
INNOVATION & QUALITY IN EVERY DETAIL

PRODUCTS FOR
WATER DAMAGE,
MOISTURE, ODOURS
AND RADON



Corroventa®

"Since its inception in 1985, Corroventa has strived to make machines that dehumidify as quickly and as efficiently as possible. With new market demands, we do our utmost to continue being number one. Innovation is one of our cornerstones, and the new ES series is proof of this."



ES is our most intelligent, flexible, compact and energy-efficient product line. At the same time, it is more powerful than any of our previous product series. ES stands for Energy Saving, and energy efficiency has been our primary objective throughout the product development process. Not just in terms of operation, but every aspect, from logistics to user interaction.



PRODUCTS AND SOLUTIONS FOR MANAGING WATER DAMAGE, MOISTURE, ODOURS AND RADON



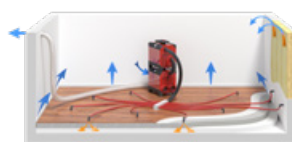
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OUR HEAD OFFICE IN SWEDEN CARRIES OUT DEVELOPMENT, PRODUCTION AND TRAINING. Proximity and contacts between the departments ensure realistic product development and high quality production.

INNOVATION AND QUALITY IN EVERY DETAIL

Corroventa combines the force of innovation with more than 35 years of experience within the field of water damage restoration. Ideas are born out of reality with our installers, often where accidents have occurred.

Our customers have always been the starting point of our product development. Finding clever and efficient solutions that make our customers' working days more efficient is a driving force for us.

QUALITY AND DURABILITY

Our products must complete a drying task as quickly and energy-efficiently as possible.

In addition, the products must be compact and quiet. The aim is to achieve the best drying results and overall economy, as well as minimum environmental impact.

High quality is a hallmark of Corroventa's products and we do not compromise on that.

Our products must work reliably, effectively and energy efficiently for many years. They have a robust design that can withstand rough handling in tough environments.

In order to ensure the highest quality possible, we develop and manufacture our machines ourselves at our factory in Bankeryd, Sweden. The machines are inspected and quality assured at every stage of the production process. This creates the high level of quality that is a hallmark of Corroventa's products.



THE ES FAMILY TOGETHER WITH SUPERVISION® is a revolutionary solution for drying results, the environment and overall economy. All machines in the series are compatible with SuperVision®, and together they create a system that is unique on the market. SuperVision® is used to control and monitor the drying process via computer, mobile phone or tablet.

The ES family is our most intelligent, flexible, compact and energy-efficient product line. At the same time, it is more powerful than any of our previous product series. Innovation and quality in every detail."



HIGH-PERFORMANCE SOLUTIONS BASED ON INNOVATION AND DRY FACTS

Corroventa's business concept is built on knowledge of the characteristics of moisture and what is the most efficient manner to remove moisture in different contexts. For over 35 years, we have immersed ourselves in this using scientific methodology and with a passionate interest. The hunt for good solutions that work in real situations has resulted in a number of patented technologies and products.

Our focused research and development has resulted in unique innovative functions and features that have contributed to our range being among the industry leaders. In addition, our products are always compact, effective, ergonomic and energy-efficient.

With us you can also take advantage of our expertise via our support and the training that we offer to customers and partners.

COMPREHENSIVE AND EXTENSIVE RENTAL PARK

We offer various collaboration arrangements for our partners, from short-term rental to leasing and purchase.

Our pool system and one of Europe's largest rental parks are other parts of the service offer that we believe you will appreciate.

RELIABLE CONSTRUCTION DEHUMIDIFICATION GIVES A SHORTER CONSTRUCTION TIME AND FASTER OCCUPANCY.

We have been one of the market leading experts in the dehumidification of water damage and healthy living conditions for a long time. Our expertise lies behind some of the most modern equipment and drying technology on the market. Our knowledge is also at your disposal with dehumidification advice during the construction process, where we can offer shorter construction times leading to earlier occupancy and a moisture-controlled construction process. The service and support organisation offers expert assistance, the machines are among the most efficient on the market and we also have one of the largest rental parks in Europe.

► Read more about Construction dehumidification on page 18.





FLOODS AND WATER DAMAGE

A flood or water damage can be problematic, but need not always result in a catastrophe. Corroventa has the knowledge and the equipment to dehumidify different types of buildings and constructions, so that every case of water damage can be dried out as quickly and efficiently as possible.

Through machine pools and depots in several locations throughout Europe, we can quickly get the right machines in place, even in the event of major floods affecting a large number of properties.

► *Read more about our different techniques for drying water damage on page 16.*

PRODUCTS FOR A SAFE AND SOUND LIVING ENVIRONMENT

Moisture, odour and radon are the most common causes of a poor living environment. The problems can lead to extensive damage and costs – but also to health issues. For this reason, as a property owner it is important to protect one's house and create a safe and healthy living environment. Corroventa's solutions combine high efficiency and low operating costs with a long service life and reliable operation. This ensures safety, excellent functionality, carefree living and the lowest possible overall cost.

► *Read more about the living environment on page 58.*



SMART DETAILS FOR A MORE ERGONOMIC APPROACH

Machines that are light to carry and move, make work both faster and more efficient.

The new generation of products is the result of 35 years' experience in the industry and close communication with those of you that use our products on a daily basis.

An ergonomic design is not just a condition for avoiding back and wear injuries; intelligent details that facilitate work also save time and thereby money for our customers.

ERGONOMIC DETAILS

The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back.

The low design of the machines means that they can be easily carried upstairs. Rounded, soft corners and rubber feet make use comfortable for the user; preventing painful rubbing against the legs and dragging damage to floors and interiors.

