x 250 |
| 2400 | 2500 | 50 | 2 x Ø 200 | 1 x 500 x 250 |
| 2600 | 2500 | 50 | 3 x Ø 200 | 2 x 500 x 250 |
| 2800 | 3000 | 50 | 3 x Ø 200 | 2 x 500 x 250 |
| 3000 | 3000 | 40 | 3 x Ø 200 | 2 x 500 x 250 |



TECHNICAL DATA – X-CYCLONE® EQA-W SERIES

| Width [mm] | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 |
|-------------|------|------|------|------|------|------|
| Height [mm] | 420 | 420 | 420 | 420 | 420 | 420 |

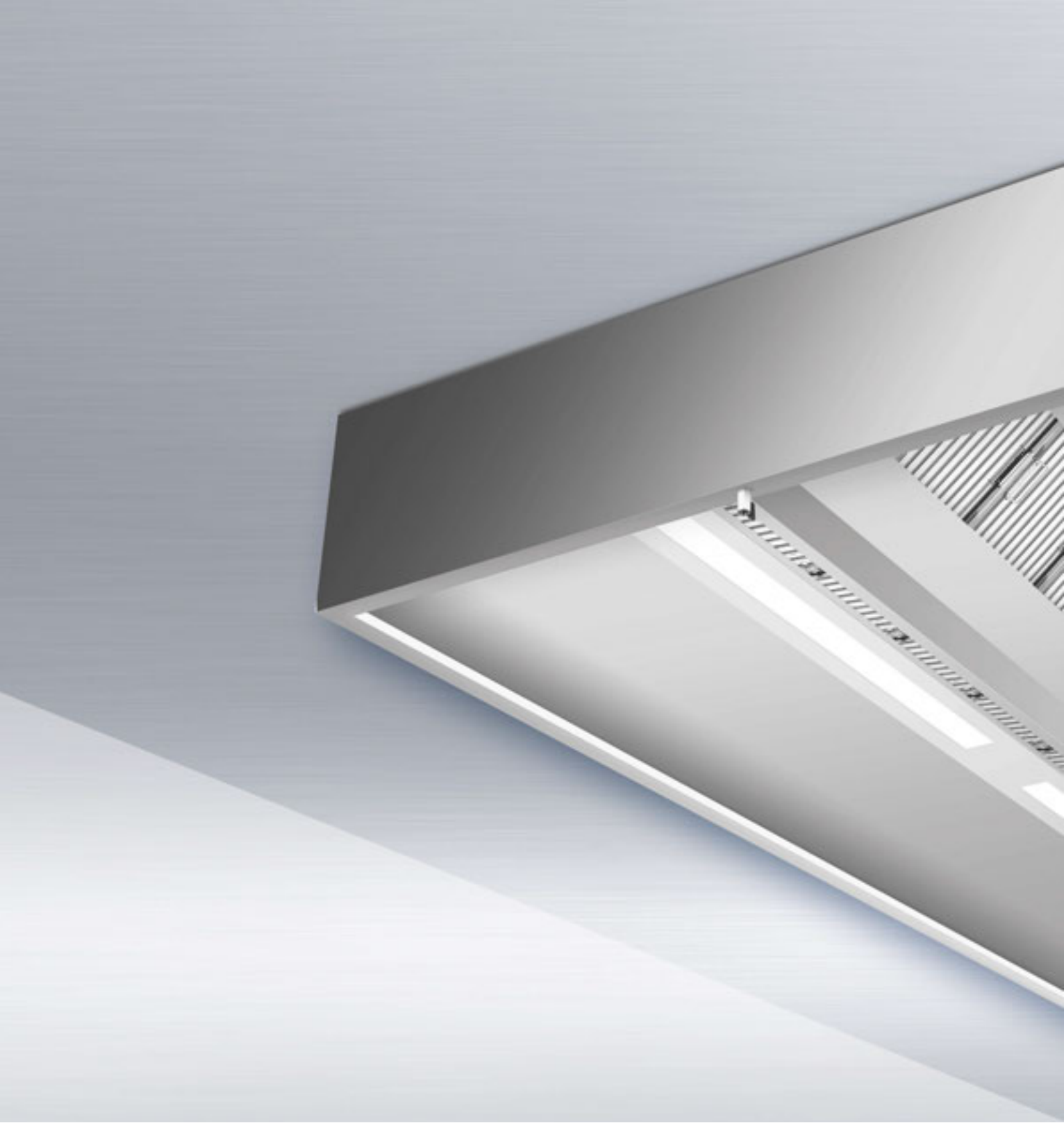
| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air socket [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|------------------------|-------------------------|
| 3200 | 3500 | 40 | 3 x Ø 200 | 2 x 500 x 250 |
| 3400 | 3500 | 40 | 3 x Ø 200 | 2 x 500 x 250 |
| 3600 | 3500 | 40 | 3 x Ø 200 | 2 x 500 x 250 |
| 3800 | 4000 | 40 | 3 x Ø 200 | 2 x 500 x 250 |
| 4000 | 4000 | 50 | 3 x Ø 200 | 2 x 500 x 250 |



TECHNICAL DATA – X-CYCLONE® EQA-W SERIES

| Length [mm] | Weight [kg] | | | | | |
|-------------|-------------|------|------|------|------|------|
| | Width [mm] | | | | | |
| | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 |
| 1000 | 40 | 43 | 46 | 49 | 51 | 55 |
| 1200 | 45 | 49 | 51 | 54 | 58 | 62 |
| 1400 | 52 | 56 | 58 | 62 | 66 | 70 |
| 1600 | 58 | 61 | 65 | 68 | 72 | 76 |
| 1800 | 63 | 67 | 70 | 75 | 78 | 82 |
| 2000 | 68 | 73 | 77 | 81 | 85 | 89 |
| 2200 | 74 | 78 | 83 | 87 | 92 | 96 |
| 2400 | 80 | 85 | 89 | 94 | 99 | 103 |
| 2600 | 85 | 90 | 95 | 101 | 105 | 109 |
| 2800 | 92 | 97 | 103 | 108 | 114 | 118 |
| 3000 | 97 | 103 | 109 | 114 | 121 | 125 |
| 3200 | 103 | 109 | 115 | 121 | 128 | 132 |
| 3400 | 108 | 114 | 121 | 128 | 134 | 138 |
| 3600 | 113 | 120 | 127 | 133 | 140 | 144 |
| 3800 | 122 | 125 | 132 | 140 | 147 | 151 |
| 4000 | 125 | 132 | 140 | 148 | 155 | 159 |





X-CYCLONE® EQA-M Series

Capture hood with integrated air supply system

Central version





RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.

TECHNICAL HIGHLIGHTS

- Combination of the patented REVEN® air-induction technology and the high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Integrated low-velocity air outlets for additional control of air management.
- Efficiency and function of the separators proven by CFD flow analysis.
- More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
- State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN and DIN EN test standards.
- Effective protection of the exhaust duct against contamination.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- The hood and all materials used for its production are 100 % rustproof in accordance with the require-



Further information

www.reven.de (Technologies → for adjustment and control)



ments of the German trademark association for stainless steel
Warenzeichenverband Edelstahl Rostfrei e.V.

- Designed, constructed and produced in Germany.

ACCESSORIES

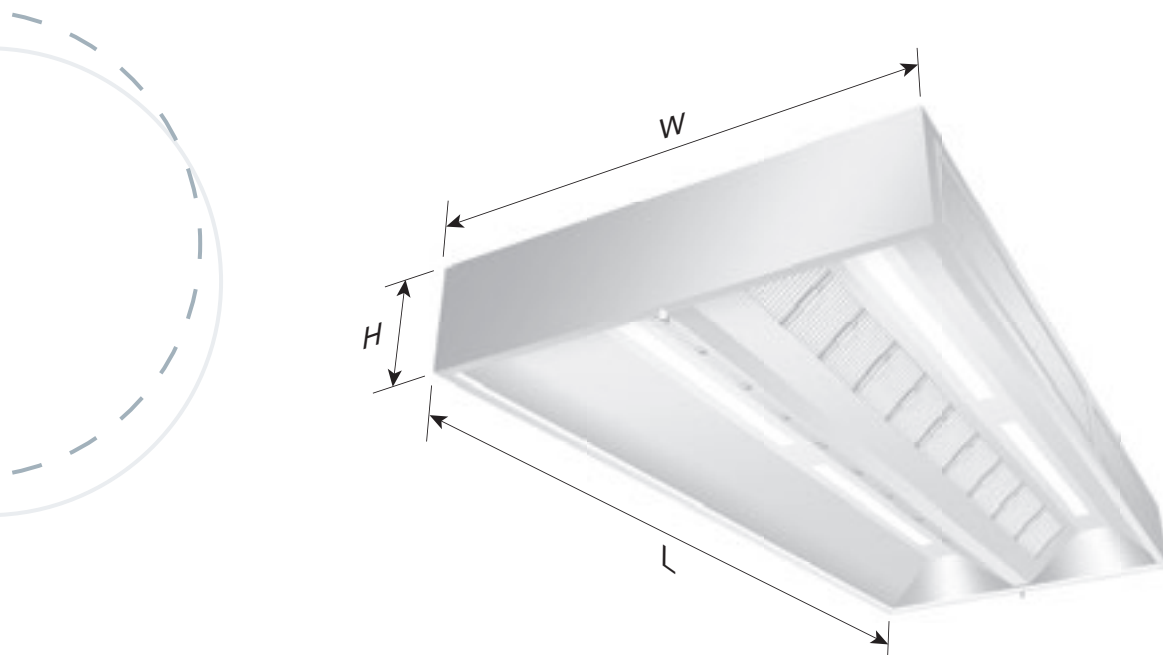
- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.



TECHNICAL DATA – X-CYCLONE® EQA-M SERIES

| Width [mm] | 2100 | 2200 | 2400 | 2600 | 2800 | 3000 |
|-------------|------|------|------|------|------|------|
| Height [mm] | 420 | 420 | 420 | 420 | 420 | 420 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air socket [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|------------------------|-------------------------|
| 1000 | 2000 | 20 | 4 x Ø 200 | 1 x 500 x 500 |
| 1200 | 2000 | 20 | 4 x Ø 200 | 1 x 500 x 500 |
| 1400 | 3000 | 20 | 4 x Ø 200 | 1 x 500 x 500 |
| 1600 | 3000 | 40 | 4 x Ø 200 | 1 x 500 x 500 |
| 1800 | 4000 | 40 | 4 x Ø 200 | 1 x 500 x 500 |
| 2000 | 4000 | 50 | 4 x Ø 200 | 1 x 500 x 500 |
| 2200 | 4000 | 50 | 4 x Ø 200 | 1 x 500 x 500 |
| 2400 | 5000 | 50 | 4 x Ø 200 | 1 x 500 x 500 |
| 2600 | 5000 | 50 | 6 x Ø 200 | 2 x 500 x 500 |
| 2800 | 6000 | 50 | 6 x Ø 200 | 2 x 500 x 500 |
| 3000 | 6000 | 40 | 6 x Ø 200 | 2 x 500 x 500 |



TECHNICAL DATA – X-CYCLONE® EQA-M SERIES

| Width [mm] | 2100 | 2200 | 2400 | 2600 | 2800 | 3000 |
|-------------|------|------|------|------|------|------|
| Height [mm] | 420 | 420 | 420 | 420 | 420 | 420 |

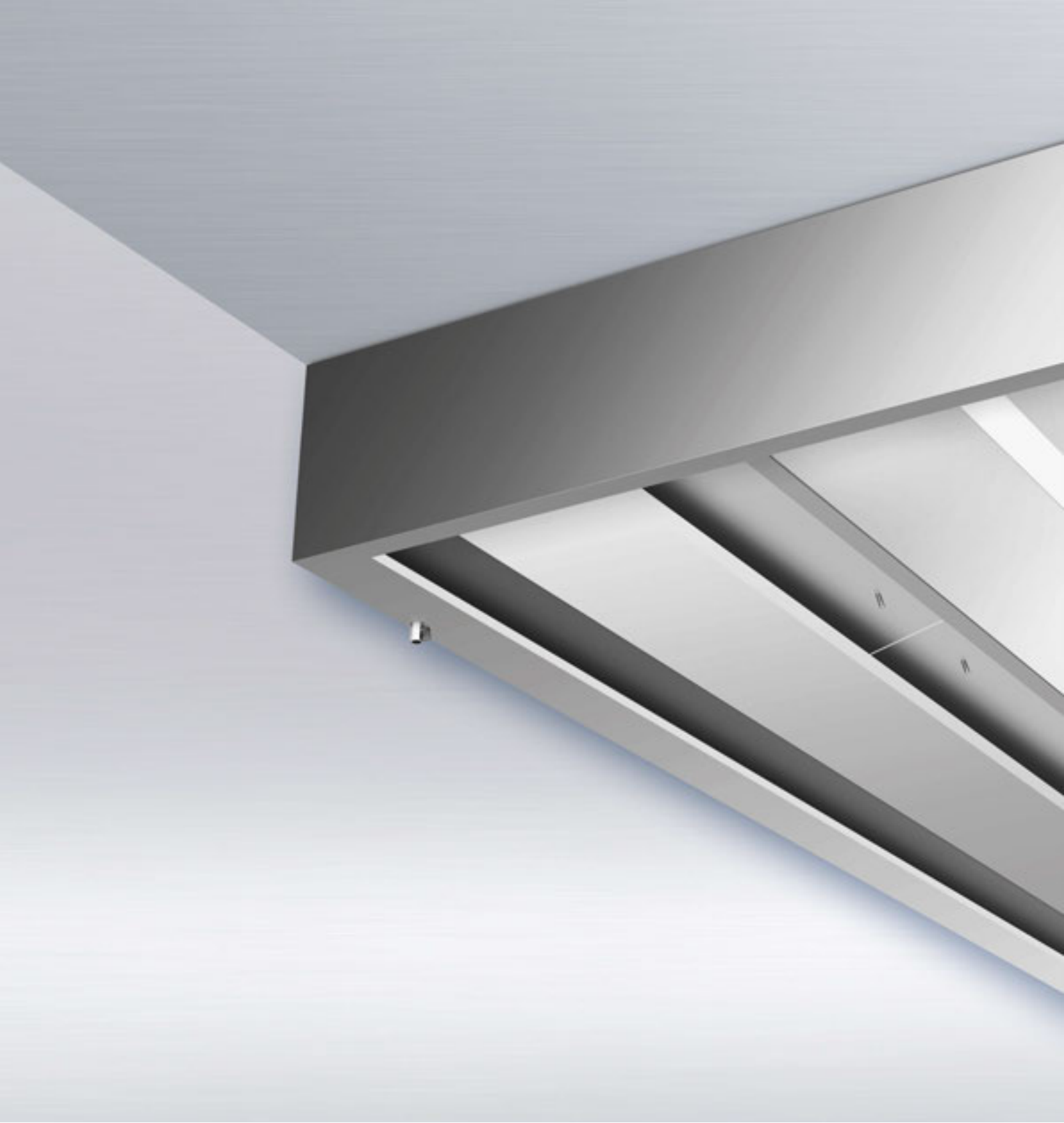
| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Supply air socket [mm] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|------------------------|-------------------------|
| 3200 | 7000 | 40 | 6 x Ø 200 | 2 x 500 x 500 |
| 3400 | 7000 | 40 | 6 x Ø 200 | 2 x 500 x 500 |
| 3600 | 8000 | 40 | 6 x Ø 200 | 2 x 500 x 500 |
| 3800 | 8000 | 40 | 8 x Ø 200 | 2 x 500 x 500 |
| 4000 | 8000 | 50 | 8 x Ø 200 | 2 x 500 x 500 |



TECHNICAL DATA – X-CYCLONE® EQA-M SERIES

| Length [mm] | Weight [kg] | | | | | |
|-------------|-------------|------|------|------|------|------|
| | Width [mm] | | | | | |
| | 2100 | 2200 | 2400 | 2600 | 2800 | 3000 |
| 1000 | 87 | 90 | 96 | 102 | 108 | 114 |
| 1200 | 97 | 100 | 108 | 114 | 120 | 128 |
| 1400 | 112 | 116 | 124 | 130 | 138 | 146 |
| 1600 | 124 | 128 | 136 | 144 | 152 | 160 |
| 1800 | 135 | 140 | 148 | 156 | 166 | 174 |
| 2000 | 148 | 152 | 162 | 172 | 180 | 190 |
| 2200 | 159 | 164 | 174 | 184 | 194 | 204 |
| 2400 | 172 | 178 | 188 | 198 | 210 | 220 |
| 2600 | 183 | 188 | 200 | 212 | 224 | 234 |
| 2800 | 200 | 204 | 216 | 228 | 240 | 254 |
| 3000 | 212 | 216 | 228 | 242 | 254 | 268 |
| 3200 | 224 | 228 | 242 | 256 | 270 | 284 |
| 3400 | 236 | 240 | 254 | 270 | 284 | 298 |
| 3600 | 248 | 252 | 266 | 282 | 296 | 312 |
| 3800 | 268 | 272 | 278 | 294 | 310 | 326 |
| 4000 | 274 | 278 | 294 | 312 | 328 | 344 |





X-CYCLONE® EVSR-W Series

Capture hood with X-CYCLONE® air-cleaning
and REVEX® spraying system

Peripheral version





RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.



TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Integrated, patented REVEX® spraying system for fully automatic cleaning and disinfection of the aerosol separators on both sides.
- Efficiency and function of the separators proven by CFD flow analysis.
- More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
- State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Effective protection of the exhaust duct against contamination.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- The hood and all materials used for its production are 100 % rustproof in accordance with the requirements of the German trademark

Further information

www.reven.de (Technologies → for fume capture)

www.reven.de (Technologies → for adjustment and control)

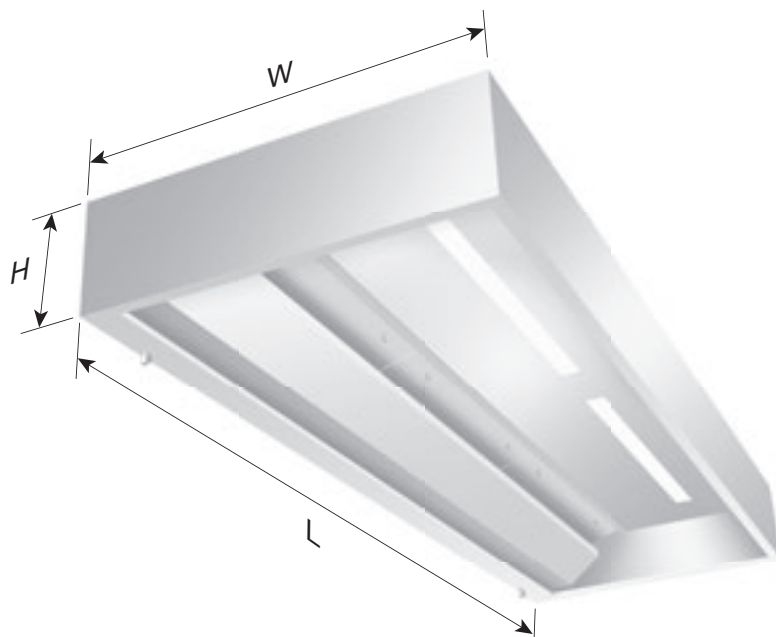


association for stainless steel
Warenzeichenverband Edelstahl
Rostfrei e.V.

- Designed, constructed and produced in Germany.

ACCESSORIES

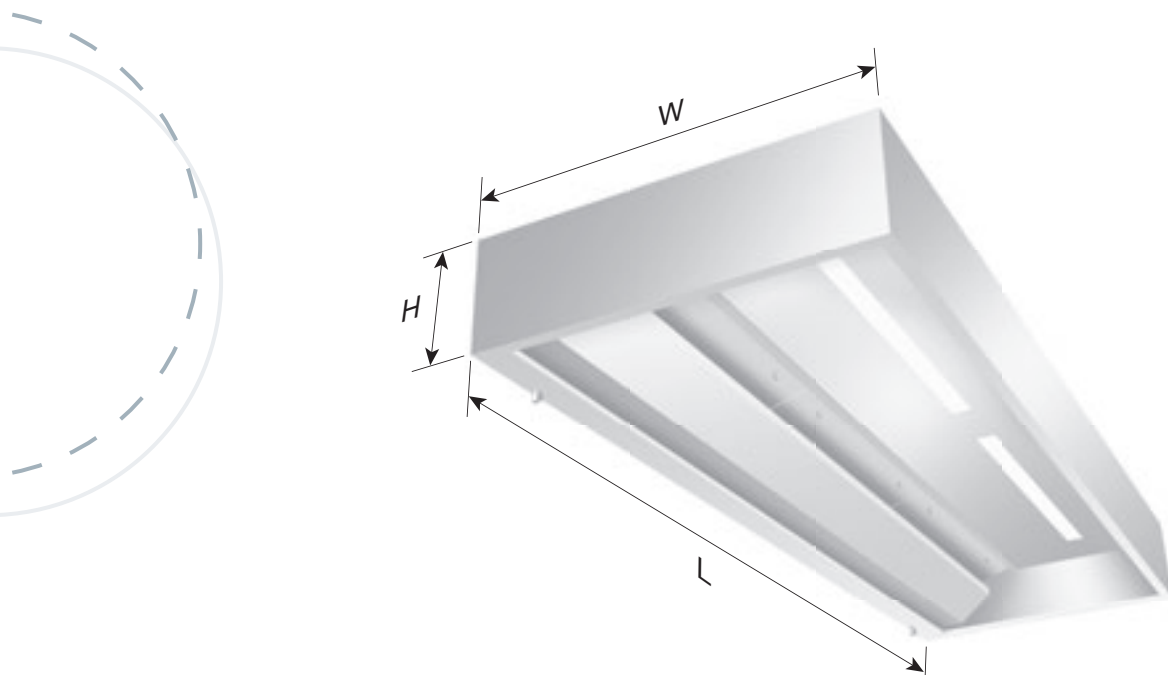
- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.
- REVEN® ECOJET low-velocity air outlet for additional control of air management when operating capture hoods.



TECHNICAL DATA – X-CYCLONE® EVSR-W SERIES

| Width [mm] | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 |
|-------------|------|------|------|------|------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|
| 1000 | 800 | 20 | 1 x 500 x 250 |
| 1200 | 800 | 20 | 1 x 500 x 250 |
| 1400 | 1200 | 20 | 1 x 500 x 250 |
| 1600 | 1200 | 40 | 1 x 500 x 250 |
| 1800 | 1200 | 40 | 1 x 500 x 250 |
| 2000 | 1600 | 50 | 1 x 500 x 250 |
| 2200 | 1600 | 50 | 1 x 500 x 250 |
| 2400 | 2000 | 50 | 1 x 500 x 250 |
| 2600 | 2000 | 50 | 2 x 500 x 250 |
| 2800 | 2400 | 50 | 2 x 500 x 250 |
| 3000 | 2400 | 40 | 2 x 500 x 250 |



TECHNICAL DATA – X-CYCLONE® EVSR-W SERIES

| Width [mm] | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 |
|-------------|------|------|------|------|------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|
| 3200 | 2800 | 40 | 2 x 500 x 250 |
| 3400 | 2800 | 40 | 2 x 500 x 250 |
| 3600 | 2800 | 40 | 2 x 500 x 250 |
| 3800 | 3200 | 40 | 2 x 500 x 250 |
| 4000 | 3200 | 50 | 2 x 500 x 250 |

Other sizes on request!