LOW-WEIGHT MACHINES

We always have the objective of building machines with as low a weight as possible. Larger machines are equipped with big wheels and a folding pull handle making them stackable and if necessary they can be lifted by two people.



THE LARGER MACHINES HAVE A PULL HANDLE AND ARE EQUIPPED WITH BIG WHEELS. The big handle can be folded, so that two people can carry it. In addition, the machines are also stackable.



TEST AND DEVELOPMENT LAB

In Corroventa's well-equipped test environments, we train our installers to be drying experts.

We can compare different drying techniques, products and settings to establish the best methods for optimal drying results.

In our test and development lab we also look for new solutions and evaluate new technologies. This leads to deeper insights into the drying process and to new efficient products that we can immediately test, evaluate and further develop.





EASY TO GRIP HANDLE.

Our machines have a slim design that enables them to be held close to the body, thus reducing strain on the back.



WIND THE CORD around the handle and secure it against the metal casing using the magnet.



CLEAR CONTROL PANEL WITH A USER-FRIENDLY INTERFACE.



ROUNDED, SOFT RUBBER CORNERS that do not rub against your legs as you carry the machine. The product's feet are also made of rubber which eliminates the risk of leaving drag marks on the floor.



STACKABLE - the machines are designed so that they can be stacked safely. The compact design also means efficient logistics and easy transportation because there is room for several machines on a pallet or in a service vehicle.



A TRUSTED PARTNERSHIP

Being a partner to Corroventa opens the way for flexible collaboration. Our four business models are designed to create optimal solutions for all needs. Together we can find the combination or solution that suits your business best.



PURCHASE

You can choose to buy the equipment, with tailored warranties, service and support agreements.



LEASING

We offer leasing via local partners.



RENT

Renting for a limited period, for example to get machines during a high load. We have approx. 10,000 machines in our rental park, which is one of the largest in Europe. The rental products are available at a number of depots around Europe for delivery within a few hours.



MACHINE POOL

The machines are at your disposal for a longer period of time - you use them as part of your own machine park, and store the machines in your warehouse during the period of use. You are only charged for the time the machines are used.



ONE OF EUROPE'S LARGEST RENTAL PARKS. If you want to increase your company's machine capacity during high loads, renting from us is the ideal solution. We currently have approximately 10,000 machines in our rental park - one of the largest in Europe - and we can deliver directly to the water-damaged location.

KNOWLEDGE IS PART OF THE RANGE CORROVENTA ACADEMY – SEMINARS & TRAINING

With the correct knowledge, better results can be achieved with fewer resources in a shorter time. It is as simple as that.

We are more than happy to share our knowledge with our partners through support and expert advice. We have also planned several seminars and training courses throughout the year. At the same time, we are happy to hear from your experiences and any problems that you may have been faced with in the field. Realistic product development is important, so that we can offer really efficient and user-friendly products. This is beneficial to both of us, in the long term.



Read more and apply at:

www.corroventa.com/corroventa-academy

SEMINAR EXAMPLES

We offer a program with introductory and continuation courses within moisture and drying technology, as well as training in living environments, permanent installations. We look at

- ▶ Drying water damage in different house constructions and building materials.
- ▶ Drying moisture damage and installation of dehumidifiers in crawl spaces.
- ▶ Radon measurement and decontamination of high radon levels from the ground and "blue concrete", (a type of aerated autoclaved aerated concrete)
- ▶ Dehumidification of attics with demand controlled ventilation.

CUSTOMISE YOUR TRAINING

We are happy to customise training to your needs.



Practical tests of different drying techniques are carried out at our seminars. In our own building laboratories, theory and practice are combined; water damage in different structures is dried and evaluated with measurements.



SERVICE & REPAIR ACROSS THE WHOLE OF EUROPE

Corroventa's products are of crucial importance for dealing with the consequences of, for example, a flood where large sums are at stake.

In order for our customers to have as problem-free ownership as possible and be able to focus on your operations, Corroventa offers professional service and repair of the machines and, of course, loan machines are available for that time. All of Corroventa's European offices have knowledgeable staff who perform services quickly and carry out final testing on each machine to ensure safety. Both our partners and property owners must be able to depend on our products doing their job and that our service organisation is equally reliable. The starting point is simple – we are always available!

ES - ENERGY EFFICIENT PRODUCT LINE WITH UNIQUE PROPERTIES

ES is our most intelligent, flexible, compact and energy-efficient product line. At the same time, it is more powerful than any of our previous product series. ES stands for Energy Saving, and energy efficiency has been our primary objective throughout the product development process. Not just in terms of operation, but every aspect, from logistics to user interaction.



To optimise the drying effect, all machines in the ES family can cooperate with each other through a smart control system and network. Performance and drying results are measured via internal and external sensors.

The machines can be used alone or connected to several turbines and/or dehumidifiers, which means that no job is too big or too small for the ES family.

The machines also have a lot of integrated operating and control modes, as well as a built-in hygrostat for a needs-adapted drying process and minimised energy consumption.

UNIQUE SOLUTION WITH SUPERVISION®

All machines in the ES family are prepared for remote monitoring and control using SuperVision®, and together they create a unique and ground breaking system for dehumidifying and drying in the event of water damage.



UNIQUE BENEFITS FOR OPTIMAL RESULTS



ES - AN ENERGY-EFFICIENT PRODUCT FAMILY

Thanks to the smart control system with integrated operating modes, as well as energy-efficient components, the ES machines consume less energy than traditional machines. They are energy optimised for both large and small jobs.



COMPATIBLE WITH SUPERVISION®

SuperVision® is used to control and monitor the drying process via computer, mobile phone or tablet. Each SuperVision® module can monitor up to eight ES machines and the drying process is controlled remotely, quickly and easily.

**HIGHEST CAPACITY IN THE SMALLEST FORMAT**

For their size, the ES machines are more powerful than any other series we have introduced. Despite their compact appearance, our condensing dryers can supply more water than traditional condensing dryers twice their size.

**COMPACT DESIGN FOR EFFICIENT LOGISTICS**

The ES machines are designed so that they can be stacked safely. The compact design also means efficient logistics and easy transportation because there is room for several machines on a pallet or in a service vehicle.

**QUIET MODE**

The ES machines work extremely quietly, and even have a quiet mode which can be set at night. This is a huge advantage when the machines are used in residential environments, for example.

**COMMUNICATE WITH EACH OTHER**

The ES machines have an intelligent integrated control system to achieve optimised performance and collaboration between turbines, dehumidifiers and water separators.

**OPTIMISED DRYING TIME**

Because the drying result can be optimised at the time of installation, the machine works more efficiently, and the assignment will be completed in less time.

CONTROL MONITOR THE DRYING PROCESS REMOTELY

The ES family together with SuperVision® is a revolutionary solution for drying results, the environment and overall economy. All machines in the ES family are compatible with SuperVision®, and together create a system that is completely unique to the market. SuperVision® is used to control, measure and monitor the drying process via a computer, mobile phone or tablet.



Corroventa's latest innovation, SuperVision®, is a unique monitoring system and a revolutionary industry innovation. With

SuperVision® the drying process can be controlled, monitored and measured remotely using a computer, mobile phone or tablet. This enables considerably more assignments to be carried out simultaneously, while reducing the amount of travel that moisture control technicians are required to do to monitor the process on site.

Because the system permits total control of the drying process it achieves optimal results. In addition, the drying process can be ended at exactly the right time, which further saves energy and costs. SuperVision® is the optimal solution for drying results, overall economy and the environment.

TOTAL CONTROL

SuperVision® is a carefully designed and user-friendly system that enables the drying process to be monitored and controlled from a computer, smart phone or tablet. The system gives you complete control of the drying process, regardless of whether you use Corroventa's products daily or are an insurance company representative.

EXTREME ENERGY EFFICIENCY

Corroventa offers some of the industry's leading and most energy-efficient products. Energy consumption is further reduced by combining with SuperVision®.

SuperVision® can be used with any product from Corroventa's ES series. Each SuperVision® set can control a cell with up to 8 machines, as well as 30 measurement points.



SUPERVISION® is a carefully designed and user-friendly system that enables the drying process to be monitored and controlled from a computer, smart phone or tablet.

► *Read more about SuperVision® on page 77.*



DATA COLLECTION

SuperVision® collects data from the drying process through a gateway, which is driven by the dehumidifier. It is secured to the machine via magnets. SuperVision® is synchronised with the machine through a simple push of a button.



VISUALISATION, MONITORING AND CONTROL

The information that comes from the GSM gateway is stored on a web server and displayed in a user-friendly interface on your computer, tablet or mobile phone. SuperVision® allows you to analyse the data in real-time and change settings, modes, setpoint values and much more – from wherever you are and at any time.

DOCUMENTATION

In the statistics view you can easily create adapted diagrams with graphs based on the data from the sensors. SuperVision's report function also makes it possible to include diagrams in a customised report for the drying project, which also shows important information such as energy consumption.

OPTIMISED DRYING OF WATER DAMAGE

When drying water and moisture damage there are a range of different drying techniques available. Each incidence of damage is unique and the solution to the problem is almost never the same. This depends on what the damage looks like, if it is minor or major, what type of material and building construction is to be dried and what the requirements are for drying time, noise levels, energy consumption etc.

SUCTION DRYING

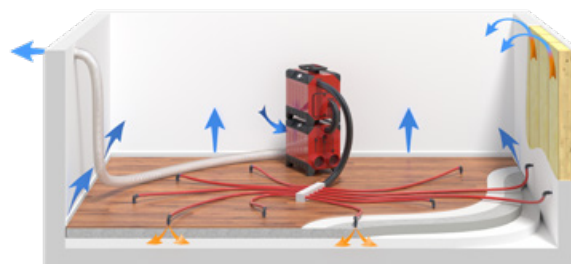


A turbine and a water separator suction dry a floor construction. The water separator prevents water and dirt from accompanying the flow into the turbine. Dry air from the dehumidifier is drawn down into the construction by the negative pressure created by the turbine.

► Suction drying is a good and simple method for drying layered constructions. Suction drying should always be used as a first stage when drying floors on concrete

slabs, where the water has leaked down into the fill or insulation under the floating floor.

PRESSURE DRYING



Dehumidifier and turbine pressure drying a layered floor and a stud wall simultaneously.

► Pressure drying is one of the most effective and fastest commercially available methods for drying layered structures. Pressure drying can be used with advantage

for drying floors on concrete slabs, where the water has leaked down into the fill or insulation under the floating floor.