TECHNICAL DATA – X-CYCLONE® EVSR-W SERIES

| Length [mm] | Weight [kg] | | | | | | | | |
|-------------|-------------|------|------|------|------|------|------|------|------|
| | Width [mm] | | | | | | | | |
| | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 |
| 1000 | 84 | 90 | 96 | 102 | 108 | 114 | 118 | 124 | 128 |
| 1200 | 84 | 100 | 108 | 114 | 120 | 128 | 132 | 138 | 142 |
| 1400 | 108 | 116 | 124 | 130 | 138 | 146 | 150 | 156 | 160 |
| 1600 | 120 | 128 | 136 | 144 | 152 | 160 | 164 | 170 | 174 |
| 1800 | 130 | 140 | 148 | 156 | 166 | 174 | 178 | 184 | 188 |
| 2000 | 144 | 152 | 162 | 172 | 180 | 190 | 194 | 200 | 204 |
| 2200 | 154 | 164 | 174 | 184 | 194 | 204 | 208 | 214 | 218 |
| 2400 | 166 | 178 | 188 | 198 | 210 | 220 | 224 | 230 | 234 |
| 2600 | 178 | 188 | 200 | 212 | 224 | 234 | 238 | 244 | 248 |
| 2800 | 192 | 204 | 216 | 228 | 240 | 254 | 258 | 264 | 268 |
| 3000 | 202 | 216 | 228 | 242 | 254 | 268 | 272 | 278 | 282 |
| 3200 | 216 | 228 | 242 | 256 | 270 | 284 | 288 | 294 | 298 |
| 3400 | 226 | 240 | 254 | 270 | 284 | 298 | 302 | 308 | 312 |
| 3600 | 236 | 252 | 266 | 282 | 296 | 312 | 316 | 322 | 326 |
| 3800 | 248 | 272 | 278 | 294 | 310 | 326 | 330 | 336 | 340 |
| 4000 | 262 | 278 | 294 | 312 | 328 | 344 | 348 | 354 | 358 |





X-CYCLONE® EVSR-M Series

Capture hood with X-CYCLONE® air-cleaning
and REVEX® spraying system

Central version





RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.



TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Integrated, patented REVEX® spraying system for fully automatic cleaning and disinfection of the aerosol separators on both sides.
- Efficiency and function of the separators proven by CFD flow analysis.
- More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
- State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Effective protection of the exhaust duct against contamination.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- The hood and all materials used for its production are 100 % rustproof in accordance with the requirements of the German trademark

Further information

www.reven.de (Technologies → for fume capture)

www.reven.de (Technologies → for adjustment and control)



association for stainless steel
Warenzeichenverband Edelstahl
Rostfrei e.V.

- Designed, constructed and produced in Germany.

ACCESSORIES

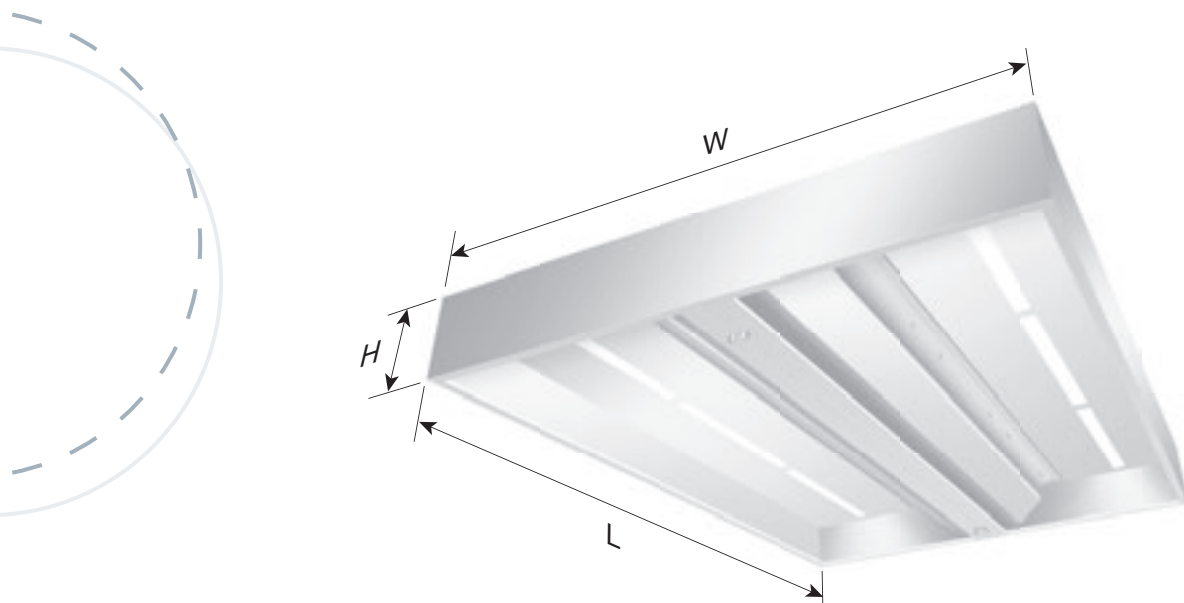
- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.
- REVEN® ECOJET low-velocity air outlet for additional control of air management when operating capture hoods.



TECHNICAL DATA – X-CYCLONE® EVSR-M SERIES

| Width [mm] | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|-------------|------|------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 | 450 | 450 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|
| 1000 | 1600 | 20 | 2 x 500 x 250 |
| 1200 | 1600 | 20 | 2 x 500 x 250 |
| 1400 | 1600 | 20 | 2 x 500 x 250 |
| 1600 | 2400 | 40 | 2 x 500 x 250 |
| 1800 | 2400 | 40 | 2 x 500 x 250 |
| 2000 | 3200 | 50 | 2 x 500 x 250 |
| 2200 | 3200 | 50 | 2 x 500 x 250 |
| 2400 | 4000 | 50 | 2 x 500 x 250 |
| 2600 | 4000 | 50 | 2 x 500 x 500 |
| 2800 | 4800 | 50 | 2 x 500 x 500 |
| 3000 | 4800 | 40 | 2 x 500 x 500 |



TECHNICAL DATA – X-CYCLONE® EVSR-M SERIES

| Width [mm] | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|-------------|------|------|------|------|------|------|
| Height [mm] | 450 | 450 | 450 | 450 | 450 | 450 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|
| 3200 | 5600 | 40 | 2 x 500 x 500 |
| 3400 | 5600 | 40 | 2 x 500 x 500 |
| 3600 | 5600 | 40 | 2 x 500 x 500 |
| 3800 | 6400 | 40 | 2 x 500 x 500 |
| 4000 | 6400 | 50 | 2 x 500 x 500 |

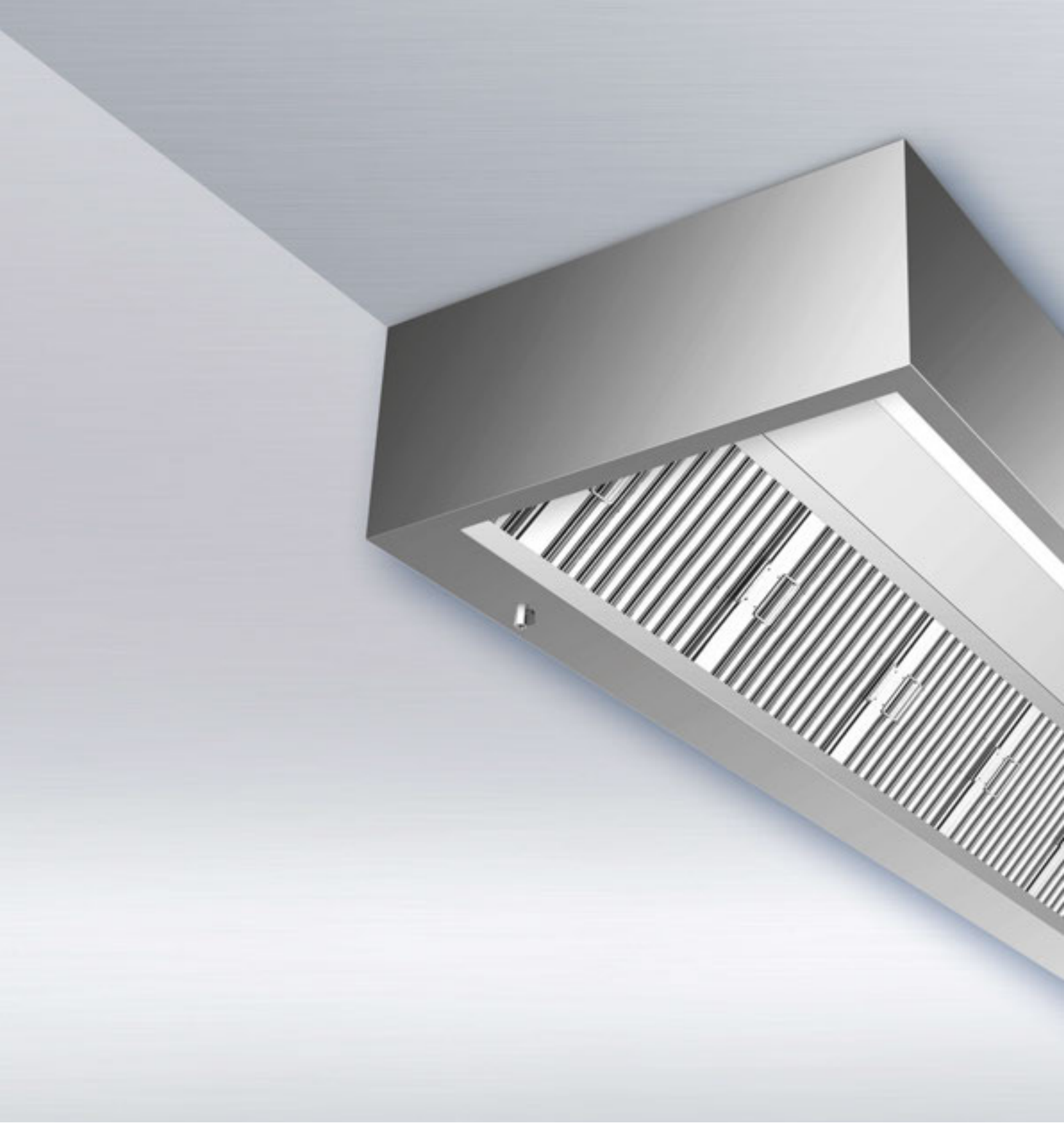
Other sizes on request!



TECHNICAL DATA – X-CYCLONE® EVSR-M SERIES

| Length [mm] | Weight [kg] | | | | | |
|-------------|-------------|------|------|------|------|------|
| | Width [mm] | | | | | |
| | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
| 1000 | 168 | 180 | 192 | 204 | 216 | 228 |
| 1200 | 188 | 200 | 216 | 228 | 240 | 256 |
| 1400 | 216 | 232 | 248 | 260 | 276 | 292 |
| 1600 | 240 | 256 | 272 | 288 | 304 | 320 |
| 1800 | 260 | 280 | 296 | 312 | 332 | 348 |
| 2000 | 288 | 304 | 324 | 344 | 360 | 380 |
| 2200 | 308 | 328 | 348 | 368 | 388 | 408 |
| 2400 | 332 | 356 | 376 | 396 | 420 | 440 |
| 2600 | 356 | 376 | 400 | 424 | 448 | 468 |
| 2800 | 384 | 408 | 432 | 456 | 480 | 508 |
| 3000 | 404 | 432 | 456 | 484 | 508 | 536 |
| 3200 | 432 | 456 | 484 | 512 | 540 | 568 |
| 3400 | 452 | 480 | 508 | 540 | 568 | 596 |
| 3600 | 472 | 504 | 532 | 564 | 592 | 624 |
| 3800 | 496 | 544 | 556 | 588 | 620 | 652 |
| 4000 | 524 | 556 | 588 | 624 | 656 | 688 |





X-CYCLONE® EVS-W Series

Capture hood with X-CYCLONE® air-cleaning system

Peripheral version





RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.



TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Efficiency and function of the separators proven by CFD flow analysis.
- More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
- State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Effective protection of the exhaust duct against contamination.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- The hood and all materials used for its production are 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.

Further information

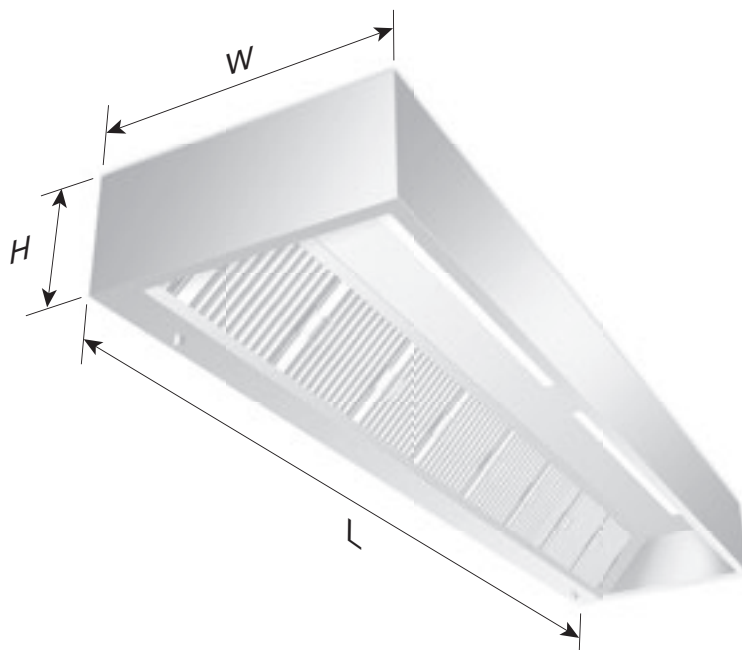
www.reven.de (Technologies → for adjustment and control)



- Designed, constructed and produced in Germany.

ACCESSORIES

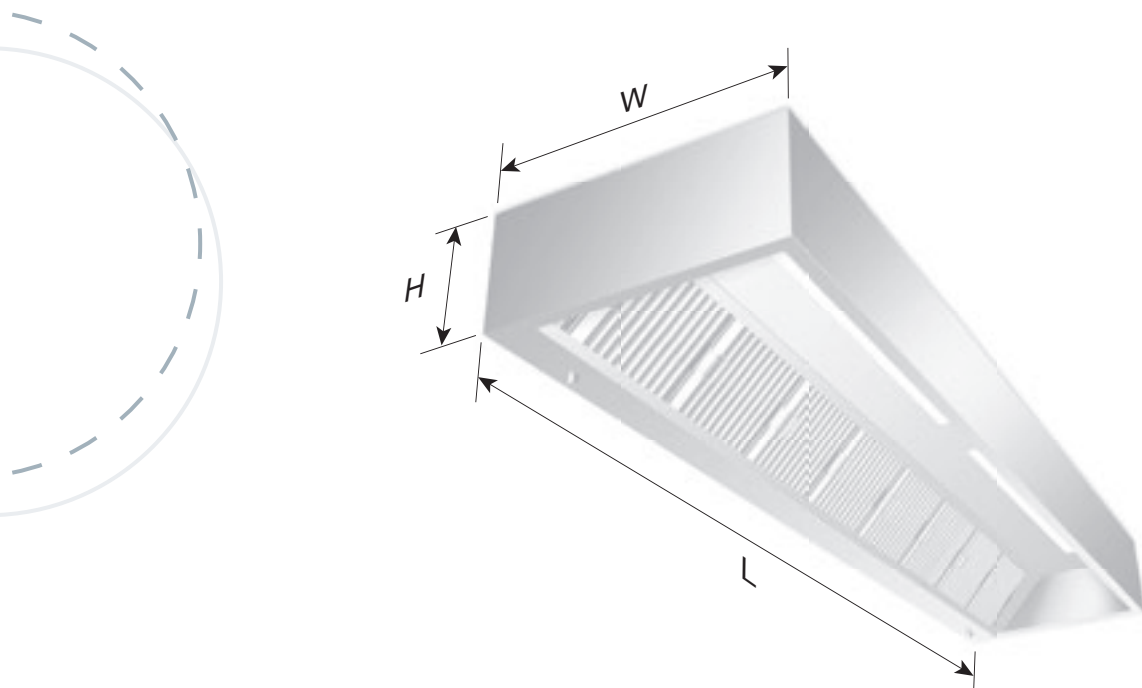
- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.
- REVEN® ECOJET low-velocity air outlet for additional control of air management when operating capture hoods.



TECHNICAL DATA – X-CYCLONE® EVS-W SERIES

| Width [mm] | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 |
|-------------|-----|------|------|------|------|------|------|------|
| Height [mm] | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|
| 1000 | 1000 | 20 | 1 x 500 x 250 |
| 1200 | 1000 | 20 | 1 x 500 x 250 |
| 1400 | 1500 | 20 | 1 x 500 x 250 |
| 1600 | 1500 | 40 | 1 x 500 x 250 |
| 1800 | 2000 | 40 | 1 x 500 x 250 |
| 2000 | 2000 | 50 | 1 x 500 x 250 |
| 2200 | 2000 | 50 | 1 x 500 x 250 |
| 2400 | 2500 | 50 | 1 x 500 x 250 |
| 2600 | 2500 | 50 | 2 x 500 x 250 |
| 2800 | 3000 | 50 | 2 x 500 x 250 |
| 3000 | 3000 | 40 | 2 x 500 x 250 |



TECHNICAL DATA – X-CYCLONE® EVS-W SERIES

| Width [mm] | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 |
|-------------|-----|------|------|------|------|------|------|------|
| Height [mm] | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|
| 3200 | 3500 | 40 | 2 x 500 x 250 |
| 3400 | 3500 | 40 | 2 x 500 x 250 |
| 3600 | 4000 | 40 | 2 x 500 x 250 |
| 3800 | 4000 | 40 | 2 x 500 x 250 |
| 4000 | 4000 | 50 | 2 x 500 x 250 |

Create your capture hood online using the REVEN Configurator and download the BIM data:

<https://bim.reven.de/#/configurator?SelectedElementID=1004>



TECHNICAL DATA – X-CYCLONE® EVS-W SERIES

| Length [mm] | Weight [kg] | | | | | | | |
|-------------|-------------|------|------|------|------|------|------|------|
| | Width [mm] | | | | | | | |
| | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 |
| 1000 | 39 | 42 | 45 | 48 | 51 | 54 | 57 | 60 |
| 1200 | 44 | 47 | 50 | 54 | 57 | 60 | 64 | 68 |
| 1400 | 51 | 54 | 58 | 62 | 65 | 69 | 73 | 77 |
| 1600 | 56 | 60 | 64 | 68 | 72 | 76 | 80 | 85 |
| 1800 | 61 | 65 | 70 | 74 | 78 | 83 | 87 | 93 |
| 2000 | 67 | 72 | 76 | 81 | 86 | 90 | 95 | 101 |
| 2200 | 72 | 77 | 82 | 87 | 92 | 97 | 102 | 108 |
| 2400 | 78 | 83 | 89 | 94 | 99 | 105 | 110 | 116 |
| 2600 | 83 | 89 | 94 | 100 | 106 | 112 | 117 | 124 |
| 2800 | 90 | 96 | 102 | 108 | 114 | 120 | 127 | 135 |
| 3000 | 95 | 101 | 108 | 114 | 121 | 127 | 134 | 141 |
| 3200 | 101 | 108 | 114 | 121 | 128 | 135 | 142 | 149 |
| 3400 | 106 | 113 | 120 | 127 | 135 | 142 | 149 | 156 |
| 3600 | 111 | 118 | 126 | 133 | 141 | 148 | 156 | 163 |
| 3800 | 116 | 124 | 136 | 139 | 147 | 155 | 163 | 171 |
| 4000 | 123 | 131 | 139 | 147 | 156 | 164 | 172 | 179 |

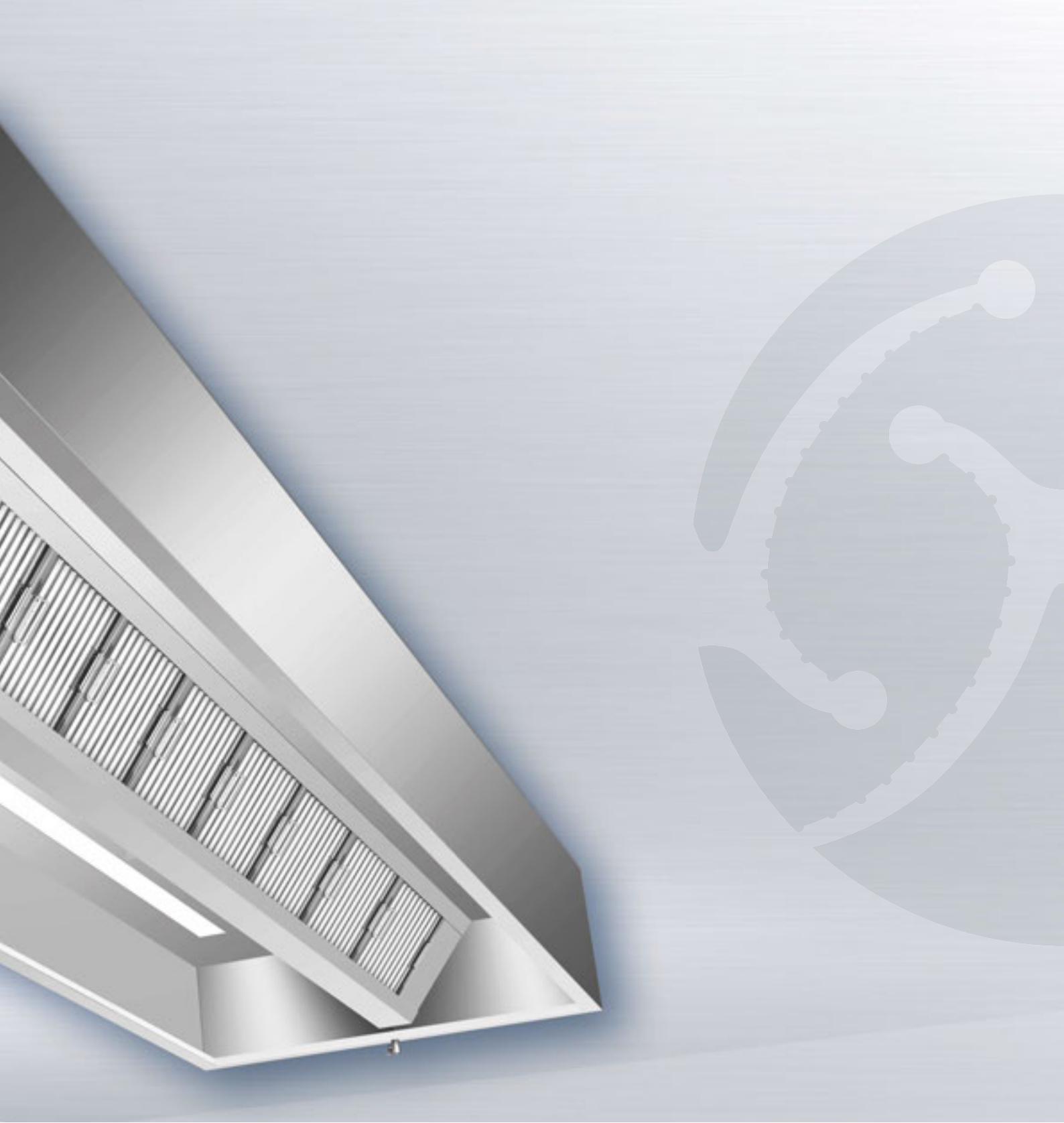




X-CYCLONE® EVS-M Series

Capture hood with X-CYCLONE® air-cleaning system

Central version





RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.



TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Efficiency and function of the separators proven by CFD flow analysis.
- More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
- State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Effective protection of the exhaust duct against contamination.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- The hood and all materials used for its production are 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.

Further information

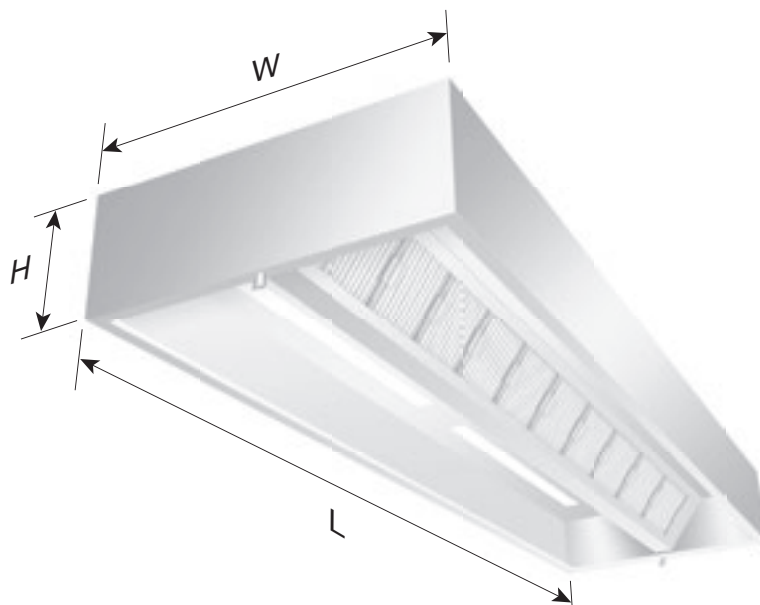
www.reven.de (Technologies → for adjustment and control)



- Designed, constructed and produced in Germany.

ACCESSORIES

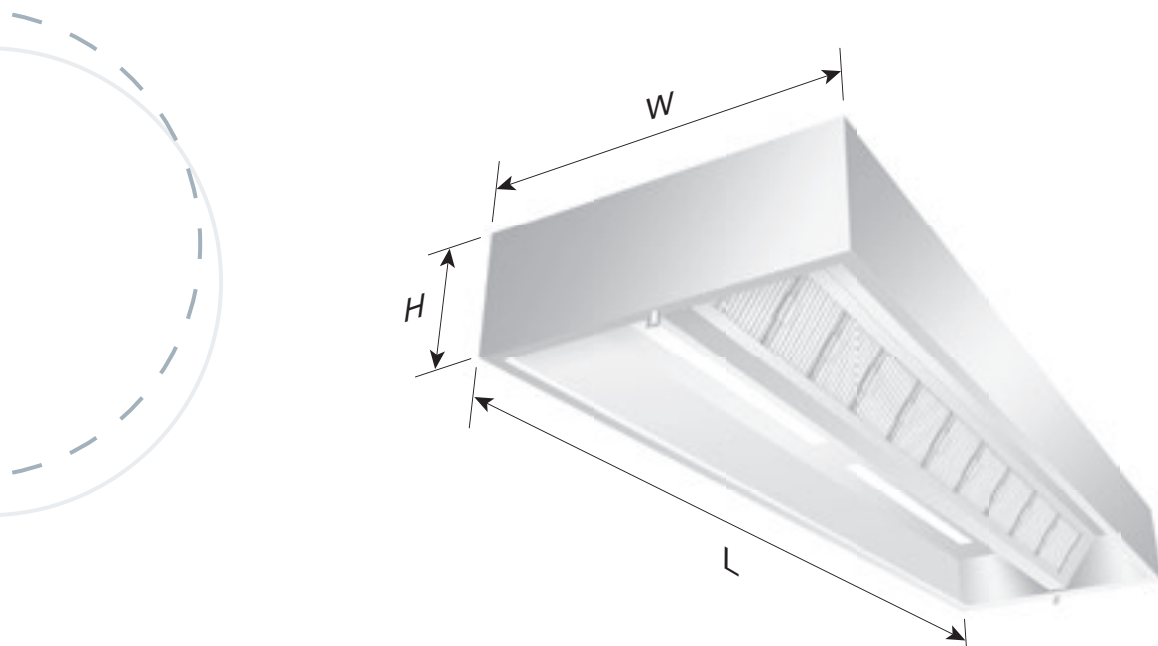
- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.
- REVEN® ECOJET low-velocity air outlet for additional control of air management when operating capture hoods.



TECHNICAL DATA – X-CYCLONE® EVS-M SERIES

| Width [mm] | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|-------------|------|------|------|------|------|------|------|------|
| Height [mm] | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|
| 1000 | 2000 | 20 | 1 x 500 x 500 |
| 1200 | 2000 | 20 | 1 x 500 x 500 |
| 1400 | 3000 | 20 | 1 x 500 x 500 |
| 1600 | 3000 | 40 | 1 x 500 x 500 |
| 1800 | 4000 | 40 | 1 x 500 x 500 |
| 2000 | 4000 | 50 | 1 x 500 x 500 |
| 2200 | 4000 | 50 | 1 x 500 x 500 |
| 2400 | 6000 | 50 | 1 x 500 x 500 |
| 2600 | 6000 | 50 | 2 x 500 x 500 |
| 2800 | 7000 | 50 | 2 x 500 x 500 |
| 3000 | 7000 | 40 | 2 x 500 x 500 |



TECHNICAL DATA – X-CYCLONE® EVS-M SERIES

| Width [mm] | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|-------------|------|------|------|------|------|------|------|------|
| Height [mm] | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|
| 3200 | 8000 | 40 | 2 x 500 x 500 |
| 3400 | 8000 | 40 | 2 x 500 x 500 |
| 3600 | 9000 | 40 | 2 x 500 x 500 |
| 3800 | 9000 | 40 | 2 x 500 x 500 |
| 4000 | 9000 | 50 | 2 x 500 x 500 |

Create your capture hood online using the REVEN Configurator and download the BIM data:

<https://bim.reven.de/#/configurator?SelectedElementID=1005>



TECHNICAL DATA – X-CYCLONE® EVS-M SERIES

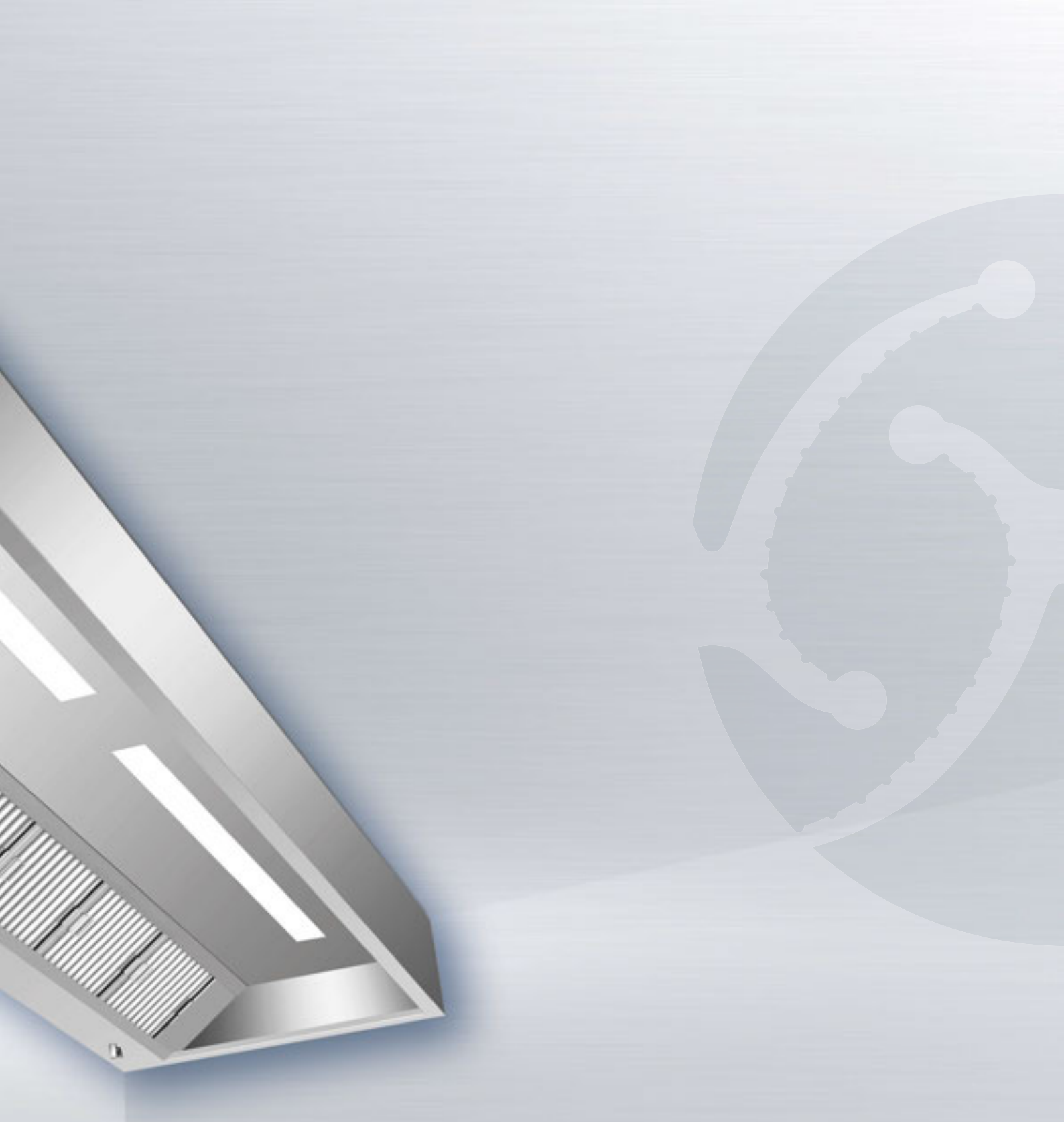
| Length [mm] | Weight [kg] | | | | | | | |
|-------------|-------------|------|------|------|------|------|------|------|
| | Width [mm] | | | | | | | |
| | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
| 1000 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | 114 |
| 1200 | 80 | 86 | 93 | 101 | 109 | 118 | 127 | 137 |
| 1400 | 94 | 102 | 110 | 118 | 128 | 138 | 149 | 161 |
| 1600 | 104 | 112 | 121 | 131 | 141 | 153 | 165 | 178 |
| 1800 | 112 | 121 | 131 | 141 | 152 | 165 | 178 | 192 |
| 2000 | 124 | 134 | 145 | 156 | 169 | 182 | 197 | 213 |
| 2200 | 134 | 145 | 156 | 169 | 182 | 197 | 213 | 230 |
| 2400 | 156 | 168 | 181 | 196 | 212 | 229 | 247 | 247 |
| 2600 | 154 | 166 | 180 | 194 | 210 | 226 | 244 | 264 |
| 2800 | 168 | 181 | 196 | 212 | 229 | 247 | 267 | 288 |
| 3000 | 176 | 190 | 205 | 222 | 239 | 259 | 279 | 302 |
| 3200 | 188 | 203 | 219 | 237 | 256 | 276 | 298 | 322 |
| 3400 | 198 | 214 | 231 | 249 | 269 | 291 | 314 | 339 |
| 3600 | 206 | 222 | 240 | 260 | 280 | 303 | 327 | 353 |
| 3800 | 216 | 233 | 252 | 272 | 294 | 317 | 343 | 370 |
| 4000 | 230 | 248 | 268 | 290 | 313 | 338 | 365 | 394 |





X-CYCLONE® EAS Series

Inexpensive compact capture hood
with X-CYCLONE® air-cleaning system





RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.



TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Efficiency and function of the separators proven by CFD flow analysis.
- More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
- State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Effective protection of the exhaust duct against contamination.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- The hood and all materials used for its production are 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.

Further information

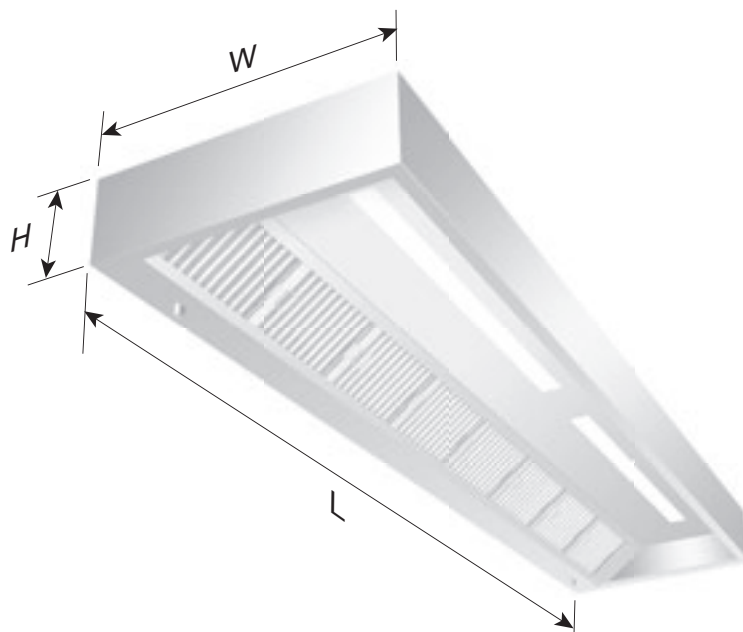
www.reven.de (Technologies → for adjustment and control)



- Designed, constructed and produced in Germany.

ACCESSORIES

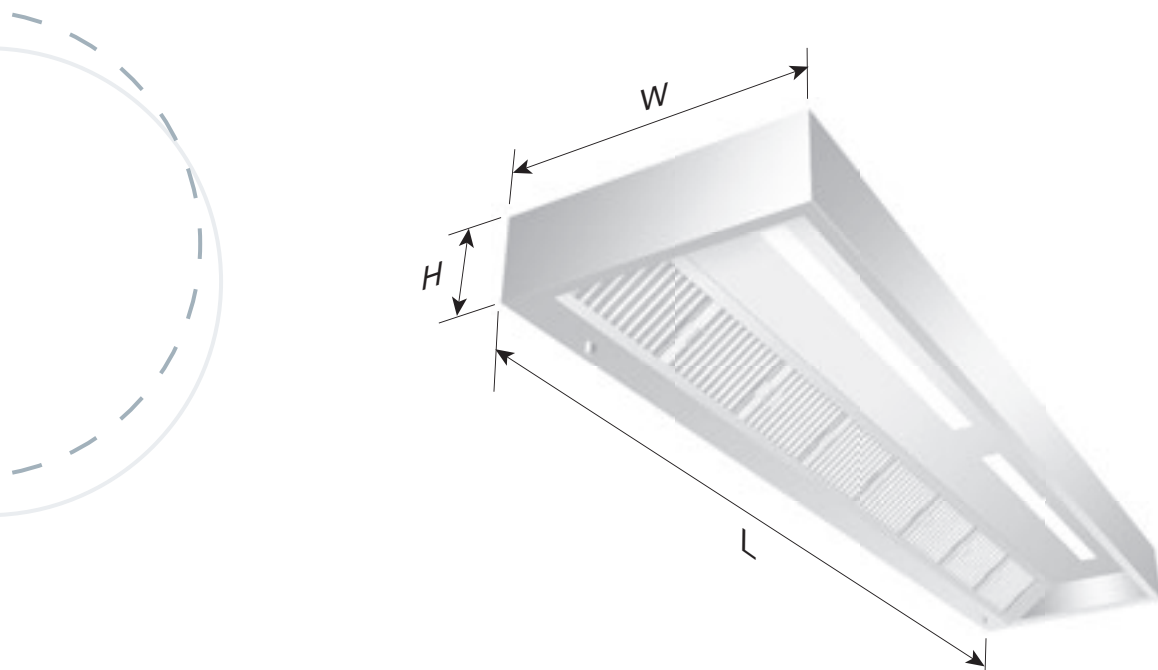
- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.
- REVEN® ECOJET low-velocity air outlet for additional control of air management when operating capture hoods.



TECHNICAL DATA – X-CYCLONE® EAS SERIES

| Width [mm] | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 |
|-------------|-----|------|------|------|------|------|------|------|
| Height [mm] | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|
| 1000 | 640 | 20 | 1 x 500 x 250 |
| 1200 | 640 | 20 | 1 x 500 x 250 |
| 1400 | 960 | 20 | 1 x 500 x 250 |
| 1600 | 960 | 40 | 1 x 500 x 250 |
| 1800 | 1280 | 40 | 1 x 500 x 250 |
| 2000 | 1280 | 50 | 1 x 500 x 250 |
| 2200 | 1280 | 50 | 1 x 500 x 250 |
| 2400 | 1600 | 50 | 1 x 500 x 250 |
| 2600 | 1600 | 50 | 2 x 500 x 250 |
| 2800 | 1920 | 50 | 2 x 500 x 250 |
| 3000 | 1920 | 40 | 2 x 500 x 250 |



TECHNICAL DATA – X-CYCLONE® EAS SERIES

| Width [mm] | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 |
|-------------|-----|------|------|------|------|------|------|------|
| Height [mm] | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Exhaust air socket [mm] |
|-------------|--------------------------|---------------------------------|-------------------------|
| 3200 | 2240 | 40 | 2 x 500 x 250 |
| 3400 | 2240 | 40 | 2 x 500 x 250 |
| 3600 | 2560 | 40 | 2 x 500 x 250 |
| 3800 | 2560 | 40 | 2 x 500 x 250 |
| 4000 | 2560 | 50 | 2 x 500 x 250 |

Create your capture hood online using the REVEN Configurator and download the BIM data:

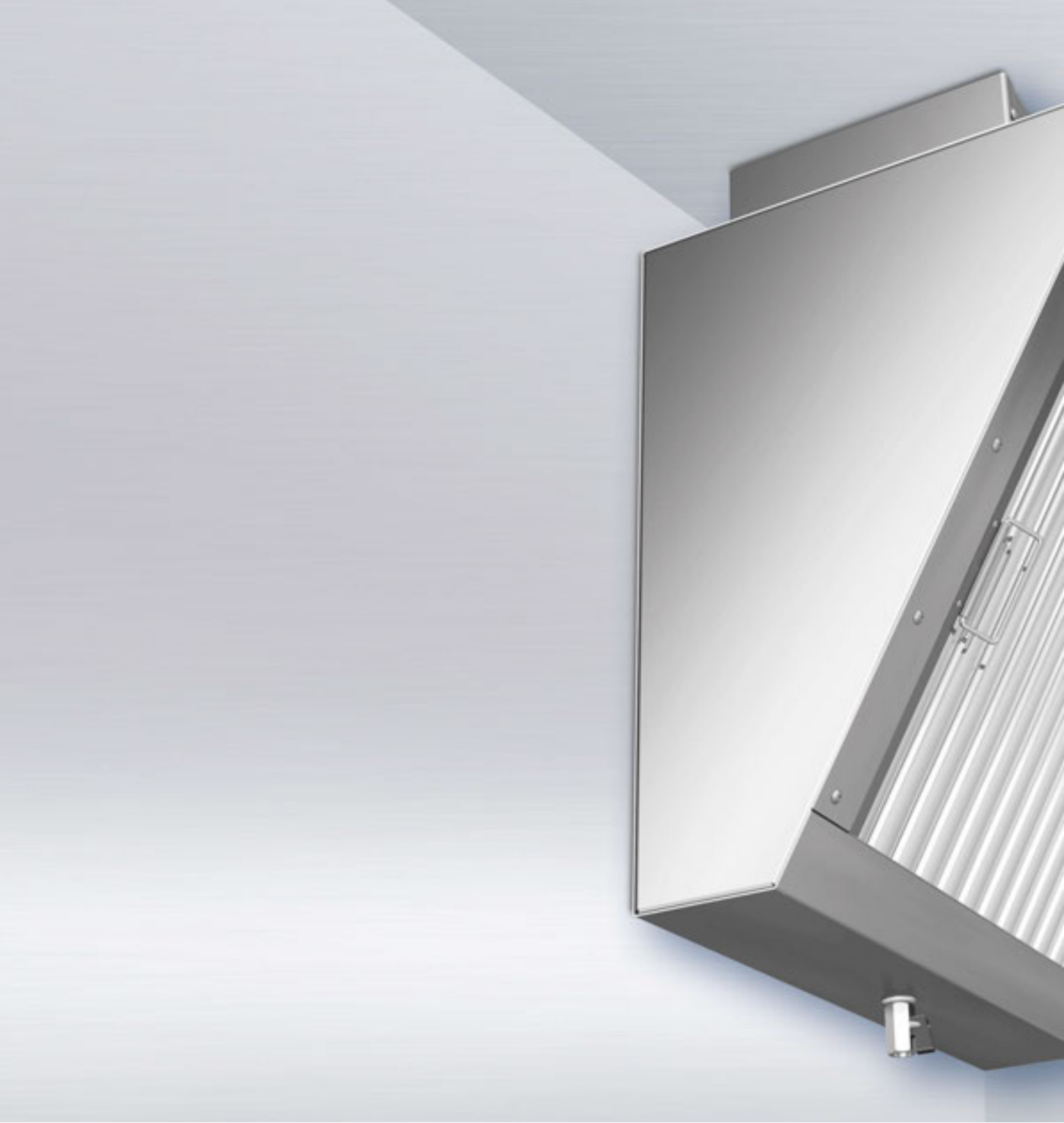
<https://bim.reven.de/#/configurator?SelectedElementID=1006>



TECHNICAL DATA – X-CYCLONE® EAS SERIES

| Length [mm] | Weight [kg] | | | | | | | |
|-------------|-------------|------|------|------|------|------|------|------|
| | Width [mm] | | | | | | | |
| | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 |
| 1000 | 37 | 42 | 47 | 53 | 60 | 67 | 75 | 85 |
| 1200 | 42 | 47 | 53 | 59 | 67 | 75 | 84 | 95 |
| 1400 | 48 | 54 | 61 | 68 | 77 | 86 | 97 | 109 |
| 1600 | 53 | 60 | 67 | 76 | 85 | 96 | 107 | 121 |
| 1800 | 57 | 65 | 73 | 82 | 92 | 104 | 116 | 131 |
| 2000 | 64 | 72 | 81 | 91 | 102 | 115 | 129 | 145 |
| 2200 | 68 | 77 | 87 | 97 | 109 | 123 | 138 | 155 |
| 2400 | 73 | 83 | 93 | 105 | 118 | 132 | 149 | 167 |
| 2600 | 79 | 89 | 100 | 112 | 126 | 142 | 159 | 179 |
| 2800 | 85 | 96 | 108 | 121 | 136 | 153 | 172 | 193 |
| 3000 | 89 | 101 | 113 | 128 | 143 | 161 | 181 | 203 |
| 3200 | 95 | 108 | 121 | 136 | 153 | 172 | 193 | 217 |
| 3400 | 100 | 113 | 127 | 143 | 160 | 180 | 202 | 227 |
| 3600 | 104 | 118 | 133 | 149 | 167 | 188 | 211 | 237 |
| 3800 | 110 | 124 | 139 | 157 | 176 | 198 | 222 | 250 |
| 4000 | 116 | 131 | 147 | 165 | 186 | 209 | 235 | 264 |





X-CYCLONE® E1S Series

Single-side capture module with X-CYCLONE® air-cleaning system





RANGE OF APPLICATION

Capture and cleaning of the exhaust air from processing machines, food production facilities and cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as cooling lubricants, spray mist or cooking fumes.