AT OUR SEMINARS, PRACTICAL TESTS OF DIFFERENT DRYING TECHNIQUES ARE CARRIED OUT. WE WILL HAPPILY TRAIN YOU AND YOUR TEAM. READ MORE AND APPLY AT WWW.CORROVENTA.COM/CORROVENTA-ACADEMY

PUSH-PULL DRYING

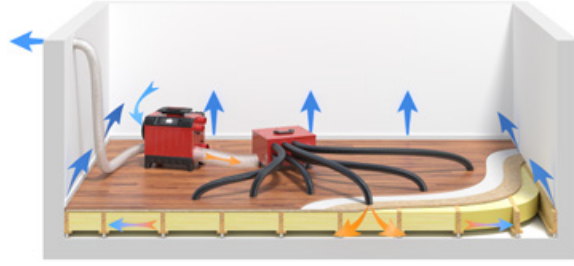


A combination of pressure and suction drying. Installing push-pull from the start prevents another visit to the site to switch between suction and pressure drying.

► Push-pull drying draws the moisture out of both the construction and the room air instead of pushing the moisture back into the room to process it with another

dehumidifier. This gives you a very quiet installation and minimises the risk of particles from the construction spreading into the living environment.

FLOOR JOIST DRYING

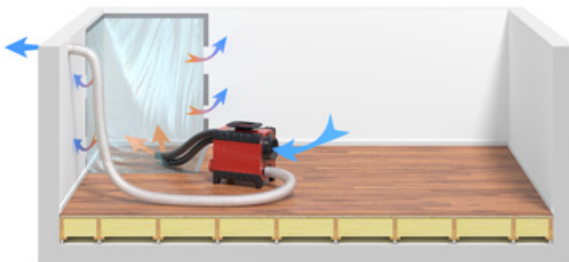


Dehumidifier and low-pressure fan drying a framed floor.

► One of the most effective ways of drying insulation in floor joists or a framed construction is to use a low-pressure fan and dehumidifier in combination.

This combination makes it possible to route large quantities of dry air through the framed building construction and, for this reason, it is very suitable for drying floor joists, walls, floors and other cavities.

PLASTIC ENCLOSURE (TARGET OR ENCLOSURE DRYING)

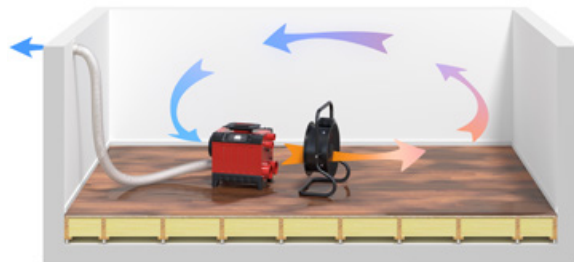


Optimise the drying result using thorough plastic enclosure.

► Enclosing a moisture-damaged construction in plastic during, for example, drying of floors or walls, is a very effective way to speed up the drying process

and make use of the dehumidifier's capacity. In this way, major damage can be dried faster with fewer dehumidifiers.

ROOM DEHUMIDIFICATION

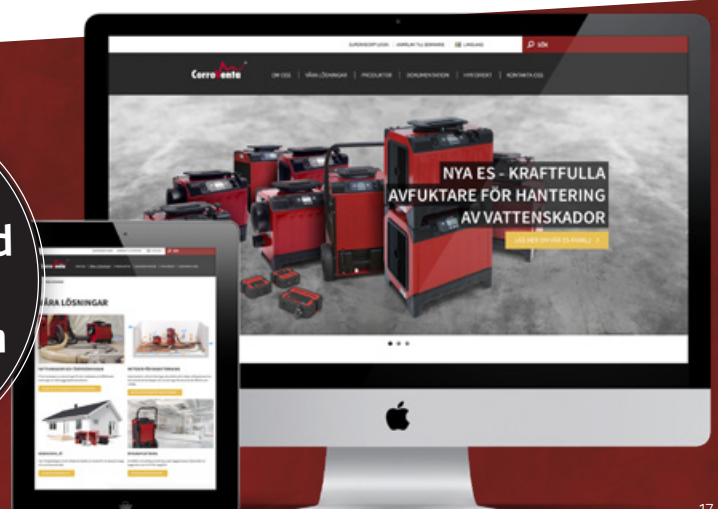


The fan increases the air flow with dry air across the damp surfaces and quickens the drying process.

► A dehumidifier is placed in the room where the damage occurred. The dryer blows dry air into the whole room, at which all

surfaces are dried. This is a good primary action before installing a more in depth drying method.

Read more
about optimised
drying at
corroventa.com



SHORTER CONSTRUCTION TIME AND FASTER OCCUPANCY

Since high levels of construction moisture can cause damage and major problems later on, it is important to have efficient and reliable dehumidification during the construction process. Construction dehumidification also provides a shorter construction time and faster occupancy. Therefore, it is important for several reasons, not least economic ones.

It is important in connection with new construction or renovation to dry and check the moisture conditions in the construction. Materials in a building contain a large amount of building moisture.

Some moisture remains in the material after production. During storage at the work site, more moisture is added. A newly cast concrete slab, which has a long drying time and is often exposed to rain and snow combined with a moist wooden frame, involves large quantities of building moisture that must be dried out. It is very important to measure the moisture ratio in joists and concrete and, where necessary, dry before continuing with the building.

This is because the installation of vapour barriers and other cladding shuts in the moisture, which could cause mould and rot once the building is completed.

HIGH PERCENTAGE OF MOISTURE DAMAGE IN NEW BUILDINGS

In surveys regarding claims connected to newly built houses, it turned out that the highest proportion of faults concerned moisture damage.

With the right knowledge and right procedures, dehumidification is an easy and natural part of the construction process that allows a rapid rate of building with good quality. Please ask us for advice; we can help you with the right machines and knowledge for your needs.

CONDENSING DRYER K5 HP PX

Compact but effective condensing dryer with a capacity of up to 45 l/day. Equipped with an additional heater, for use in unheated environments. As the condensing dryer has both a pump and a reservoir, each drying assignment can decide how the machine will take care of the condensed water.

► Read more about Condensing dryer K5 HP PX on page 41.



CORROVENTA OFFERS FOUR DIFFERENT BUSINESS MODELS; PURCHASE, RENT, LEASE AND MACHINE POOL. CHOOSE THE ONE THAT SUITS YOUR BUSINESS BEST. READ MORE AT [CORROVENTA.COM](https://www.corroventa.com)



MACHINES DESIGNED FOR CONSTRUCTION DEHUMIDIFICATION

Corroventa's product series includes our L4 series adsorption dehumidifiers with air-cooled condensers. They are ideal for emergency response drying and building dehumidification because they are easy to get started without any advanced installation. The L4 series can have either traditional analogue control, or digital control that allows remote operation and monitoring.

The machines dehumidify at low temperatures and also supply extra heat to the room, and are therefore particularly suitable in unheated

premises. The L4 machines are equipped with pumps that automatically pump out the condensation water. For large buildings with a lot of moisture that needs to be dried out, it is in many cases more efficient to use one large dehumidifier rather than several small ones. Corroventa's A50TD2 and CTR 10 000 are two large dehumidifiers that are suitable for large new buildings or major water damage.

► A50 TD2. Read more about it on page 28.

ADSORPTION DEHUMIDIFIER L4 ES HPW is ideal for construction drying as it produces water, adds heat and can be used in cold areas.

► Read more on page 32

ADSORPTION DEHUMIDIFIER A50 TD2

Highly efficient mobile adsorption dehumidifier for large and demanding work. Ideal for dehumidifying large new builds and renovations. Can be positioned both indoors and outdoors.

► Read more about Adsorption dehumidifier A50 TD2 on page 28.



WATER DAMAGE ADSORPTION DEHUMIDIFIERS

Our adsorption dehumidifiers have been the industry benchmark for drying results, energy efficiency and quality for a long time. With the ES series we also set new standards for intelligent control, user friendliness and flexibility.



ADSORPTION DEHUMIDIFIER A2 ES

Adsorption dehumidifier A2 ES has digital controls and is dimensioned for small and medium drying assignments. It has a dry air volume of up to 220 m³/h and a drying capacity of 17 l/day at 60% RH and 20°C.



Read more about the ES series and SuperVision® on pages 12-15.

As a member of the ES family, the A2 ES has a large number of integrated operating and control modes, which allows the drying effect to be optimised for the relevant drying assignment, at the same time as the machine retains a lower energy consumption than traditional adsorption dehumidifiers.

The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example.

Adsorption dehumidifier A2 ES works with all other ES machines and is prepared so that it can be monitored remotely with SuperVision®.

TECHNICAL DATA

Capacity 20°C, 60% RH	Up to 17 l/day
Built-in hygrostat	Yes
ΔX	Up to 5 g/kg
Dry air volume	Up to 220 m ³ /h
Dry air distribution	2 x ø50 + 1 x ø100 mm
Wet air	1 x ø80 mm
Noise level (3 m)	44-54 dB(A) ¹⁾
Connection	230 V / 50 Hz
Rated power	1 200 W
Real consumption at 20°C / 60% RH	1 000 W ²⁾
Weight	16 kg
Size (L x W x H)	415 x 295 x 430 mm
Article number	1002281

¹⁾ Depending on selected operating mode and installation.

²⁾ Operating mode Max Mode

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Low weight makes it easier to carry them upstairs and rounded, soft rubber corners do not rub against legs.



SuperVision® is used to control, measure and monitor the drying process via a computer, mobile phone or tablet. Each SuperVision® module can monitor up to eight ES machines.

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Silencer Ø 163 mm (9910136)	page 86
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Hose Ø 102 mm (9910141)	page 87
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ADSORPTION DEHUMIDIFIER A4 ES

Adsorption dehumidifier A4 ES has digital controls and is dimensioned for small and large drying assignments. It has a dry air volume of up to 350 m³/h and a drying capacity of 27 l/day at 60% RH and 20°C.



Read more about the ES series and SuperVision® on pages 12-15.

As a member of the ES family, the A4 ES has a large number of integrated operating and control modes, which allows the drying effect to be optimised for the relevant drying assignment, at the same time as the machine retains a lower energy consumption than traditional adsorption dehumidifiers.

The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example.

Adsorption dehumidifier A4 ES works with all other ES machines and is prepared so that it can be monitored remotely with SuperVision®.

TECHNICAL DATA

Capacity 20°C, 60% RH	Up to 27 l/day
Built-in hygostat	Yes
ΔX	Up to 5 g/kg
Dry air volume	Up to 350 m ³ /h
Dry air distribution	2 x ø50 + 2 x ø100 mm
Wet air	1 x ø80 mm
Noise level (3 m)	44-54 dB(A) ¹⁾
Connection	230V / 50 Hz
Rated power	1 500 W
Real consumption at 20°C / 60% RH	1 300 W ²⁾
Weight	18 kg
Size (L x W x H)	475 x 295 x 430 mm
Article number	1002760

¹⁾ Depending on selected operating mode and installation.

²⁾ Operating mode Max Mode

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Low weight makes it easier to carry them upstairs and rounded, soft rubber corners do not rub against legs.



SuperVision® is used to control, measure and monitor the drying process via a computer, mobile phone or tablet. Each SuperVision® module can monitor up to eight ES machines.