The module is suitable as pre-separator located above the production area; fitted to the exhaust duct.



TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Efficiency and function of the separators proven by CFD flow analysis.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN and DIN EN test standards.
- Effective protection of the exhaust duct against contamination.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- All materials of the capture module and the materials used for its production are 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Designed, constructed and produced in Germany.

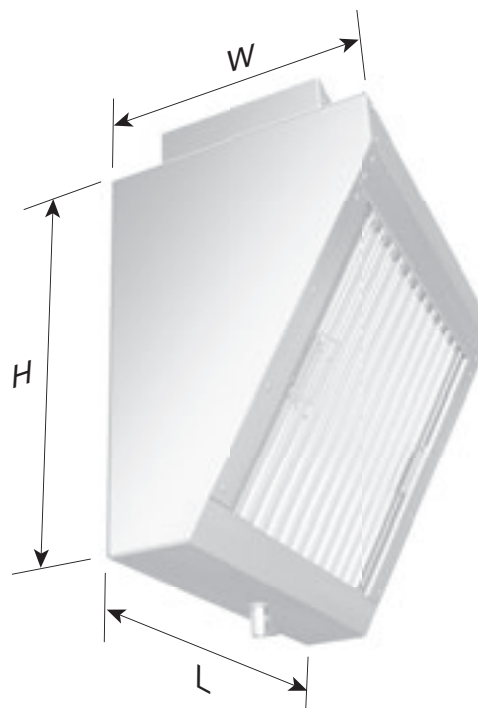
Further information

www.reven.de (Technologies → for adjustment and control)



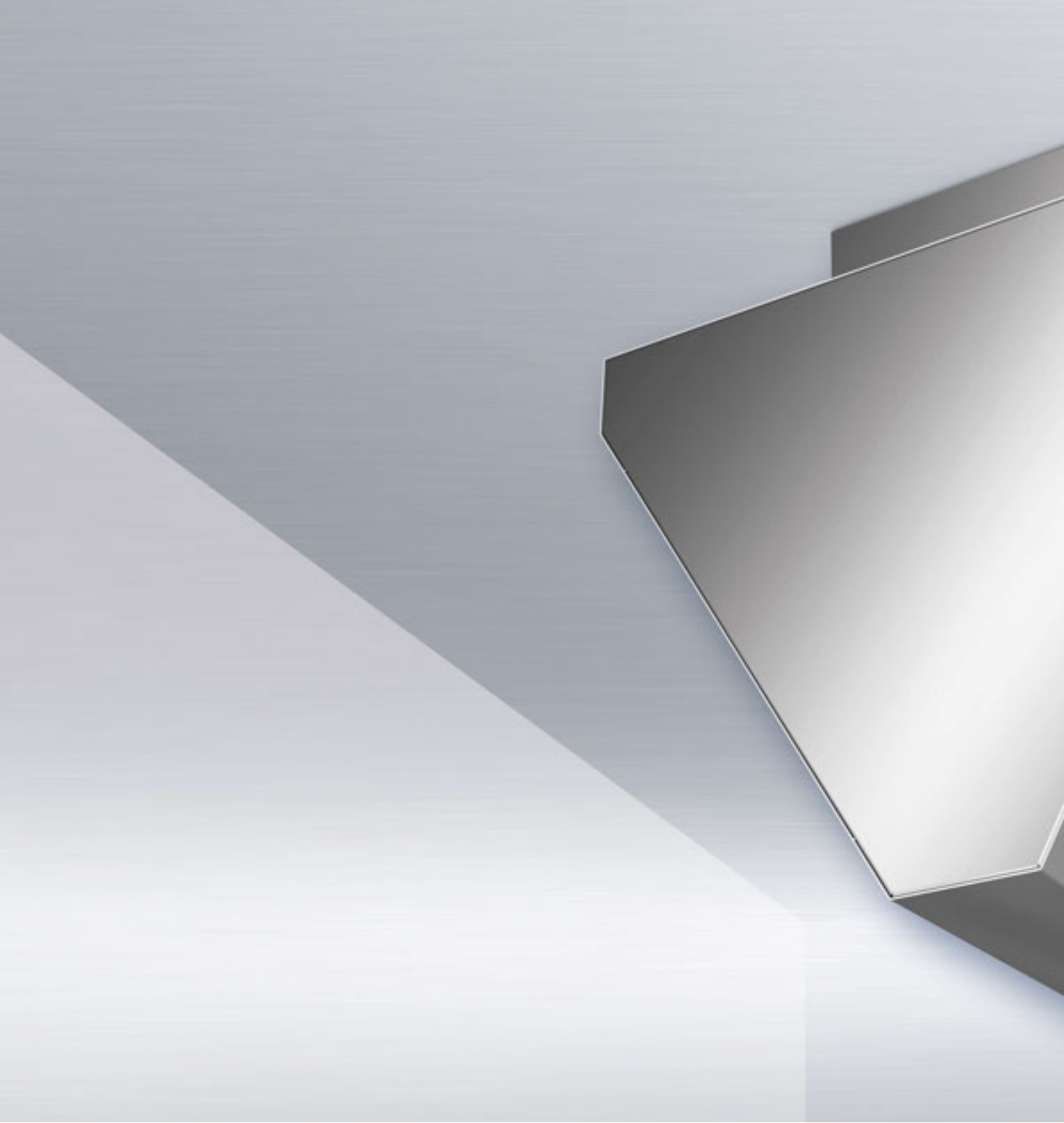
ACCESSORIES

- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.
- REVEN® ECOJET low-velocity air outlet for additional control of air management when operating capture hoods.



TECHNICAL DATA – X-CYCLONE® E1S SERIES

| Type of device | Extraction volume [m³/h] | Dimensions | | | Weight [kg] |
|----------------|--------------------------|-------------|------------|-------------|-------------|
| | | Length [mm] | Width [mm] | Height [mm] | |
| E1S-01 | 1500 | 605 | 380 | 550 | 29 |
| E1S-02 | 3000 | 1095 | 380 | 550 | 52 |
| E1S-03 | 2000 | 605 | 440 | 660 | 33 |
| E1S-04 | 4000 | 1095 | 440 | 660 | 57 |
| E1S-05 | 6000 | 1585 | 440 | 660 | 85 |
| E1S-06 | 2250 | 605 | 480 | 720 | 38 |
| E1S-07 | 4750 | 1095 | 480 | 720 | 61 |
| E1S-08 | 7250 | 1585 | 480 | 720 | 86 |
| E1S-09 | 7500 | 1495 | 520 | 790 | 87 |
| E1S-10 | 11000 | 2185 | 520 | 790 | 113 |
| E1S-11 | 8500 | 1495 | 575 | 885 | 92 |
| E1S-12 | 12500 | 2185 | 575 | 885 | 133 |
| E1S-13 | 16500 | 2875 | 575 | 885 | 163 |
| E1S-14 | 9500 | 1495 | 645 | 1005 | 104 |
| E1S-15 | 14500 | 2185 | 645 | 1005 | 144 |
| E1S-16 | 19500 | 2875 | 645 | 1005 | 192 |



X-CYCLONE® E2S Series

Two-side capture module with X-CYCLONE® air-cleaning system





RANGE OF APPLICATION

Capture and cleaning of the exhaust air from processing machines, food production facilities and cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as cooling lubricants, spray mist or cooking fumes.

The module is suitable as pre-separator located above the production area; fitted to the exhaust duct.



TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Efficiency and function of the separators proven by CFD flow analysis.
- Fire protection in the exhaust duct by flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN and DIN EN test standards.
- Effective protection of the exhaust duct against contamination.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- All materials of the capture module and the materials used for its production are 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Designed, constructed and produced in Germany.

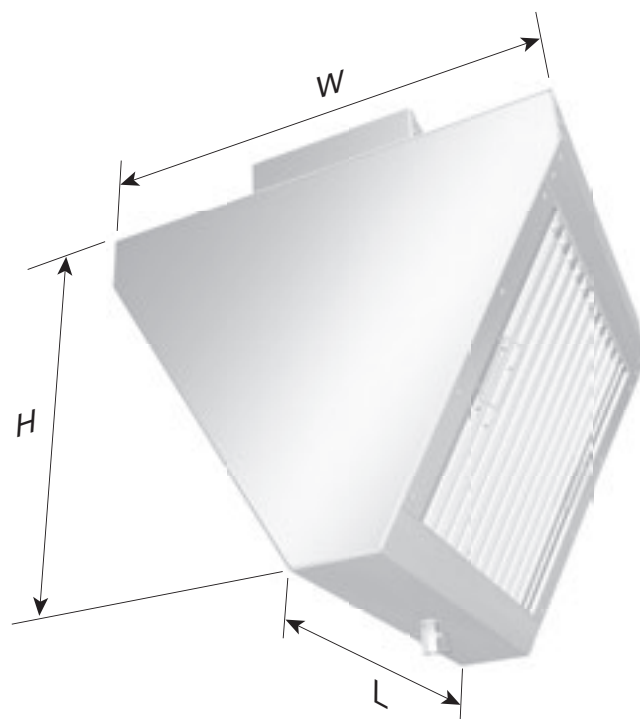
Further information

www.reven.de (Technologies → for adjustment and control)



ACCESSORIES

- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.
- REVEN® ECOJET low-velocity air outlet for additional control of air management when operating capture hoods.



TECHNICAL DATA – X-CYCLONE® E2S SERIES

| Type of device | Extraction volume [m³/h] | Dimensions | | | Weight [kg] |
|----------------|--------------------------|-------------|------------|-------------|-------------|
| | | Length [mm] | Width [mm] | Height [mm] | |
| E2S-01 | 3000 | 605 | 650 | 550 | 35 |
| E2S-02 | 6000 | 1095 | 650 | 550 | 65 |
| E2S-03 | 4000 | 605 | 770 | 660 | 42 |
| E2S-04 | 8000 | 1095 | 770 | 660 | 74 |
| E2S-05 | 12000 | 1585 | 770 | 660 | 122 |
| E2S-06 | 4500 | 605 | 850 | 720 | 45 |
| E2S-07 | 9500 | 1095 | 850 | 720 | 82 |
| E2S-08 | 14500 | 1585 | 850 | 720 | 132 |
| E2S-09 | 15000 | 1495 | 930 | 790 | 116 |
| E2S-10 | 22000 | 2185 | 930 | 790 | 167 |
| E2S-11 | 17000 | 1495 | 1040 | 885 | 130 |
| E2S-12 | 25000 | 2185 | 1040 | 885 | 182 |
| E2S-13 | 33000 | 2875 | 1040 | 885 | 233 |
| E2S-14 | 19000 | 1495 | 1180 | 1005 | 162 |
| E2S-15 | 29000 | 2185 | 1180 | 1005 | 199 |
| E2S-16 | 39000 | 2875 | 1180 | 1005 | 253 |



X-CYCLONE® EGJ Series

Stand-alone capture hood with REVEN® air-induction system



Also available with REVEN® efficiency air-induction system!*

REVEN 
SCHAKO Group



RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.

The hood is suitable for installation at the food production or preparation area.



TECHNICAL HIGHLIGHTS

- Combination of the patented REVEN® air-induction technology and the high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- New, internationally patented air-induction nozzle for the efficient capture and cleaning of the exhaust air.
- Efficiency and function of the separators proven by CFD flow analysis.
- Integrated air-induction system preventing draughts and ensuring compliance with the maximum permissible supply flow rates.*
- More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN and DIN EN test standards.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.

Further information

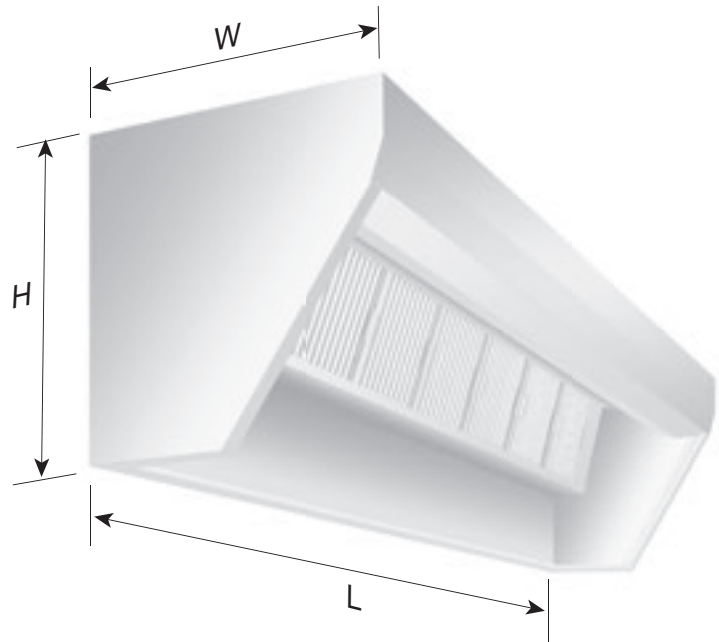
www.reven.de (Links/Speed Control Videos)



* Optionally available with the improved REVEN® efficiency air-induction system – improves the capturing of the exhaust air without any supply air directly blown in.

ACCESSORIES

- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.
- REVEN® ECOJET low-velocity air outlet for additional control of air management when operating capture hoods.



TECHNICAL DATA – X-CYCLONE® EGJ SERIES

| Extraction volume [m³/h] | Dimensions | | | | | Weight [kg] |
|-----------------------------|----------------|---------------|----------------|----------------------------|----------------------------|----------------|
| | Length [mm] | Width [mm] | Height [mm] | Supply air dampers [mm] | Exhaust air socket [mm] | |
| 1000 | 1000 | 750 | 810 | 1 x 750 x 125 | 1 x 750 x 150 | 87 |
| 1000 | 1200 | 750 | 810 | 1 x 750 x 125 | 1 x 750 x 150 | 98 |
| 1500 | 1400 | 750 | 810 | 1 x 750 x 125 | 1 x 750 x 150 | 109 |
| 1500 | 1600 | 750 | 810 | 1 x 750 x 125 | 1 x 750 x 150 | 120 |
| 2000 | 1800 | 750 | 810 | 1 x 750 x 125 | 1 x 750 x 150 | 132 |
| 2000 | 2000 | 750 | 810 | 1 x 750 x 125 | 1 x 750 x 150 | 146 |
| 2000 | 2200 | 750 | 810 | 1 x 750 x 125 | 1 x 750 x 150 | 157 |
| 2500 | 2400 | 750 | 810 | 1 x 750 x 125 | 1 x 750 x 150 | 168 |
| 2500 | 2600 | 750 | 810 | 2 x 750 x 125 | 2 x 750 x 150 | 180 |
| 3000 | 2800 | 750 | 810 | 2 x 750 x 125 | 2 x 750 x 150 | 191 |
| 3000 | 3000 | 750 | 810 | 2 x 750 x 125 | 2 x 750 x 150 | 202 |
| 3500 | 3200 | 750 | 810 | 2 x 750 x 125 | 2 x 750 x 150 | 214 |
| 3500 | 3400 | 750 | 810 | 2 x 750 x 125 | 2 x 750 x 150 | 225 |
| 4000 | 3600 | 750 | 810 | 2 x 750 x 125 | 2 x 750 x 150 | 237 |
| 4000 | 3800 | 750 | 810 | 2 x 750 x 125 | 2 x 750 x 150 | 250 |
| 4000 | 4000 | 750 | 810 | 2 x 750 x 125 | 2 x 750 x 150 | 260 |



X-CYCLONE® EGS Series

Stand-alone capture hood with X-CYCLONE® air-cleaning system





RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.

The hood is suitable for installation at the food production or preparation area.



TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Efficiency and function of the separators proven by CFD flow analysis.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Effective protection of the exhaust duct against contamination.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- The hood and all materials used for its production are 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.

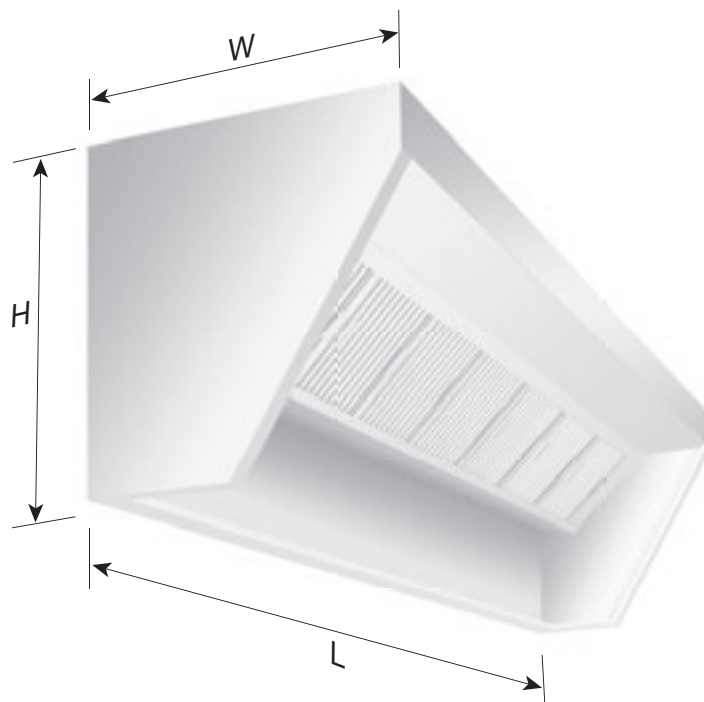
Further information

www.reven.de (Technologies → for adjustment and control)



ACCESSORIES

- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.
- REVEN® ECOJET low-velocity air outlet for additional control of air management when operating capture hoods.



TECHNICAL DATA – X-CYCLONE® EGS SERIES

| Extraction volume [m³/h] | Dimensions | | | | Weight [kg] |
|-----------------------------|----------------|---------------|----------------|----------------------------|----------------|
| | Length [mm] | Width [mm] | Height [mm] | Exhaust air socket [mm] | |
| 1000 | 1000 | 750 | 810 | 1 x 750 x 150 | 48 |
| 1000 | 1200 | 750 | 810 | 1 x 750 x 150 | 54 |
| 1500 | 1400 | 750 | 810 | 1 x 750 x 150 | 62 |
| 1500 | 1600 | 750 | 810 | 1 x 750 x 150 | 68 |
| 2000 | 1800 | 750 | 810 | 1 x 750 x 150 | 74 |
| 2000 | 2000 | 750 | 810 | 1 x 750 x 150 | 81 |
| 2000 | 2200 | 750 | 810 | 1 x 750 x 150 | 87 |
| 2500 | 2400 | 750 | 810 | 1 x 750 x 150 | 94 |
| 2500 | 2600 | 750 | 810 | 2 x 750 x 150 | 100 |
| 3000 | 2800 | 750 | 810 | 2 x 750 x 150 | 108 |
| 3000 | 3000 | 750 | 810 | 2 x 750 x 150 | 114 |
| 3500 | 3200 | 750 | 810 | 2 x 750 x 150 | 121 |
| 3500 | 3400 | 750 | 810 | 2 x 750 x 150 | 127 |
| 4000 | 3600 | 750 | 810 | 2 x 750 x 150 | 133 |
| 4000 | 3800 | 750 | 810 | 2 x 750 x 150 | 139 |
| 4000 | 4000 | 750 | 810 | 2 x 750 x 150 | 147 |



X-CYCLONE® EGU Series

Recirculation hood with X-CYCLONE® air-cleaning system
for the reduction of organic odour pollution





RANGE OF APPLICATION

Capture and cleaning of the exhaust air from production machines in the food industry and from cooking appliances in commercial kitchens with a recirculation system. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.



TECHNICAL HIGHLIGHTS

- Combination of the patented REVEN® air-induction technology and the high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- RGN99 high-performance granulate, a food-compliant alternative to activated carbon. Odour reduction by oxidation of odour molecules in the exhaust air.
- Oxidation with potassium permanganate and volcanic rock zeolite. Odours are eliminated by the reaction with potassium permanganate; residual odour particles are trapped in the molecular sieve provided by the volcanic zeolite carrier material.
- Integrated low-velocity air outlets for additional control of air management.
- Efficiency and function of the separators proven by CFD flow analysis.
- More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
- State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the hood frame.

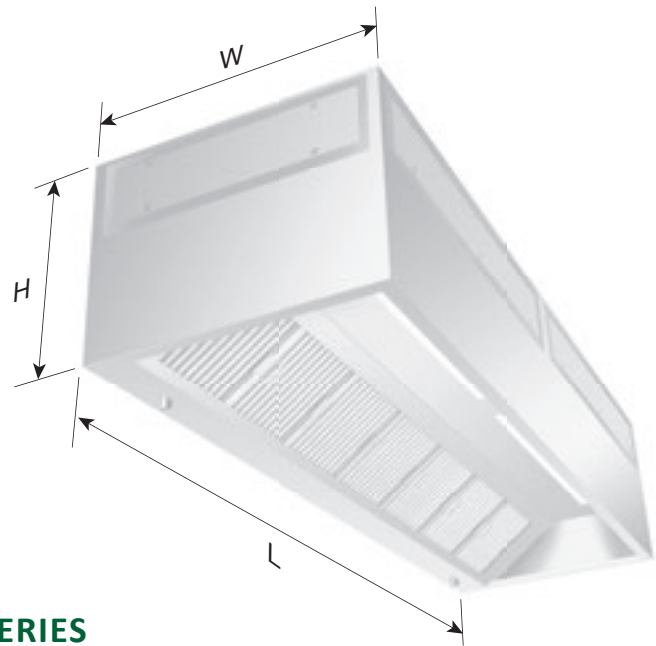
Further information

www.reven.de (Technologies → for adjustment and control)



ACCESSORIES

- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.