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ADSORPTION DEHUMIDIFIER A4 ES X

Adsorption dehumidifier A4 X, is the largest model in the ES range. It has digital controls and is equipped with an additional heater. It is dimensioned to be able to be used for both large and small dehumidifying tasks. It has a dry air volume of up to 350 m³/h and a drying capacity of 27 l/day at 60% RH and 20°C.



Read more about the ES series and SuperVision® on pages 12-15.

As a member of the ES family, the A4 ES X has a large number of integrated operating and control modes, which allows the drying effect to be optimised at the same time as the machine retains a lower energy consumption than traditional adsorption dehumidifiers.

The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example.

Adsorption dehumidifier A4 ES X works with all other ES machines and is prepared so that it can be monitored remotely with SuperVision®.

TECHNICAL DATA

Capacity 20°C, 60% RH	Up to 27 l/day
Built-in hygrostat	Yes
ΔX	Up to 5 g/kg
Dry air volume	Up to 350 m ³ /h
Dry air distribution	2 x Ø50 + 2 x Ø100 mm
Wet air	1 x Ø80 mm
Noise level (3 m)	44-54 dB(A) ¹⁾
Connection	230V / 50 Hz
Rated power	1500 W
Rated power w. additional heater	2,500 W
Real consumption at 20°C / 60% RH	1 300 W ²⁾
Weight	18 kg
Size (L x W x H)	475 x 295 x 430 mm
Article number	1002186

¹⁾ Depending on selected operating mode and installation.

²⁾ Operating mode Max Mode

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Low weight makes it easier to carry them upstairs and rounded, soft rubber corners do not rub against legs.



SuperVision® is used to control, measure and monitor the drying process via a computer, mobile phone or tablet. Each SuperVision® module can monitor up to eight ES machines.

ACCESSORIES

External RHT-sensor (1002817)page 81
Silencer Ø 163 mm (9910136)page 86
Hose Ø 82 mm (9910145)page 87
Filter (1002720)page 90
Quick clamp Ø 48-54 mm (9900795)page 92
Quick clamp Ø 97-54 mm (900799)page 92

CAN BE COMBINED WITH

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K3 ES HPpage 37
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L4 ES HPWpage 32



ANALOGUE OR DIGITAL

CORROVENTA'S ADSORPTION DEHUMIDIFIERS ARE AVAILABLE IN BOTH DIGITAL AND ANALOGUE VERSIONS WITH STRONG ADVANTAGES IN COMMON; THEY ARE POWERFUL AND ROBUST, COMPACT AND USER-FRIENDLY, AND OFFER TOP CLASS PERFORMANCE. QUITE SIMPLY, THEY ARE BUILT FOR PROFESSIONALS.

ADSORPTION DEHUMIDIFIER A1

A1 is Corroventa's smallest adsorption dehumidifier. It has a dry air volume of up to 140 m³/h and a drying capacity of 9 l/day at 60% RH and 20°C.



A1 is, like all Corroventa machines, a robust dehumidifier that can withstand tough environments. It is a simpler, compact and lightweight option that makes it easy to transport and handle. It is equipped with a multi-speed fan for optimal distribution of dry air. The dehumidifier is also equipped with hygrostat for energy efficient use, as well as an MID approved kWh meter.

TECHNICAL DATA

Capacity 20°C, 60% RH	Up to 9/6 l/day ²⁾
Dry air volume	Up to 140/100 m ³ /h ²⁾
Dry air distribution	1 x ø100 mm
Wet air	1 x ø50 mm
Noise level (3 m)	48/42 dB(A) ¹⁾
Connection	230 V / 50 Hz
Rated power	600 W
Real consumption at 20°C / 60% RH	550/400 W ²⁾
Weight	8.5 kg
Size (LxWxH)	310 x 253 x 287 mm
Article number	1003969

¹⁾ Depending on selected operating mode and installation.

²⁾ High/low speed

EASY MAINTENANCE



The dehumidifier is designed for easy cleaning and maintenance. The majority of the electronics are in the cover, which can be easily removed.



Shoulder straps are available as accessories to make transportation easier.

ACCESSORIES

Dry air hose Ø 102mm (9910141)	page 87
Shoulder strap, black, 2m (1004503)	see above
Hygrostat HR1-5 (9901100)	page 80
Hose Ø 51 mm (9910721)	page 86
Dry air hose Ø 102 mm (9910141)	page 87
Filter (1004493)	page 90
Quick clamp Ø 48-54 mm (9900795)	page 92
Quick clamp Ø 97-102 (9900799)	page 92

CAN BE COMBINED WITH

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AX3000	page 56
HP 2000XT	page 57
L4 HP	page 33
L4 HPW	page 34

ADSORPTION DEHUMIDIFIER A2

Adsorption dehumidifier A2 has analogue controls and is dimensioned for small and medium drying assignments. It has a dry air volume of up to 220 m³/h and a drying capacity of 16 l/day at 60% RH and 20°C.



Adsorption dehumidifier A2 has analogue controls and is the optimum choice when manual control is necessary. The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example.

TECHNICAL DATA

Capacity 20°C, 60% RH	Up to 16/12 l/day ²⁾
Dry air volume	Up to 220/170 m ³ /h ²⁾
Dry air distribution	2 x ø50 + 1 x ø100 mm
Wet air	1 x ø80 mm
Noise level (3 m)	50-55 dB(A) ¹⁾
Connection	230 V / 50 Hz
Rated power	1,250 W
Real consumption at 20°C / 60% RH	850/1 100 W ²⁾
Weight	16 kg
Size (L x W x H)	415 x 295 x 430 mm
Article number	1003676

¹⁾ Depending on selected operating mode and installation.

²⁾ High/low speed

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Low weight makes it easier to carry them upstairs and rounded, soft rubber corners do not rub against legs.

ACCESSORIES

Hygrostat HR1-5 (9901100)	page 80
Hose Ø 51 mm (9910721)	page 86
Hose Ø 82 mm (9910145)	page 87
Hose Ø 102 mm (9910141)	page 87
Filter (1002720)	page 90
Quick clamp Ø 48-54 mm (9900795)	page 92
Quick clamp Ø 97-102 mm (9900799)	page 92
Filler pipe 80x75 (9910159)	page 92

CAN BE COMBINED WITH

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HP 2000XT	page 57
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L4 HPW	page 34

ADSORPTION DEHUMIDIFIER A4

Adsorption dehumidifier A4 has analogue controls and is dimensioned for small and large drying assignments. It has a dry air volume of up to 330 m³/h and a drying capacity of 25 l/day at 60% RH and 20°C.



Adsorption dehumidifier A4 has analogue controls and is the optimum choice when manual control is necessary. The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example.

TECHNICAL DATA

Capacity 20°C, 60% RH	Up to 25/17 l/day ²⁾
Dry air volume	Up to 330/210 m ³ /h ²⁾
Dry air distribution	2 x Ø50 + 2 x Ø100 mm
Wet air	1 x Ø80 mm
Noise level (3 m)	50-55 dB(A) ¹⁾
Connection	230 V / 50 Hz
Rated power	1,550 W
Real consumption at 20°C / 60% RH	1 100/1 350 W ²⁾
Weight	18 kg
Size (L x W x H)	475 x 295 x 430 mm
Article number	1003677

¹⁾ Depending on selected operating mode and installation.

²⁾ High/low speed

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Low weight makes it easier to carry them upstairs and rounded, soft rubber corners do not rub against legs.

ACCESSORIES

Hygostat HR1-5 (9901100)	page 80
Hose Ø 51 mm (9910721)	page 86
Hose Ø 82 mm (9910145)	page 87
Hose Ø 102 mm (9910141)	page 87
Filter (1002720)	page 90
Quick clamp Ø 48-54 mm (9900795)	page 92
Quick clamp Ø 97-102 mm (9900799)	page 92
Filler pipe 80x75 (9910159)	page 92

CAN BE COMBINED WITH

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L4 HPW	page 34

ADSORPTION DEHUMIDIFIER A50 TD2

Highly efficient mobile adsorption dehumidifier for large and demanding work. Ideal for the dehumidification of large new builds, as well as renovations or emergency action in connection with fires and floods.



A50 TD2 has a dry air flow of up to 4300 m³/h and is equipped with additional heater. It is very user-friendly and contains all the necessary equipment for large drying jobs. The machine can be located both indoors and outdoors.

- ▶ Ideal for large, demanding drying jobs and building dehumidification.
- ▶ Can be lifted by a forklift truck or crane.
- ▶ Simple start-up, operation and monitoring. Controlled and maintained via touch panel.
- ▶ Energy efficient: Recovers 85 percent of the heat through patented technology.
- ▶ High capacity – up to 450 l/day.
- ▶ A B-class driving licence is required to transport the machine.

TECHNICAL DATA

Connection 3-phase drying	400 V 32 A
Connection 3-phase additional heater (if necessary)	400 V 32 A
Rated power	17.5 kW
Rated power additional heater (if necessary)	12.0 kW
Maximum airflow	4,300 m ³ /h
Capacity (20°C, 80% RH)	450 l/day
Dimensions (L x W x H)	410 x 200 x 190 cm
Weight	1,090 kg
Article number	9905555

HIGH EFFICIENCY AND FULLY EQUIPPED



Adsorption dehumidifier A50 TD2 is suitable for large new buildings or major water damage. It is very user-friendly and contains all the necessary equipment for large drying jobs.

DRYING TECHNIQUES



A50 TD2 recovers 85 percent of the heat, thanks to the patented technology. The machine can be located both indoors and outdoors.

ACCESSORIES

Hygrostat HR1-5 (9901100)page 80
Filter 430x430 mm (9905556) page 89
Filter 590x940 mm (9905558) page 90

CAN BE COMBINED WITH

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ADSORPTION DEHUMIDIFIER CTR 10 000

Highly efficient mobile adsorption dehumidifier for large and demanding work. On a trailer, this CTR dryer is always ready for rapid deployment wherever the catastrophe has occurred.



- ▶ Ideal for large, demanding drying jobs and building dehumidification.
- ▶ 10,000 m³/h dry air, capacity 875 l/day.
- ▶ The dryer can be lifted by a forklift truck or crane.

TECHNICAL DATA

Connection	3 ~ 400 V 63 A
Rated power	36.2 kW
Dry air - one fan	5,000 m³/h 2.2 kW
Dry air - two fans	10,000 m³/h 4.4 kW
Reg-air	1,800 m³/h 0.75 kW
Reg-output - 1 heater	15.5 kW
Reg-output - 2 heaters	31.0 kW
Capacity +20°C, 80% RH	875 l/day
Weight	1,080 kg
Weight with trailer	1,560 kg
Size with trailer (L x W x H)	485 x 233 x 220 cm
Size (L x W x H)	300 x 170 x 180 cm
Article number	9905000

HIGH EFFICIENCY AND FULLY EQUIPPED



Major costs can be avoided if the drying process is started quickly and in an effective way. Adsorption dehumidifier CTR 10000 is suitable for large new buildings or major water damage. On a trailer it is always ready for rapid deployment.