TECHNICAL DATA – X-CYCLONE® EGU SERIES

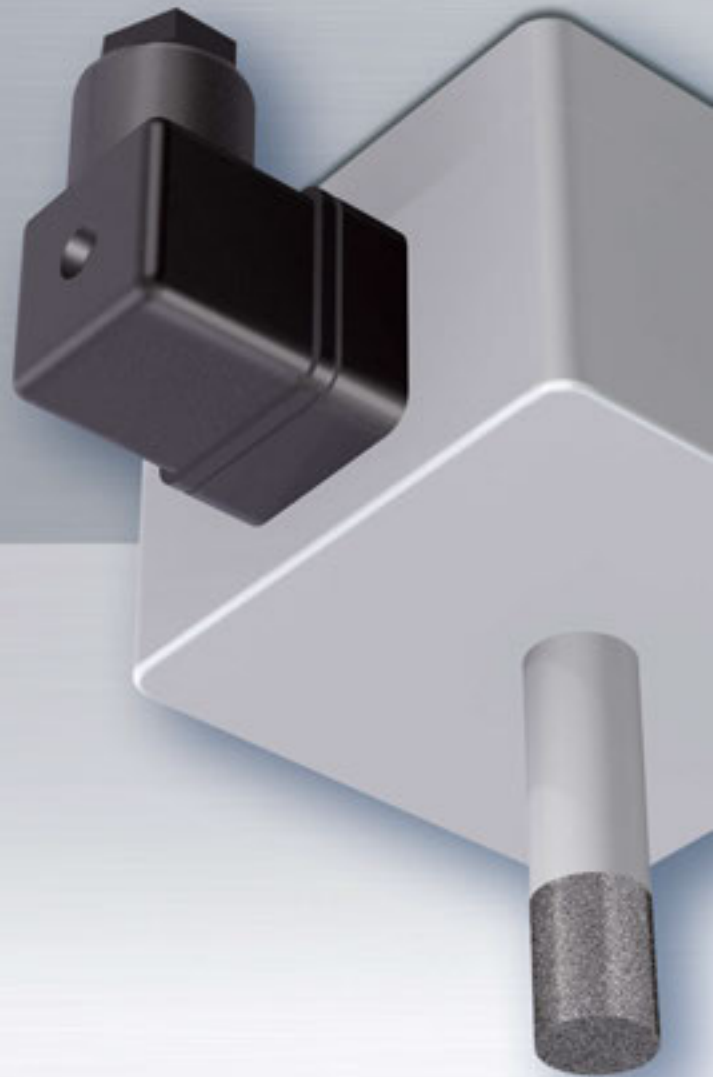
| Width [mm] | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 |
|-------------|------|------|------|------|------|------|
| Height [mm] | 720 | 720 | 720 | 720 | 720 | 720 |

| Length [mm] | Extraction volume [m³/h] | Connected load illumination [W] | Connected load fan [W] |
|-------------|--------------------------|---------------------------------|------------------------|
| 850 | 500 | – | 355 – 400 |
| 900 | 1000 | – | 355 – 400 |
| 1000 | 1000 | 20 | 355 – 400 |
| 1200 | 1000 | 20 | 355 – 400 |
| 1400 | 1200 | 20 | 355 – 400 |
| 1600 | 1200 | 40 | 355 – 400 |
| 1800 | 1200 | 40 | 355 – 400 |

Create your capture hood online using the REVEN Configurator and download the BIM data:

<https://bim.reven.de/#/configurator?SelectedElementID=1007>

| Length [mm] | Weight [kg] | | | | | |
|-------------|-------------|------|------|------|------|------|
| | Width [mm] | | | | | |
| | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 |
| 850 | 73 | 79 | 84 | 90 | 96 | 102 |
| 900 | 79 | 85 | 90 | 96 | 102 | 108 |
| 1000 | 84 | 90 | 96 | 102 | 108 | 114 |
| 1200 | 94 | 100 | 108 | 114 | 120 | 128 |
| 1400 | 108 | 116 | 124 | 130 | 138 | 146 |
| 1500 | 114 | 122 | 130 | 137 | 145 | 153 |
| 1600 | 120 | 128 | 135 | 140 | 150 | 160 |
| 1800 | 132 | 146 | 158 | 165 | 178 | 186 |



REVEN® RSC Series

Energy-saving sensor for capture hoods
and ceiling-mounted extractors





RANGE OF APPLICATION

Monitoring, control and adjustment of the exhaust airflow in duct air cleaners, capture hoods and ceiling-mounted extractors.

TECHNICAL HIGHLIGHTS

- Automatic demand-driven control of the exhaust air volume flow depending on ambient temperature and moisture.
- Continuous automatic control via variable output signals between 0 and 10 volts. Response time to changes in the ambient conditions (temperature and humidity) is two seconds maximum.
- Limitation of the airflow volume to the minimum value to ensure efficient separation.
- Adjustable maximum and minimum values for temperature and humidity. Output signal of 0 V at minimum and 10 V at maximum.
- Humidity and temperature sensors protected against contamination by easy-to-clean, sintered metal sleeves.
- Voltage supply via special power unit with smoothed output voltage: input voltage 230 V ~ output voltage 25 V =

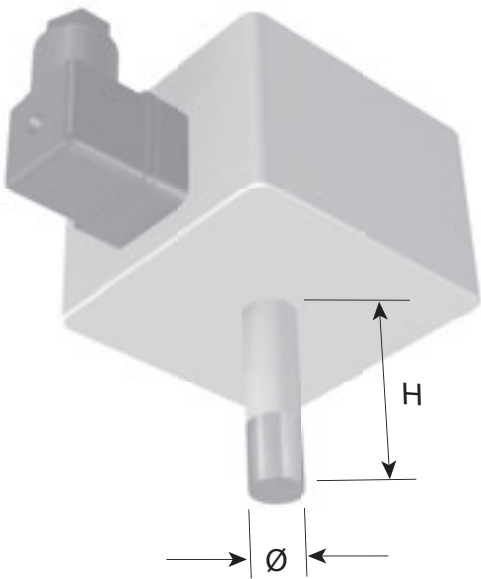
Further information

www.reven.de (Technologies → for adjustment and control)



ACCESSORIES

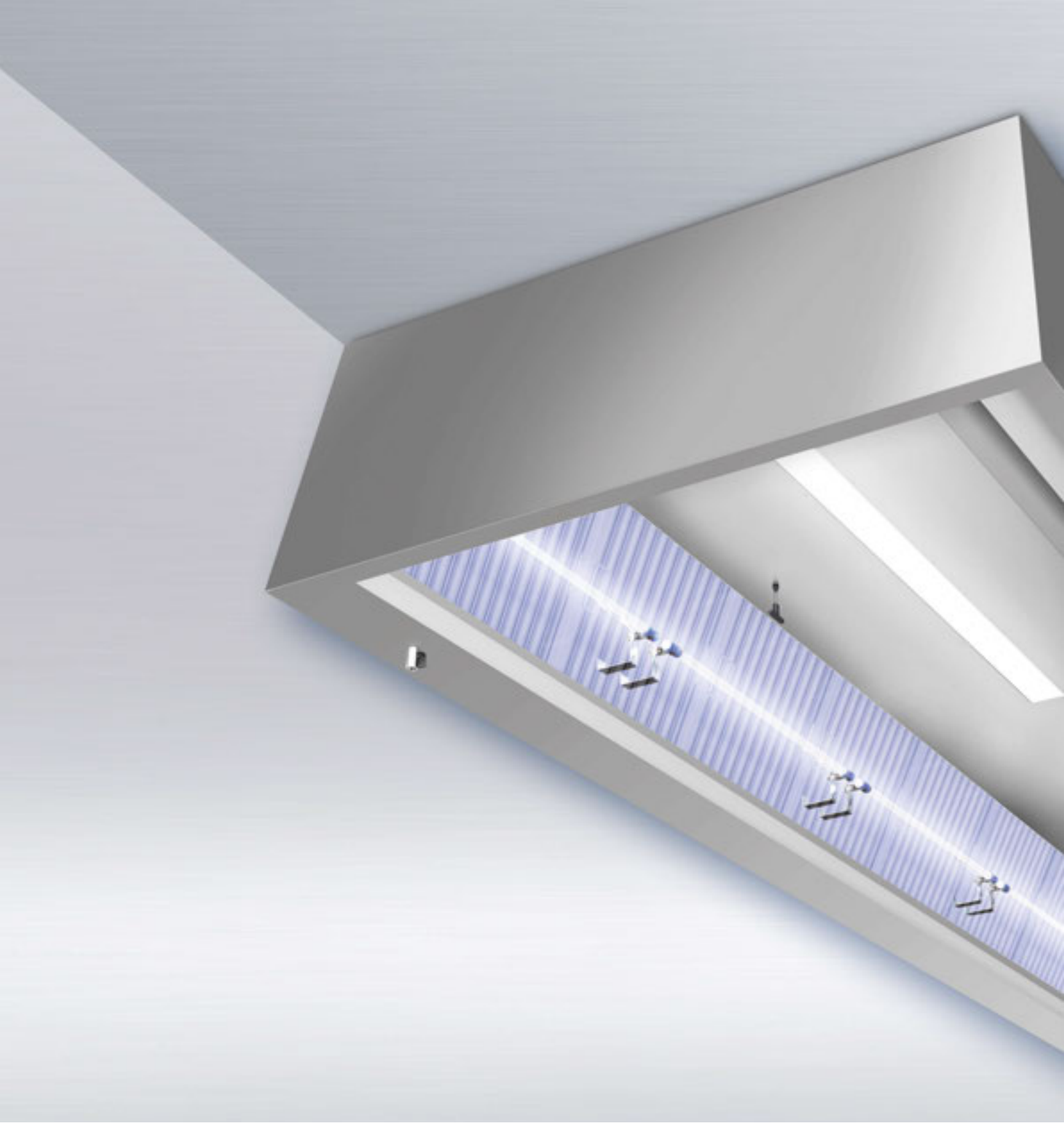
- REVEN® Software and SIEMENS® SIMATIC® control module for the interpretation of sensor signals and the control of equipment by customer such as frequency converters, fans and MSR systems.



TECHNICAL DATA – REVEN® RSC SERIES

| Type of device | Voltage [V] | Signale | | Dimensions | |
|----------------|-------------|--------------|-----------------|-------------|---------------|
| | | Humidity [V] | Temperature [V] | Height [mm] | Diameter [mm] |
| RSC-Sensor | 24 | 0 – 10 | 0 – 10 | 50 | 14 |

Note:
Please observe the information on page 32.



X-CYCLONE® UV Series

UV system for the treatment of exhaust air from capture hoods and ceiling-mounted extractors





RANGE OF APPLICATION

Elimination of organic odour pollution in the exhaust air from food production plants or from cooking appliances in commercial kitchens by means of UV radiation.



TECHNICAL HIGHLIGHTS

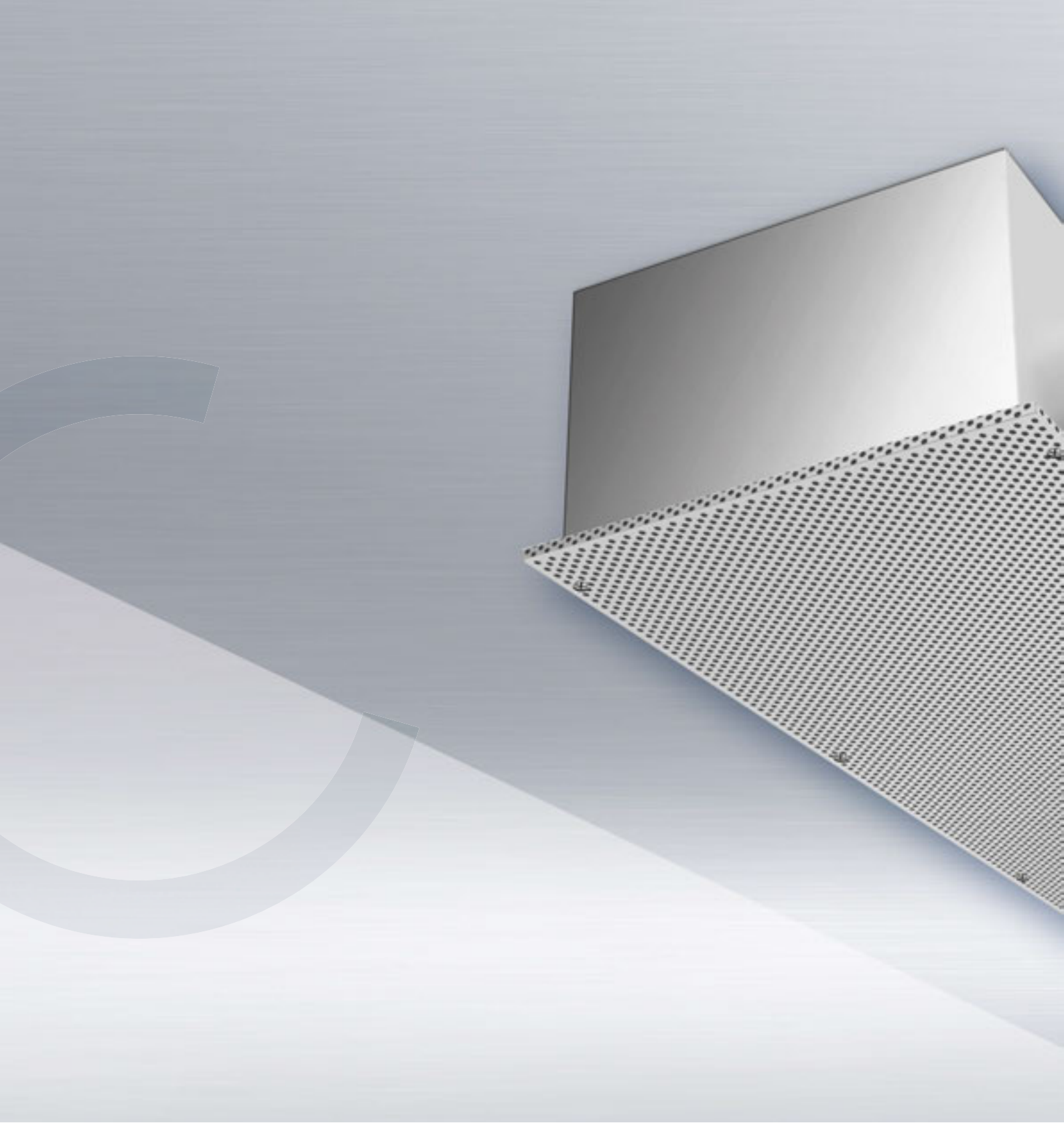
- Built-in system with mercury-free REVEN® Longlife UV tubes generating ozonic radiation at a wavelength of 185 nm. Tube material made of synthetic quartz. Special interior coating for long-lasting transparency and prevention of contamination and discolouring.
- Exhaust air treatment with UV-C and VUV radiation. UV-C radiation at a wave length of 254 nm to eliminate microorganisms (bacteria, fungi and viruses). Vacuum ultraviolet radiation (VUV) at a wavelength of 185 nm to generate ozone for the oxidation of airborne odorous matter.
- Safety and functional monitoring via electronic differential pressure control without any mechanical components. Interpretation by monitoring modules in the switch cubicle.
- Fully integrated system, installed in the manufacturer's factory when the capture and duct-mounting equipment is first assembled. No subsequent addition as practised by other manufacturers.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- Built-in components, 100 % rust-proof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Designed, constructed and produced in Germany.





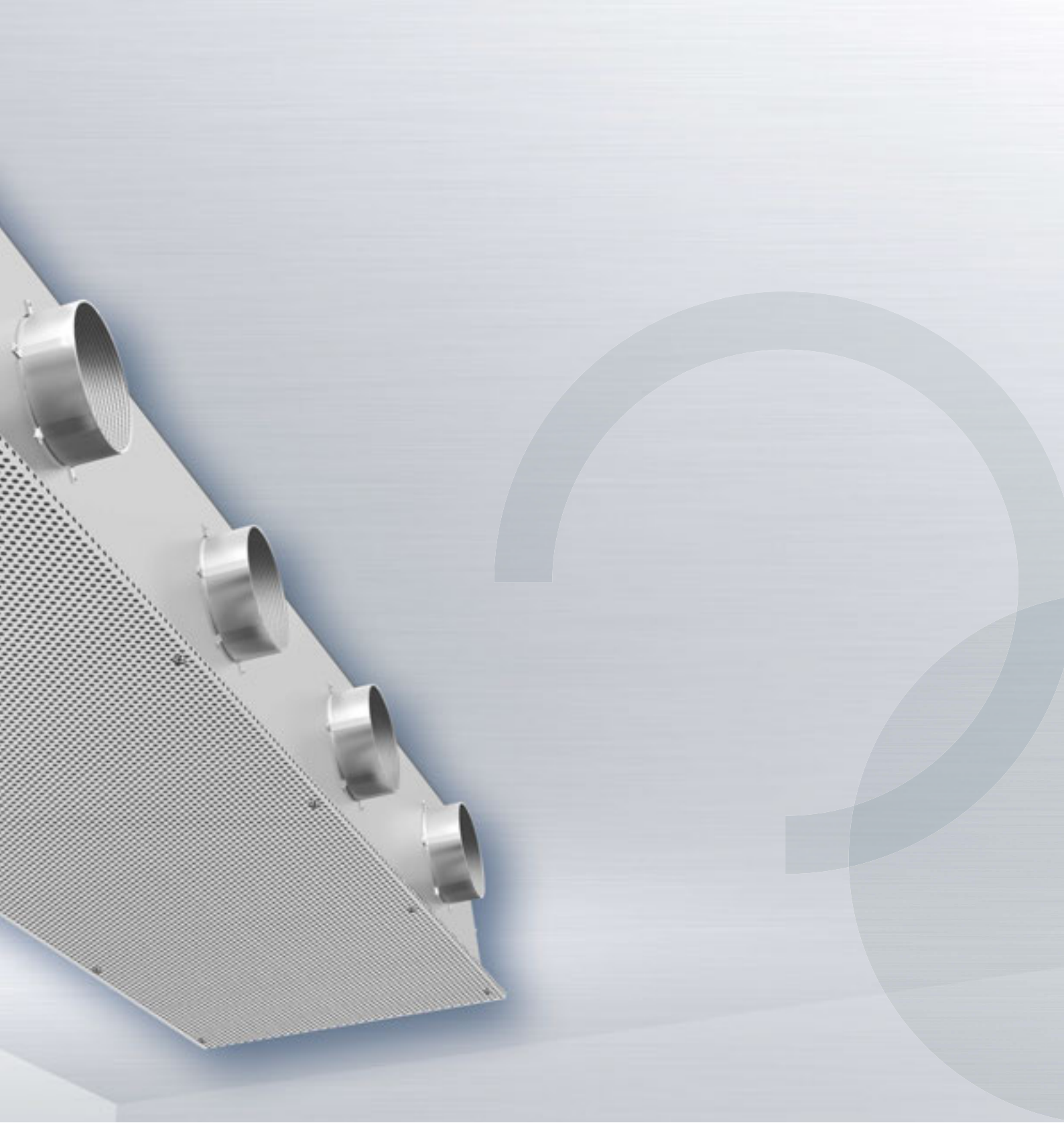
Note:

When choosing the place of installation, make sure that the air needs at least two seconds to flow from the inlet of the capture system UV to the outlet into the open.



REVEN® ECOJET Series

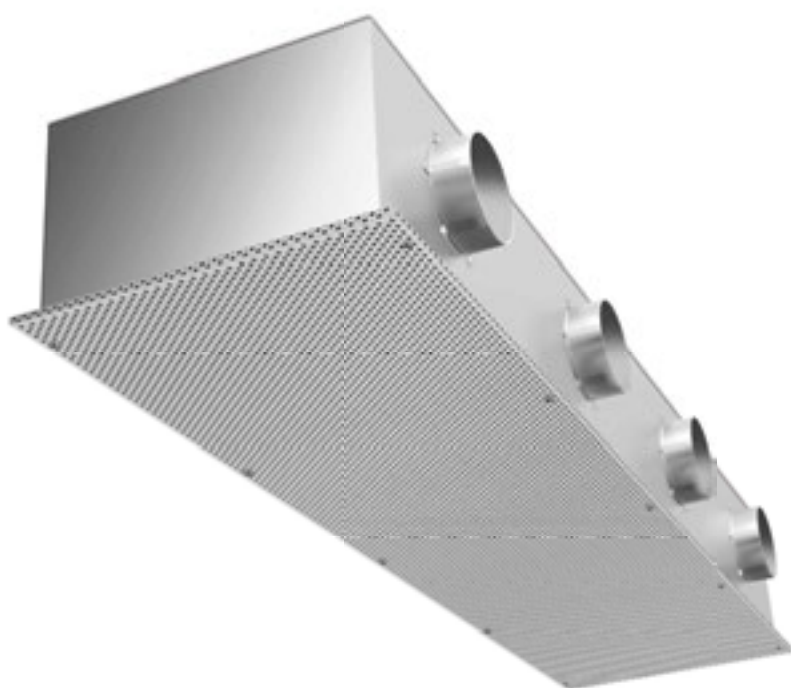
Low-velocity air outlet for the control of air management
when operating capture hoods



RANGE OF APPLICATION

Supplementary control of air management when operating capture and air-cleaning systems for food production and commercial kitchens.

Suitable for point-type integration into existing ceilings.



TECHNICAL HIGHLIGHTS

- Low-velocity supply air outlet with enclosure, lateral socket and control unit.
- Perforated metal sheets, optionally available in stainless steel or powder-coated aluminium.
- Efficiency and function proven by CFD flow analysis.
- Flow-optimised design, suitable for food production facilities and commercial kitchens. Deep penetration of fresh air down to the floor area of the kitchen or production shop.
- Minimum pressure drop in the unit.
- Very quiet even at maximum power.
- Lower perforated sheet panel removable for adjusting work.
- Lifetime guarantee on the corrosion resistance of the enclosure.
- The perforated sheet coffers and all the materials used for their production are 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Designed, constructed and produced in Germany.

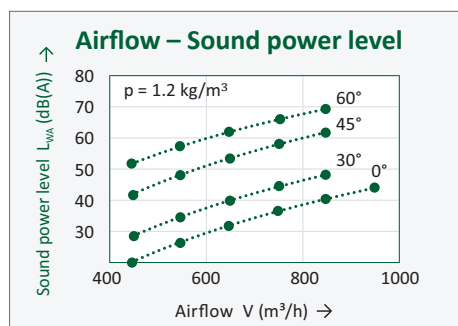
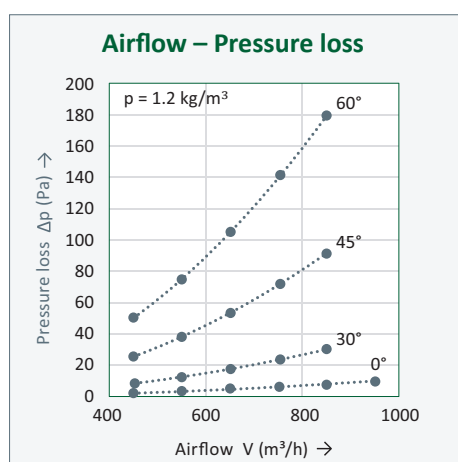
ACCESSORIES

- Custom-made angle brackets available on request for perfect connection to existing ceilings.

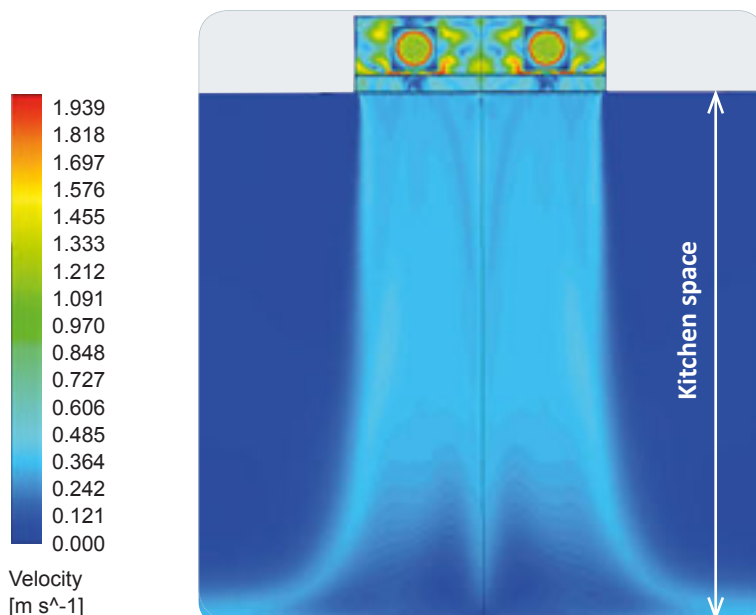


SCIENTIFIC TESTING AND OPTIMISATION WITH THE HELP OF CFD

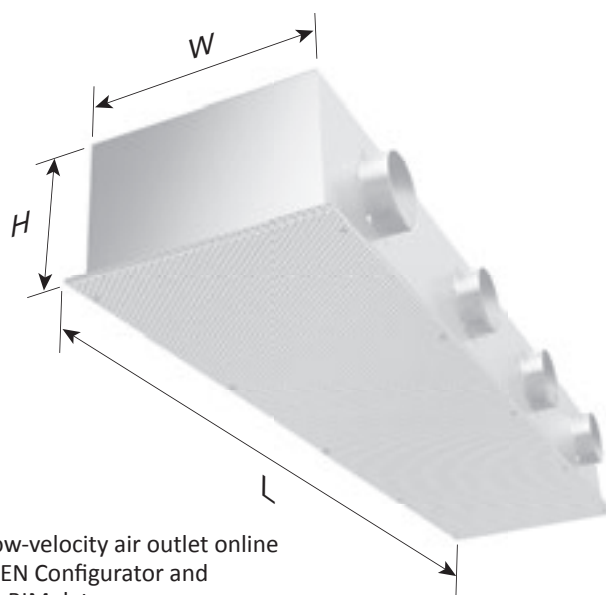
Rentschler REVEN has used CFD technology to optimise the airflow behaviour of supply air units (see figure on the right). The pressure loss in the supply air unit and the associated noise development were also tested in relation to the amount of air blown in (see figure below).



Specifications for different positions of the adjusting device (at 0°, 30°, 45° and 60°), unit (1500 x 500 mm).



Vertical cross-section of the REVEN® ECOJET, including the kitchen space below: The CFD analysis shows an optimal, almost vertical air flow from the low-velocity air outlet to the kitchen floor.



Create your low-velocity air outlet online using the REVEN Configurator and download the BIM data:

<https://bim.reven.de/#/configurator?SelectedElementID=1008>

TECHNICAL DATA – REVEN® ECOJET SERIES

| Extraction volume [m³/h] | Dimensions | | | | Weight [kg] |
|-----------------------------|----------------|---------------|----------------|---------------------------|----------------|
| | Length [mm] | Width [mm] | Height [mm] | Supply air socket [mm] | |
| 250 | 500 | 500 / 625 | 290 | 1 x Ø 150 | 7 |
| 500 | 1000 | 500 / 625 | 290 | 2 x Ø 150 | 14 |
| 750 | 1500 | 500 / 625 | 290 | 3 x Ø 150 | 21 |
| 1000 | 2000 | 500 / 625 | 290 | 4 x Ø 150 | 28 |



Ceiling Extractors

Air cleaners suitable for room-spanning installation

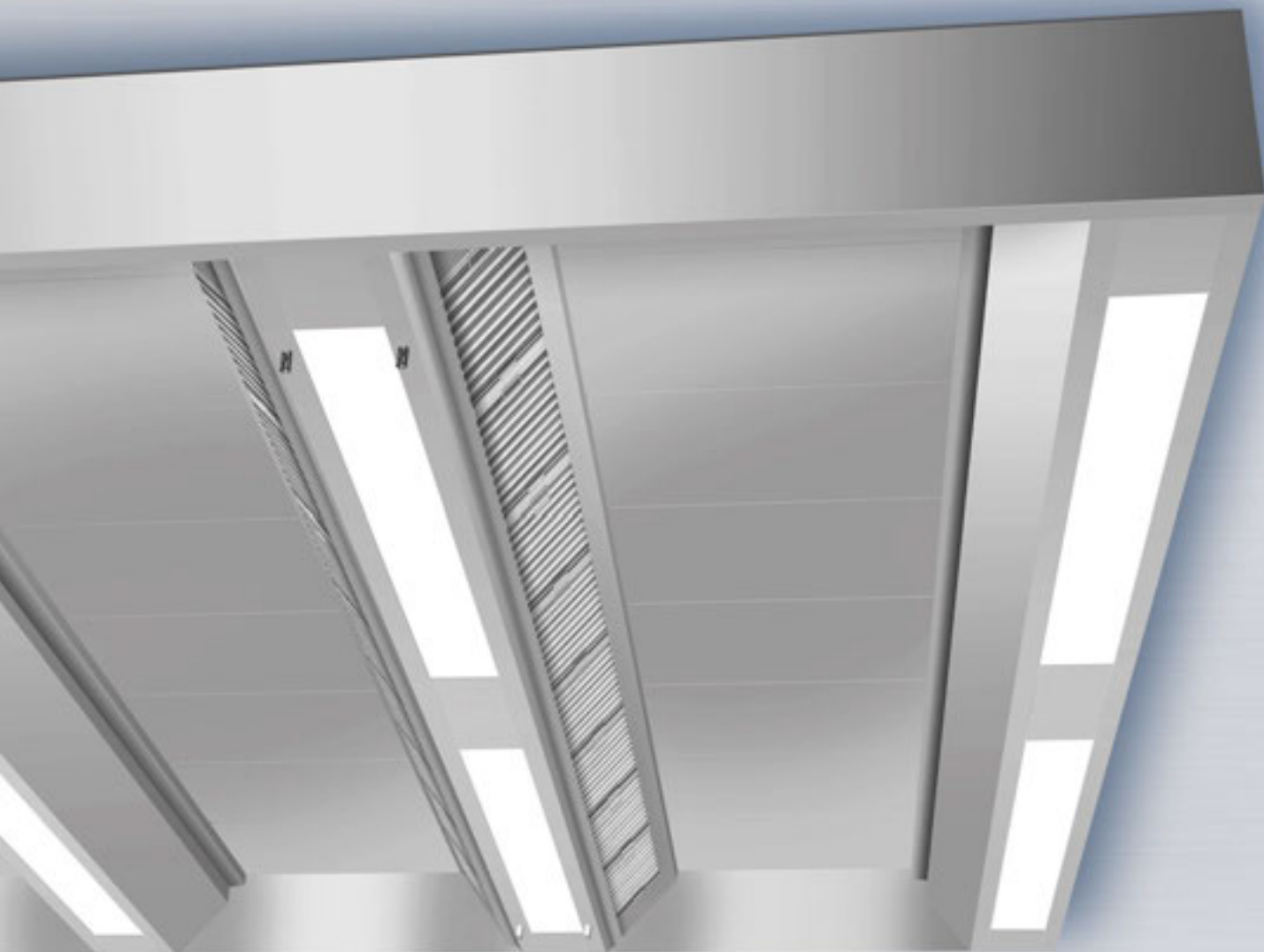




X-CYCLONE® DVN Series

Ceiling-mounted extractor with REVEN® air-induction system

Peripheral and central versions



Also available with REVEN® efficiency air-induction system!*

REVEN 
SCHAKO Group



RANGE OF APPLICATION

Room-spanning ceiling-mounted extractor modules with supply air-induction system, suitable for the capture and cleaning of exhaust air from food-production plants and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.

TECHNICAL HIGHLIGHTS

- New, internationally patented REVEN® air-induction nozzle for the efficient capture and cleaning of the exhaust air.
- Efficiency and function of the air-induction nozzle proven by CFD flow analysis.
- Integrated air-induction system preventing draughts and ensuring compliance with the maximum permissible supply flow rates.*
- More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
- State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.

* Optionally available with the improved REVEN® efficiency air-induction system – improves the capturing of the exhaust air without any supply air directly blown in.

Further information

www.reven.de (Technologies → for fume capture)

www.reven.de (Technologies → for adjustment and control)



- Lifetime guarantee on the corrosion resistance of the ceiling-mounted extractor module.

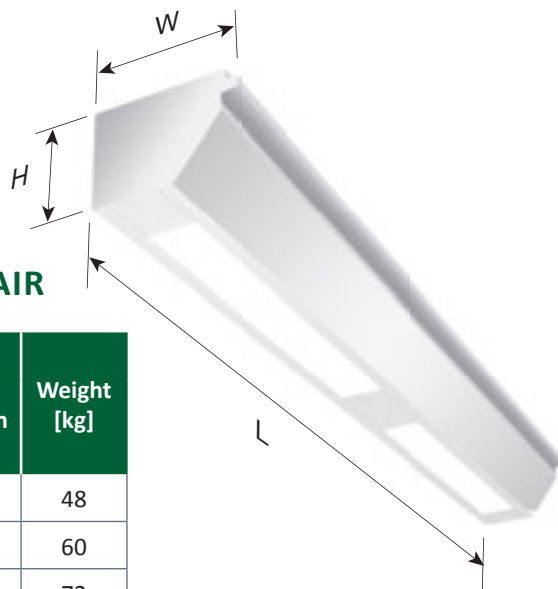
and adjustment of the exhaust air volume flow.

ACCESSORIES

- REVEN® energy-saving sensors for fully automatic monitoring, control

TECHNICAL DATA – REVEN® DVN-W SUPPLY AIR

| Extraction volume [m³/h] | Dimensions | | | | Connected load illumination [W] | Weight [kg] |
|--------------------------|-------------|------------|-------------|-------------------------|---------------------------------|-------------|
| | Length [mm] | Width [mm] | Height [mm] | Supply air dampers [mm] | | |
| 480 | 1500 | 520 | 360 | 1 x 500 x 250 | 40 | 48 |
| 640 | 2000 | 520 | 360 | 1 x 500 x 250 | 50 | 60 |
| 800 | 2500 | 520 | 360 | 1 x 500 x 250 | 50 | 72 |
| 960 | 3000 | 520 | 360 | 2 x 500 x 250 | 40 | 90 |
| 1120 | 3500 | 520 | 360 | 2 x 500 x 250 | 40 | 102 |
| 1280 | 4000 | 520 | 360 | 2 x 500 x 250 | 50 | 120 |

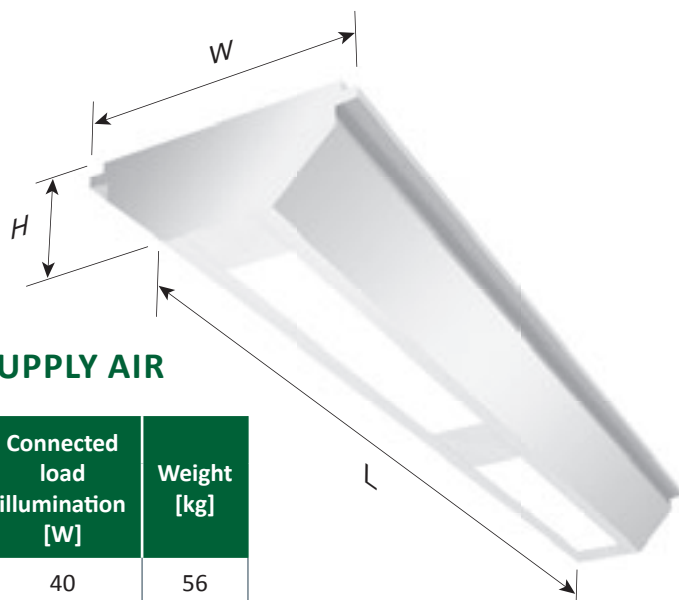


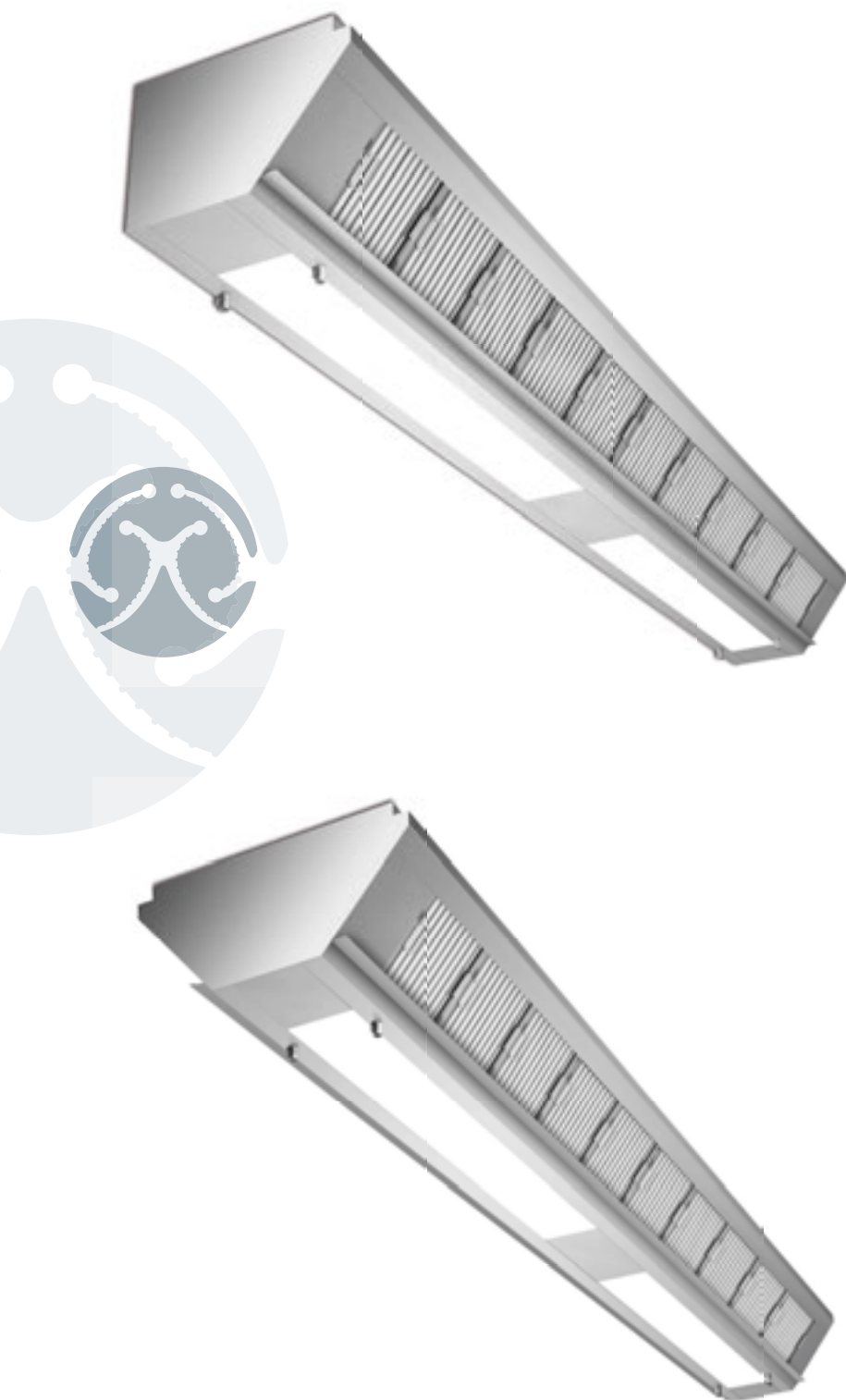
Create your ceiling-mounted extractor online using the REVEN Configurator and download the BIM data:

<https://bim.reven.de/#/configurator?SelectedElementID=1010>

TECHNICAL DATA – REVEN® DVN-M SUPPLY AIR

| Extraction volume [m³/h] | Dimensions | | | | Connected load illumination [W] | Weight [kg] |
|--------------------------|-------------|------------|-------------|-------------------------|---------------------------------|-------------|
| | Length [mm] | Width [mm] | Height [mm] | Supply air dampers [mm] | | |
| 960 | 1500 | 750 | 360 | 1 x 500 x 250 | 40 | 56 |
| 1280 | 2000 | 750 | 360 | 1 x 500 x 250 | 50 | 70 |
| 1600 | 2500 | 750 | 360 | 1 x 500 x 250 | 50 | 84 |
| 1920 | 3000 | 750 | 360 | 2 x 500 x 250 | 40 | 105 |
| 2240 | 3500 | 750 | 360 | 2 x 500 x 250 | 40 | 120 |
| 2560 | 4000 | 750 | 360 | 2 x 500 x 250 | 50 | 140 |





RANGE OF APPLICATION

Room-spanning ceiling-mounted extractor modules with exhaust air-induction system, suitable for the capture and cleaning of exhaust air from food-production plants and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.

TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Efficiency and function of the separators proven by CFD flow analysis.
- More efficient separation through condensation of the vapour molecules in the separator supported by air-induction.
- State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the ceiling-mounted extractor module.

Further information

www.reven.de (Technologies → for adjustment and control)

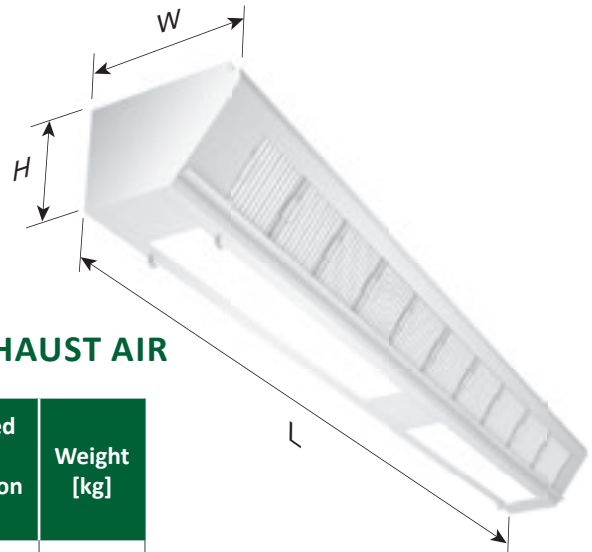


ACCESSORIES

- REVEN® energy-saving sensors for fully automatic monitoring, control

and adjustment of the exhaust air volume flow.

- REVEN® UV system for the elimination of odorous matter and microorganisms.

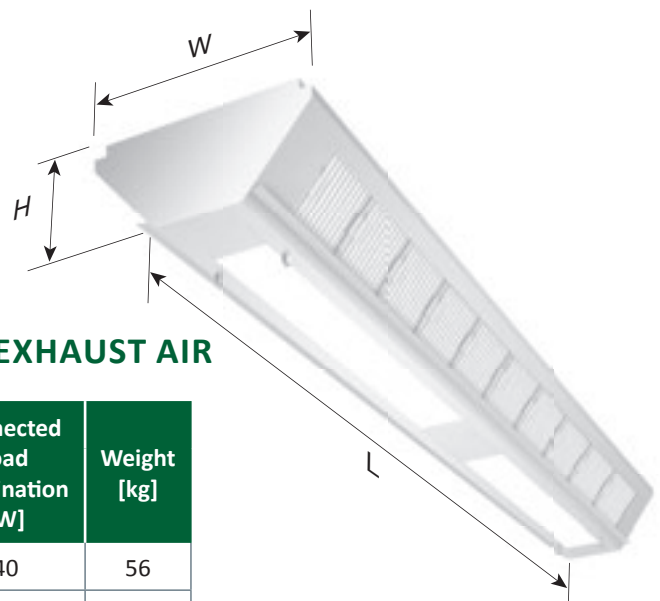


TECHNICAL DATA – X-CYCLONE® DVN-W EXHAUST AIR

| Extraction volume [m³/h] | Dimensions | | | | Connected load illumination [W] | Weight [kg] |
|--------------------------|-------------|------------|-------------|-------------------------|---------------------------------|-------------|
| | Length [mm] | Width [mm] | Height [mm] | Exhaust air socket [mm] | | |
| 960 | 1500 | 520 | 360 | 1 x 510 x 260 | 40 | 48 |
| 1280 | 2000 | 520 | 360 | 1 x 510 x 260 | 50 | 60 |
| 1600 | 2500 | 520 | 360 | 1 x 510 x 260 | 50 | 72 |
| 1920 | 3000 | 520 | 360 | 2 x 510 x 260 | 40 | 90 |
| 2240 | 3500 | 520 | 360 | 2 x 510 x 260 | 40 | 102 |
| 2560 | 4000 | 520 | 360 | 2 x 510 x 260 | 50 | 120 |

Create your ceiling-mounted extractor online using the REVEN Configurator and download the BIM data:

<https://bim.reven.de/#/configurator?SelectedElementID=1009>



TECHNICAL DATA – X-CYCLONE® DVN-M EXHAUST AIR

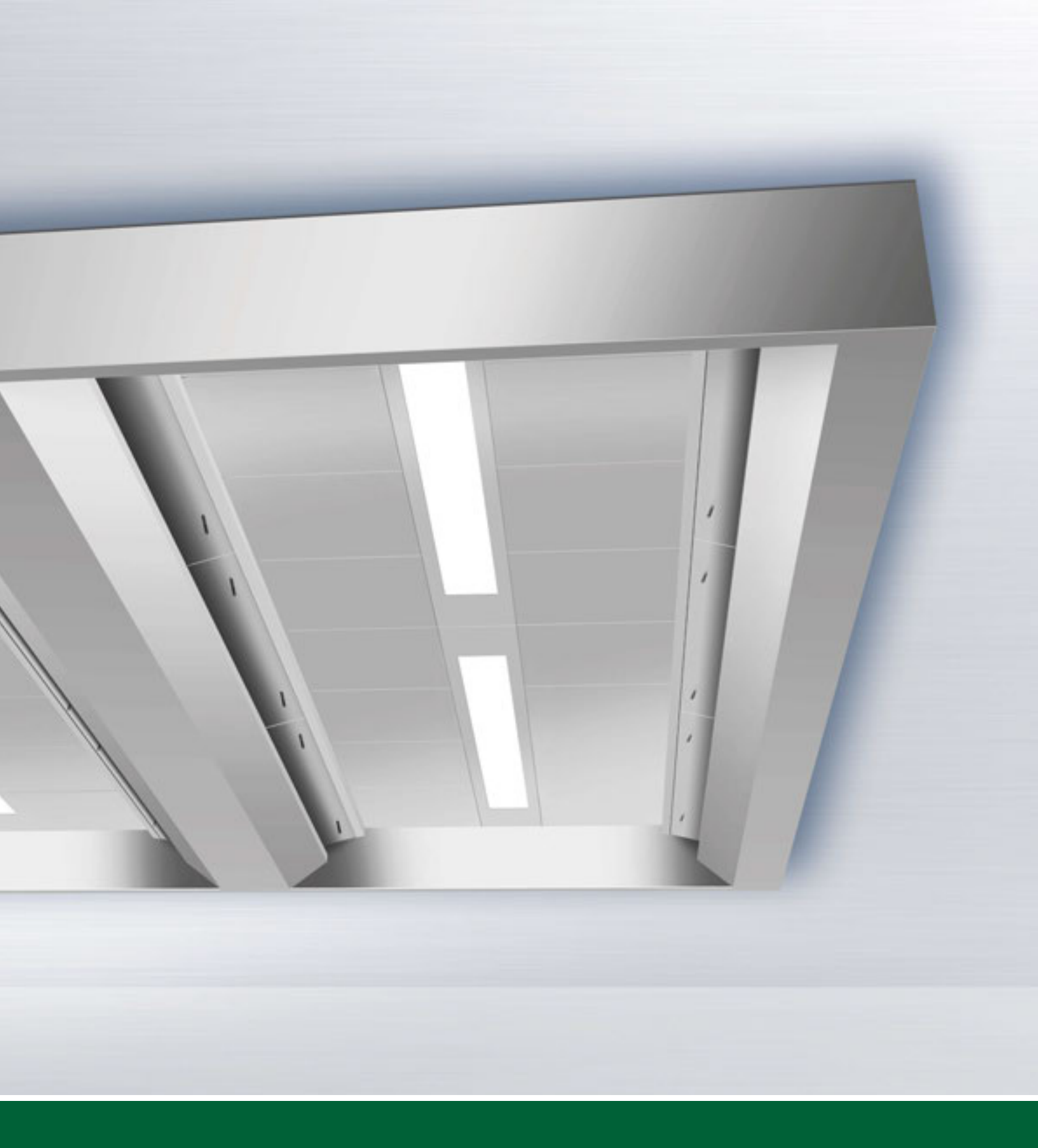
| Extraction volume [m³/h] | Dimensions | | | | Connected load illumination [W] | Weight [kg] |
|--------------------------|-------------|------------|-------------|-------------------------|---------------------------------|-------------|
| | Length [mm] | Width [mm] | Height [mm] | Exhaust air socket [mm] | | |
| 1920 | 1500 | 750 | 360 | 1 x 510 x 260 | 40 | 56 |
| 2560 | 2000 | 750 | 360 | 1 x 510 x 260 | 50 | 70 |
| 3200 | 2500 | 750 | 360 | 1 x 510 x 260 | 50 | 84 |
| 3840 | 3000 | 750 | 360 | 2 x 510 x 260 | 40 | 105 |
| 4480 | 3500 | 750 | 360 | 2 x 510 x 260 | 40 | 120 |
| 5120 | 4000 | 750 | 360 | 2 x 510 x 260 | 50 | 140 |



X-CYCLONE® DR Series

Ceiling-mounted extractor with REVEX® spraying system

Peripheral and central versions





RANGE OF APPLICATION

Room-spanning REVEX® ceiling-mounted extractor modules, suitable for the capture and cleaning of exhaust air from food-production plants and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.

TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Integrated, patented REVEX® spraying system for fully automatic cleaning and disinfection of the aerosol separators on both sides.
- Efficiency and function of the separators proven by CFD flow analysis.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the ceiling-mounted extractor module.

ACCESSORIES

- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.

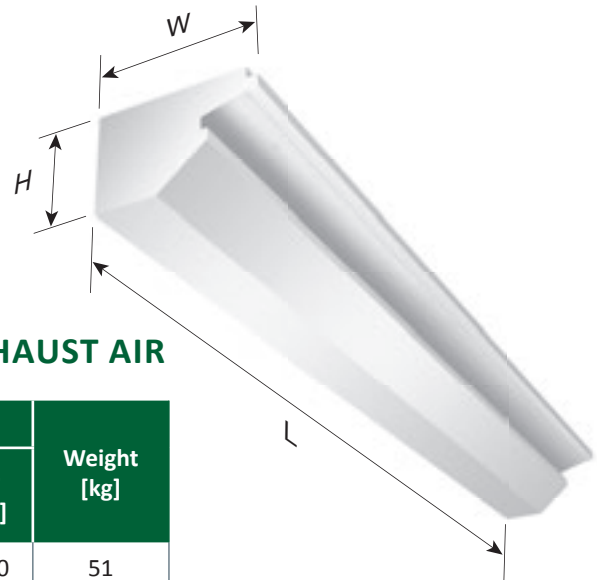
Further information

www.reven.de (Technologies → for adjustment and control)

www.reven.de (Technologies → for cleaning and disinfection)

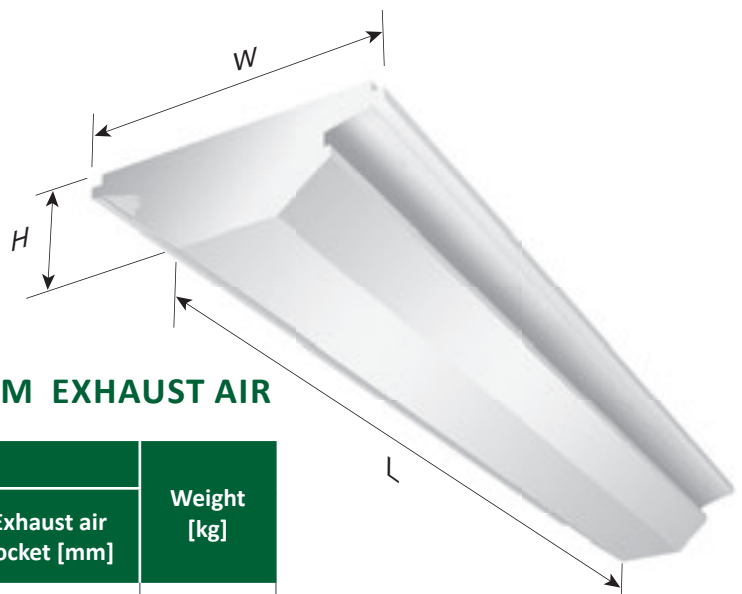


- REVEN® UV system for the elimination of odorous matter and micro-organisms.



TECHNICAL DATA – X-CYCLONE® DR-W EXHAUST AIR

| Extraction volume [m³/h] | Dimensions | | | | Weight [kg] |
|-----------------------------|----------------|---------------|----------------|----------------------------|----------------|
| | Length [mm] | Width [mm] | Height [mm] | Exhaust air socket [mm] | |
| 960 | 1500 | 570 | 360 | 1 x 510 x 260 | 51 |
| 1280 | 2000 | 570 | 360 | 2 x 510 x 260 | 64 |
| 1600 | 2500 | 570 | 360 | 2 x 510 x 260 | 77 |
| 1920 | 3000 | 570 | 360 | 2 x 510 x 260 | 96 |
| 2240 | 3500 | 570 | 360 | 2 x 510 x 260 | 109 |
| 2560 | 4000 | 570 | 360 | 3 x 510 x 260 | 128 |



TECHNICAL DATA – X-CYCLONE® DR-M EXHAUST AIR

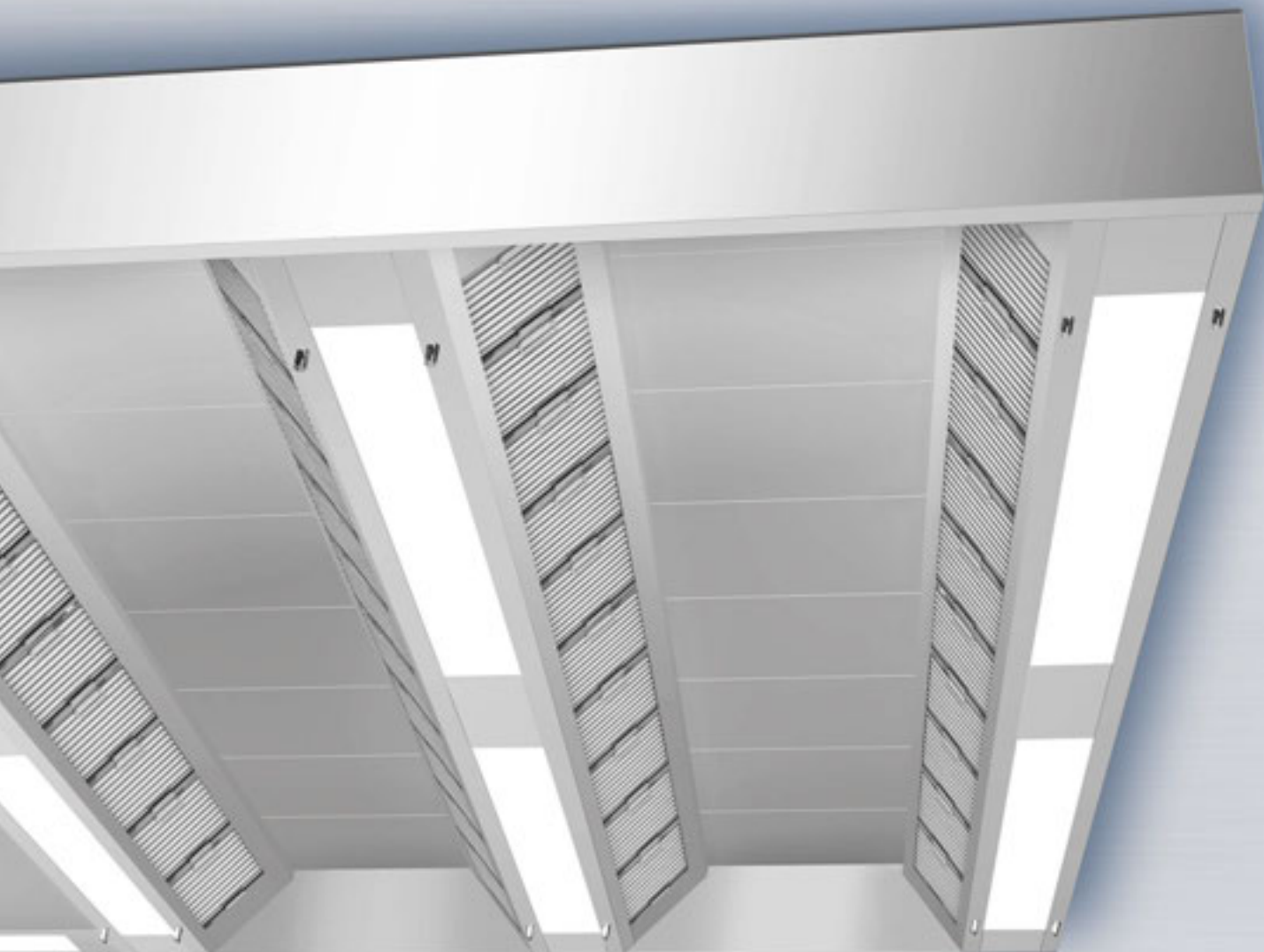
| Extraction volume [m³/h] | Dimensions | | | | Weight [kg] |
|-----------------------------|----------------|---------------|----------------|----------------------------|----------------|
| | Length [mm] | Width [mm] | Height [mm] | Exhaust air socket [mm] | |
| 1920 | 1500 | 1044 | 360 | 1 x 510 x 260 | 63 |
| 2560 | 2000 | 1044 | 360 | 2 x 510 x 260 | 78 |
| 3200 | 2500 | 1044 | 360 | 2 x 510 x 260 | 94 |
| 3840 | 3000 | 1044 | 360 | 2 x 510 x 260 | 117 |
| 4480 | 3500 | 1044 | 360 | 2 x 510 x 260 | 133 |
| 5120 | 4000 | 1044 | 360 | 3 x 510 x 260 | 150 |

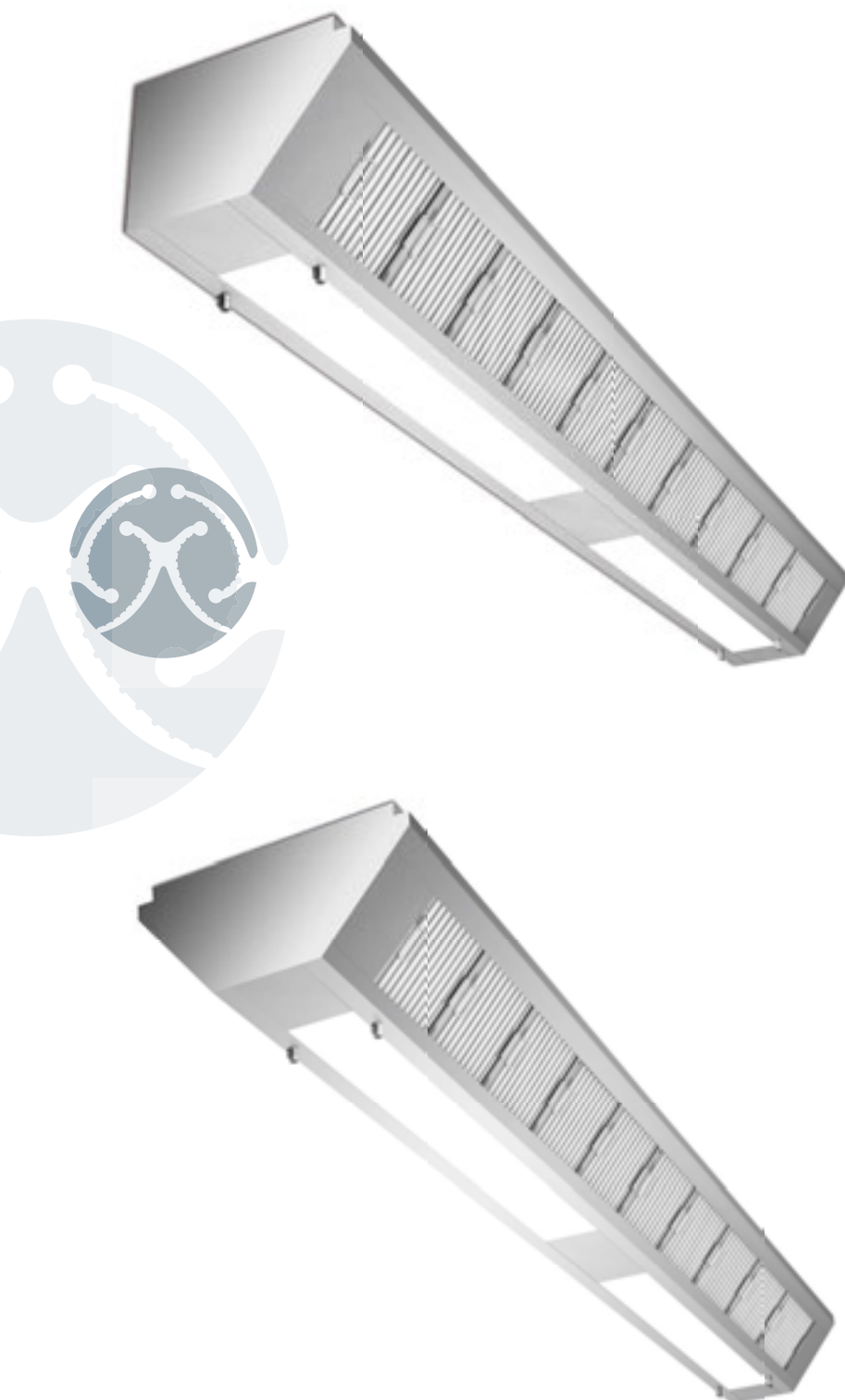


X-CYCLONE® DLD Series

Ceiling-mounted extractor with X-CYCLONE® air-cleaning system

Peripheral and central versions





RANGE OF APPLICATION

Room-spanning ceiling-mounted extractor modules, suitable for the capture and cleaning of exhaust air from food-production plants and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.

TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Efficiency and function of the separators proven by CFD flow analysis.
- State-of-the-art integrated LED fixture with dimmer, reduction of the energy consumption by up to 50 % in comparison to conventional T5 and T8 fixtures.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the ceiling-mounted extractor module.

ACCESSORIES

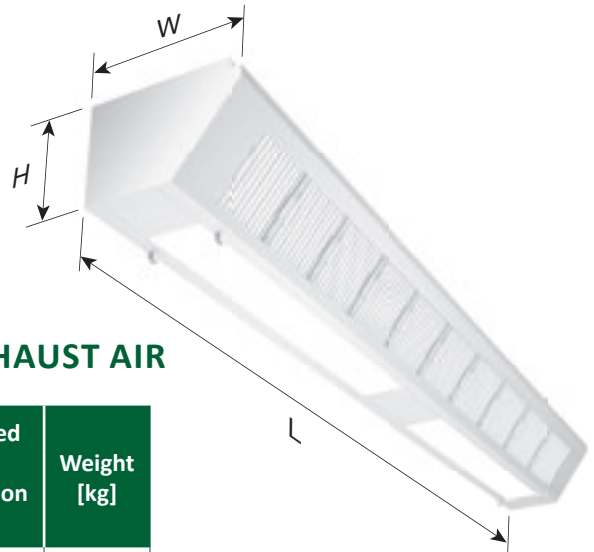
- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.

Further information

www.reven.de (Technologies → for adjustment and control)



- REVEN® UV system for the elimination of odorous matter and micro-organisms.

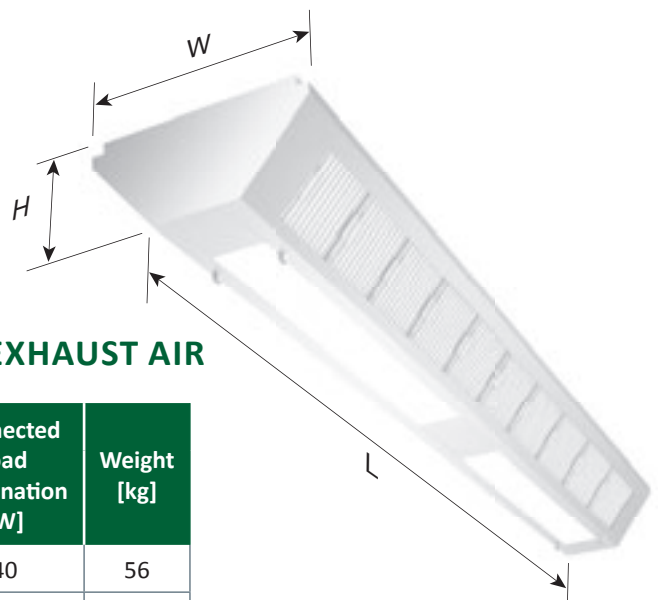


TECHNICAL DATA – X-CYCLONE® DLD-W EXHAUST AIR

| Extraction volume [m³/h] | Dimensions | | | | Connected load illumination [W] | Weight [kg] |
|--------------------------|-------------|------------|-------------|-------------------------|---------------------------------|-------------|
| | Length [mm] | Width [mm] | Height [mm] | Exhaust air socket [mm] | | |
| 960 | 1500 | 520 | 360 | 1 x 510 x 260 | 40 | 42 |
| 1280 | 2000 | 520 | 360 | 1 x 510 x 260 | 50 | 60 |
| 1600 | 2500 | 520 | 360 | 1 x 510 x 260 | 50 | 78 |
| 1920 | 3000 | 520 | 360 | 2 x 510 x 260 | 40 | 90 |
| 2240 | 3500 | 520 | 360 | 2 x 510 x 260 | 40 | 102 |
| 2560 | 4000 | 520 | 360 | 2 x 510 x 260 | 50 | 120 |

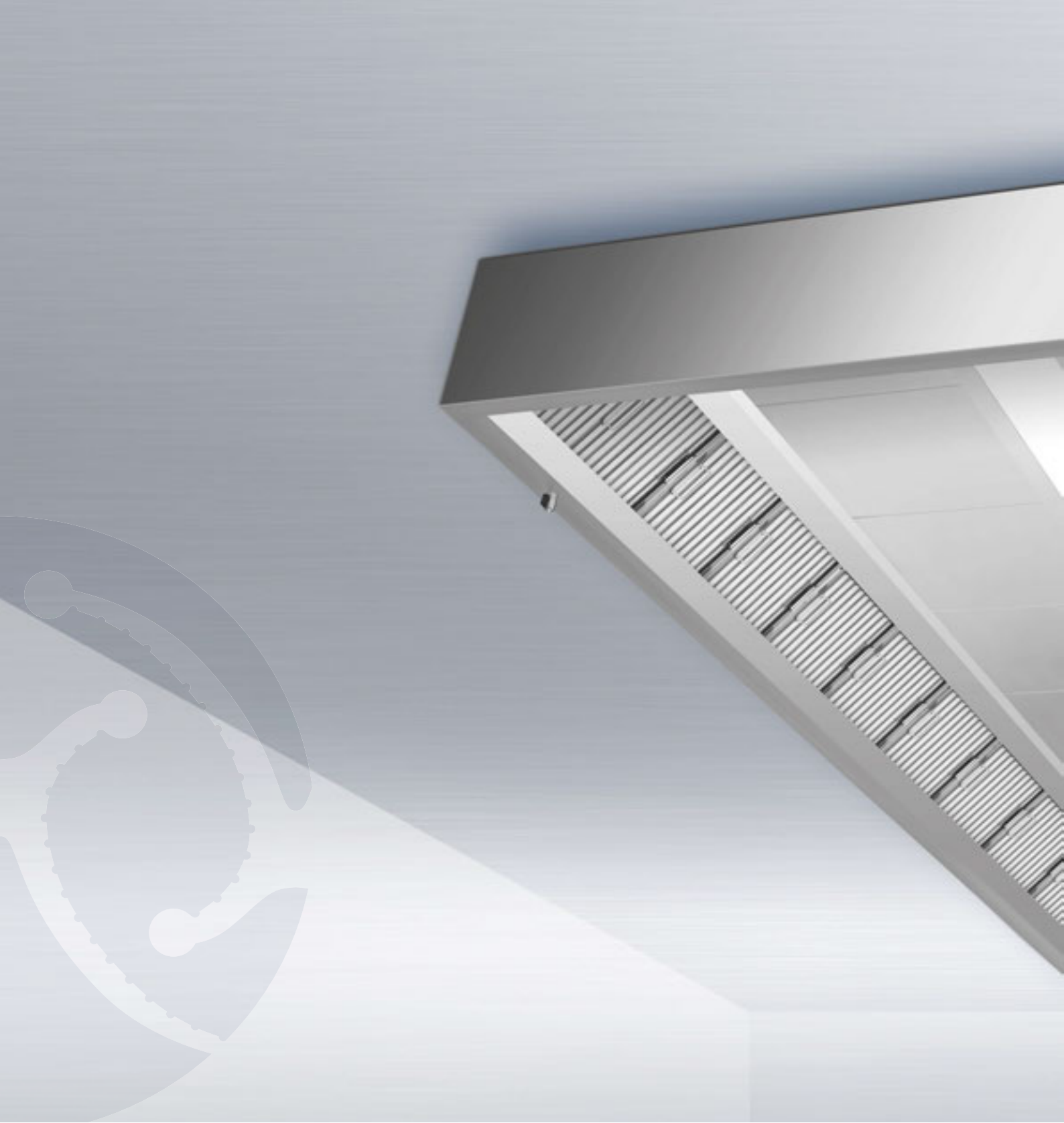
Create your ceiling-mounted extractor online using the REVEN Configurator and download the BIM data:

<https://bim.reven.de/#/configurator?SelectedElementID=1011>



TECHNICAL DATA – X-CYCLONE® DLD-M EXHAUST AIR

| Extraction volume [m³/h] | Dimensions | | | | Connected load illumination [W] | Weight [kg] |
|--------------------------|-------------|------------|-------------|-------------------------|---------------------------------|-------------|
| | Length [mm] | Width [mm] | Height [mm] | Exhaust air socket [mm] | | |
| 1920 | 1500 | 750 | 360 | 1 x 510 x 260 | 40 | 56 |
| 2560 | 2000 | 750 | 360 | 1 x 510 x 260 | 50 | 70 |
| 3200 | 2500 | 750 | 360 | 1 x 510 x 260 | 50 | 84 |
| 3840 | 3000 | 750 | 360 | 2 x 510 x 260 | 40 | 105 |
| 4480 | 3500 | 750 | 360 | 2 x 510 x 260 | 40 | 120 |
| 5120 | 4000 | 750 | 360 | 2 x 510 x 260 | 50 | 140 |



X-CYCLONE® DGH Series

Ceiling-mounted extractor with X-CYCLONE® air-cleaning system
without illumination

Peripheral version





RANGE OF APPLICATION

Compact ceiling-mounted extractor module, suitable for the capture and cleaning of exhaust air from food-production plants and from cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as spray mist or cooking fumes.

TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Efficiency and function of the separators proven by CFD flow analysis.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the ceiling-mounted extractor.

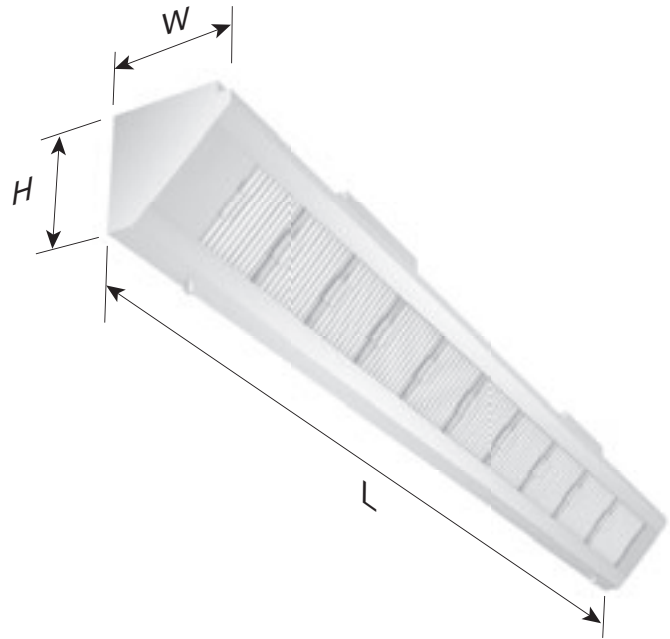
ACCESSORIES

- REVEN® energy-saving sensors for fully automatic monitoring, control and adjustment of the exhaust air volume flow.
- REVEN® UV system for the elimination of odorous matter and micro-organisms.

Further information

www.reven.de (Technologies → for adjustment and control)





TECHNICAL DATA – X-CYCLONE® DGH-W EXHAUST AIR

| Extraction volume [m³/h] | Dimensions | | | | Weight [kg] |
|-----------------------------|----------------|---------------|----------------|----------------------------|----------------|
| | Length [mm] | Width [mm] | Height [mm] | Exhaust air socket [mm] | |
| 960 | 1500 | 360 | 360 | 1 x 510 x 260 | 24 |
| 1280 | 2000 | 360 | 360 | 1 x 510 x 260 | 30 |
| 1600 | 2500 | 360 | 360 | 1 x 510 x 260 | 39 |
| 1920 | 3000 | 360 | 360 | 2 x 510 x 260 | 44 |
| 2240 | 3500 | 360 | 360 | 2 x 510 x 260 | 53 |
| 2560 | 4000 | 360 | 360 | 2 x 510 x 260 | 60 |

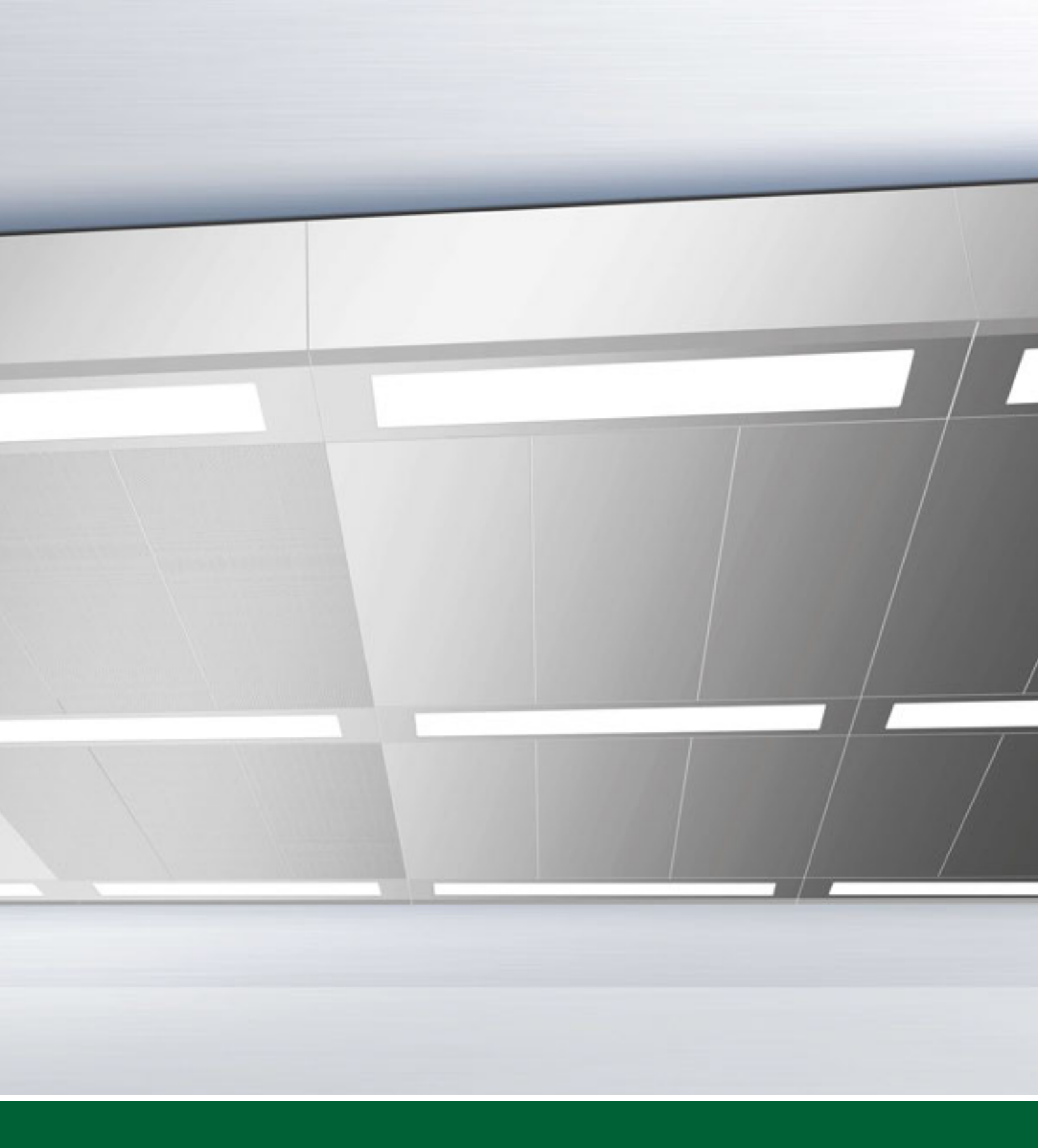
Create your ceiling-mounted extractor online using the REVEN Configurator and download the BIM data:

<https://bim.reven.de/#/configurator?SelectedElementID=1012>



REVEN[®] DFD and DSD Series

Flame-arresting and sound-absorbing coffered ceiling



RANGE OF APPLICATION

Flame-arresting and waterproof coffer system for the protection of the building structure and the room-wide capturing of exhaust air from food-production plants and from cooking appliances in commercial kitchens.

TECHNICAL HIGHLIGHTS

- Flame-arresting coffered ceiling.
- Easy removal of the coffers without any tools.
- Circumferential wall junction profile.
- The ceiling coffers and all materials used for their production are 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Optionally available in aluminium.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the corrosion resistance of the ceiling coffers.

Create your coffer system online using the REVEN Configurator and download the BIM data:
<https://bim.reven.de/#/configurator?SelectedElementID=1013>



RANGE OF APPLICATION

Sound-absorbing and splash-water proof coffer system for the protection of the building structure and the room-wide capturing of exhaust air from food-production plants and cooking appliances in commercial kitchens.



TECHNICAL HIGHLIGHTS

- Sound-absorbing coffered ceiling with noise abatement certified by accredited institute.
- Integrated sound-absorbing mats with waterproof and vapour-tight film sleeve, film thickness below 50 microns to increase sound permeability.
- Sound-absorbing panels satisfy the requirements of fire-protection class A thanks to special mineral wool.
- Easy removal of the coffers without any tools.
- Circumferential wall junction profile.
- The ceiling coffers and all materials used for their production are 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Optionally available in aluminium.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the corrosion resistance of the ceiling coffers.

Create your coffer system online using the REVEN Configurator and download the BIM data:

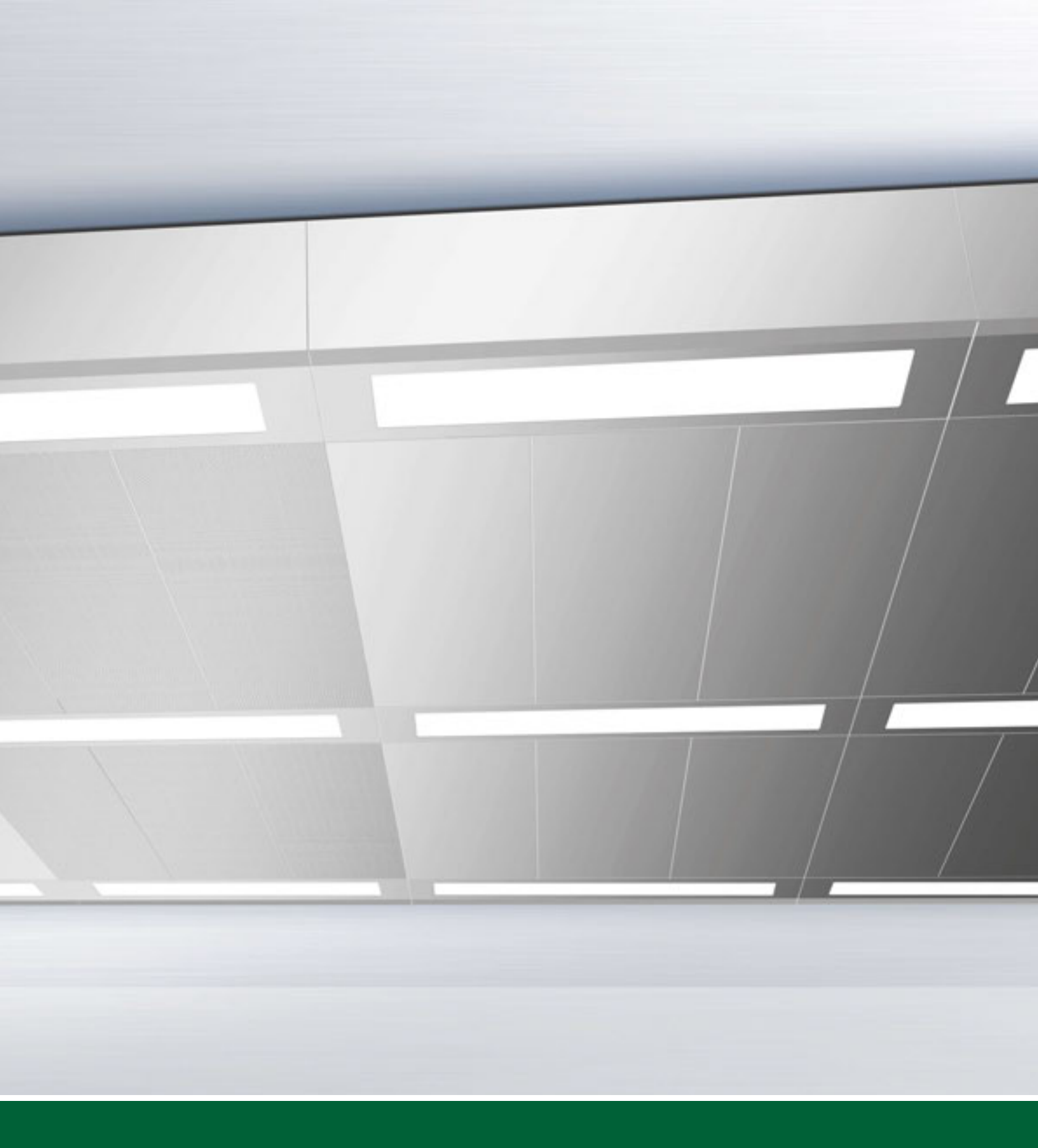
<https://bim.reven.de/#/configurator?SelectedElementID=1013>





X-CYCLONE® DAK and REVEN® DQA Series

Exhaust air box filter and low-velocity supply air outlet





RANGE OF APPLICATION

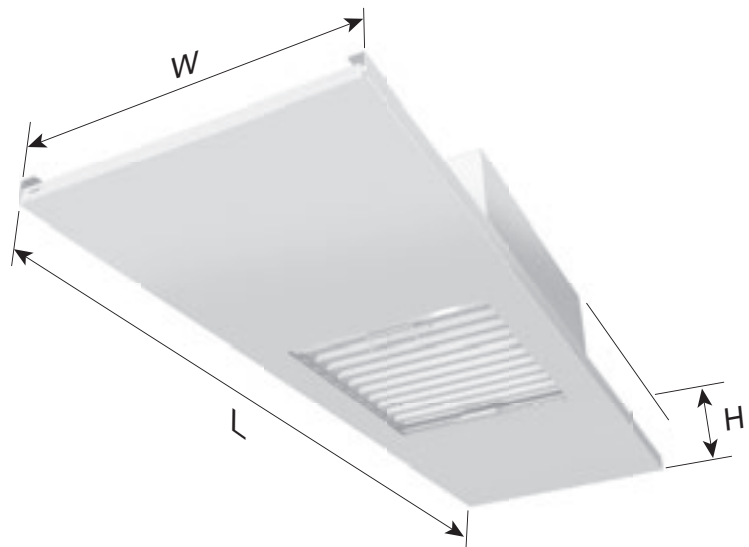
Exhaust air box filter for additional capturing and cleaning of exhaust air from food-production plants and from cooking appliances in commercial kitchens. Suitable for operation in combination with REVEN® ceiling extractors.

Capture and cleaning of steam and hot air with low intensity.

TECHNICAL HIGHLIGHTS

- Exhaust air box filter with integrated high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Efficiency and function of the box filter separators proven by CFD flow analysis.
- Sustainable air-cleaning concept thanks to efficient separators and scientifically sound technologies.
- The box filter and all materials used for its production are 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the corrosion resistance of the enclosure.





TECHNICAL DATA – X-CYCLONE® DAK SERIES

| Extraction volume [m³/h] | Dimensions | | | | Weight [kg] |
|-----------------------------|----------------|---------------|----------------|----------------------------|----------------|
| | Length [mm] | Width [mm] | Height [mm] | Exhaust air socket [mm] | |
| 500 | 500 | 500 | 290 | 1 x Ø 200 | 13 |
| 1000 | 1000 | 500 | 290 | 2 x Ø 200 | 16 |
| 1500 | 1500 | 500 | 290 | 3 x Ø 200 | 19 |
| 2000 | 2000 | 500 | 290 | 4 x Ø 200 | 21 |

Create your exhaust air box filter online using the REVEN Configurator and download the BIM data:

<https://bim.reven.de/#/configurator?SelectedElementID=1014>



RANGE OF APPLICATION

Low-velocity supply air outlet to support air management in food production facilities and commercial kitchens. Suitable for operation in combination with REVEN® ceiling extractors.

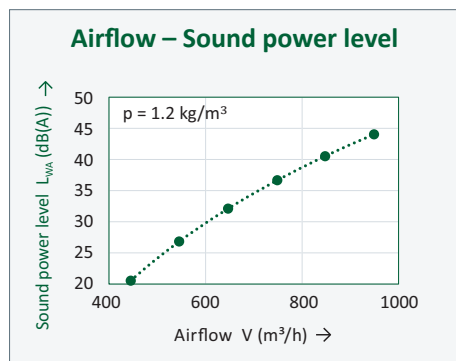
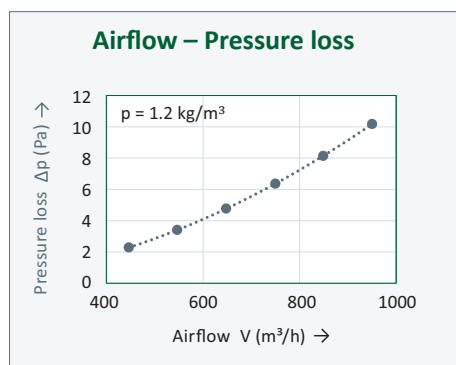
TECHNICAL HIGHLIGHTS

- Box-type enclosure with integrated flow rectifier for a fresh air supply that is free of draughts.
- Perforated metal sheets, optionally available in stainless steel or powder-coated aluminium.
- Efficiency and function proven by CFD flow analysis.
- Flow-optimised design, suitable for food production facilities and commercial kitchens. Deep penetration of fresh air down to the floor area of the kitchen or production shop.
- Minimum pressure loss in the unit.
- Whisper quiet even at maximum power.
- The perforated sheet coffers and all materials used for their production are 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the corrosion resistance of the enclosure.

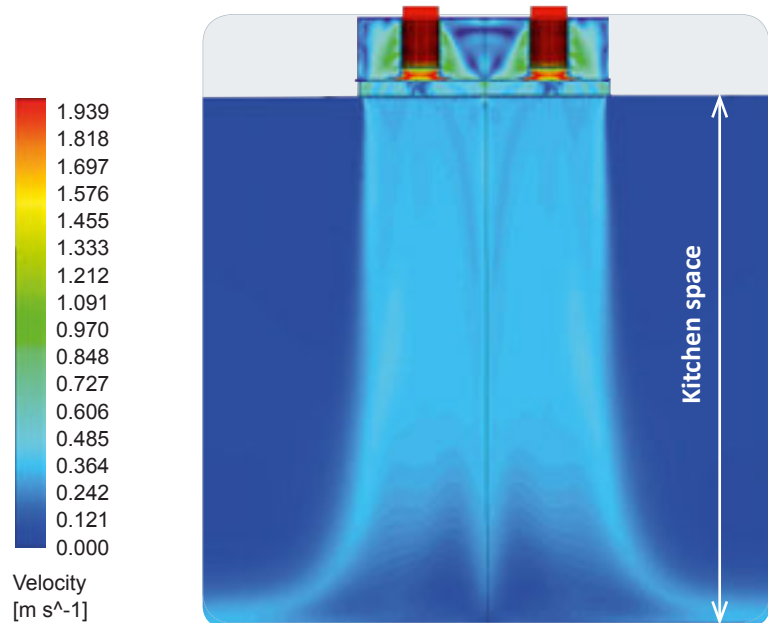


SCIENTIFIC TESTING AND OPTIMISATION WITH THE HELP OF CFD

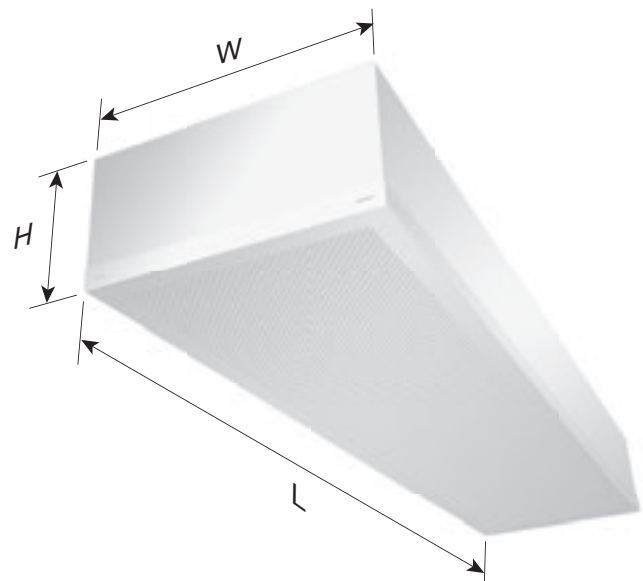
Rentschler REVEN has used CFD technology to optimise the airflow behaviour of supply air units (see figure on the right). The pressure loss in the supply air unit and the associated noise development were also tested in relation to the amount of air blown in (see figure below).



Pressure loss and noise level development with increasing flow rate, unit (1500 x 500 mm).



Vertical cross-section of the REVEN® ECOJET, including the kitchen space below: The CFD analysis shows an optimal, almost vertical air flow from the low-velocity air outlet to the kitchen floor.

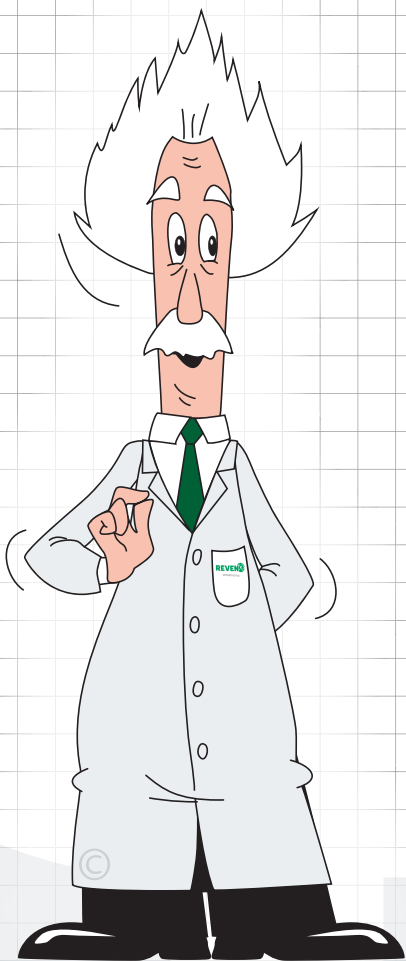


TECHNICAL DATA – REVEN® DQA SERIES

| Extraction volume [m³/h] | Dimensions | | | | Weight [kg] |
|-----------------------------|----------------|---------------|----------------|-----------------------------|----------------|
| | Length [mm] | Width [mm] | Height [mm] | Connecting diameter [mm] | |
| 250 | 500 | 500 | 250 | 1 x 150 | 7 |
| 500 | 1000 | 500 | 250 | 2 x 150 | 14 |
| 750 | 1500 | 500 | 250 | 3 x 150 | 21 |
| 1000 | 2000 | 500 | 250 | 4 x 150 | 28 |

Create your low-velocity supply air outlet online using the REVEN Configurator and download the BIM data:

<https://bim.reven.de/#/configurator?SelectedElementID=1015>





Luftreiniger für die verarbeitende Industrie und Lebensmittelindustrie



Air cleaners for mechanical processing and the food industry



Purificadores de ar para a indústria transformadora e indústria alimentar



空气净化器用于工业加工及食品工业



Purificadores de aire para las industrias transformadora y alimentaria



Epureurs d'air pour l'industrie de transformation et l'industrie alimentaire



Depuratori d'aria per l'industria manifatturiera e l'industria alimentare



加工工業および食品工業用のエアクリナー



Luchtreinigers voor de verwerkende industrie en voedingsmiddelenindustrie



Воздухоочистители для обрабатывающей и пищевой промышленности



Filtre de aer pentru producția mecanică și industria alimentară



Légtisztítók a feldolgozóipar és az élelmiszeripar számára

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