DRYING TECHNIQUES



CTR 10000 is extremely user-friendly and contains all the necessary equipment for large drying jobs. The machine can be located both indoors and outdoors. (The image shows A50 TD2)

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Filter (9905111)page 91

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WATER DAMAGE **ADSORPTION DEHUMIDIFIER WITH BUILT-IN CONDENSER**

Corroventa's series L4 is the new generation of adsorption dehumidifier with condenser technology. Dehumidification takes place in the same way as in a normal adsorption dehumidifier, but instead of the wet air being evacuated, it is cooled down so that it condenses and the water can be pumped out.



ADSORPTION DEHUMIDIFIER L4 ES HP

L4 ES HP has digital control. The machine automatically pumps out the condensation water, to a maximum pump height of 5 metres. It also dehumidifies at low temperatures and supplies additional heat during operation, despite a low energy consumption of only 1.3 kW. L4 ES HP has a capacity of 12 l/day at 20°C and 60% RH.



Read more about the ES series and SuperVision® on pages 12-15.

As a member of the ES family, the L4 ES HP has a large number of integrated operating and control modes, which allows the drying effect to be optimised for the relevant drying assignment. The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example. Adsorption dehumidifier L4 ES HP works with all other ES machines and is prepared so that it can be monitored remotely with SuperVision®. L4 is equipped with a cooling air connector that can be used to create a negative pressure in the dried space, if this is desirable to reduce the spread of dust and dirt to other parts of the building. Using the cooling air, which is also filtered in the machine, for this purpose is both easy and energy efficient.

TECHNICAL DATA

Capacity 20°C, 60% RH	12 l/day
Built-in hygrostat	Yes
Air Volume	480m³/h
Cooled air	100 m³/h
Dry air volume	Up to 380 m³/h
Dry air distribution	2 x ø50 + 2 x ø100 mm
Noise level Max/ECO dB (A) (3m)	approx. 50-58 dB(A) ¹⁾
Connection	230V / 50 Hz
Rated power	1,300 W
Temperature range	0°C - 30°C
Weight	23.5 kg
Size (L x W x H)	550 x 295 x 495 mm
Article number	1004188

¹⁾ Depending on selected operating mode and installation.

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Low weight makes it easier to carry them upstairs and rounded, soft rubber corners do not rub against legs.



SuperVision® is used to control, measure and monitor the drying process via a computer, mobile phone or tablet. Each SuperVision® module can monitor up to eight ES machines.

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External RHT-sensor (1002817)	page 81
Hose Ø 51 mm (9910721)	page 86
Hose Ø 102 mm (9910141)	page 87
Filter (1004010)	page 90
Quick clamp Ø 48-54 mm (9900795)	page 92
Quick clamp Ø 97-102 (9900799)	page 92

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ADSORPTION DEHUMIDIFIER L4 ES HPW

L4 ES HPW has digital control. The machine automatically pumps out the condensation water, to a maximum pump height of 5 metres. It also dehumidifies at low temperatures and supplies additional heat during operation, despite a low energy consumption of only 1.3 kW. L4 ES HPW has a capacity of 12 l/day.



Read more about the ES series and SuperVision® on pages 12-15.

As a member of the ES family, the L4 ES HPW has a large number of integrated operating and control modes, which allows the drying effect to be optimised for the relevant drying assignment. The machine is robust, stackable, compact and ergonomically designed. It is also equipped with wheels and a pull handle, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example. Adsorption dehumidifier L4 ES HPW works with all other ES machines and is prepared so that it can be monitored remotely with SuperVision®. L4 is equipped with a cooling air connector that can be used to create a negative pressure in the dried space, if this is desirable to reduce the spread of dust and dirt to other parts of the building. Using the cooling air, which is also filtered in the machine, for this purpose is both easy and energy efficient.

TECHNICAL DATA

Capacity 20°C, 60% RH	12 l/day
Built-in hygrostat	Yes
Air Volume	480m³/h
Dry air volume	Up to 380 m³/h
Dry air distribution	2 x Ø50 + 2 x Ø100 mm
Wheels	Ø 200 mm
Noise level Max/ECO dB (A) (3m)	approx. 50-58 dB(A) ¹⁾
Connection	230V / 50 Hz
Rated power	1,300 W
Temperature range	0°C - 30°C
Weight	30 kg
Size (L x W x H)	620 x 440 x 495 mm
Article number	1004161

¹⁾ Depending on selected operating mode and installation.

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Rounded, soft rubber corners that do not rub against your legs as you carry the machine.



SuperVision® is used to control, measure and monitor the drying process via a computer, mobile phone or tablet. Each SuperVision® module can monitor up to eight ES machines.

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Filter (1004010)	page 90
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Quick clamp Ø 97-102 (9900799)	page 92

CAN BE COMBINED WITH

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WS4 ES	page 49
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ADSORPTION DEHUMIDIFIER L4 HP

Adsorption dehumidifier L4 HP has analogue control. The machine automatically pumps out the condensation water, to a maximum pump height of 5 metres. It also dehumidifies at low temperatures and supplies additional heat during operation, despite a low energy consumption of only 1.3 kW. L4 HP has a capacity of 12 l/day.



Adsorption dehumidifier L4 HP has analogue controls and is the optimum choice when manual control is necessary. The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments.

ADVANTAGES OF L4 HP

- Water is removed via condensation and pumped out – no evacuation of the wet air is required
- Ideal for creating negative pressure during pressure drying when the negative pressure capacity is approx. 100 m³/h and connector diameter is 2 x ø50 + 2 x ø100 mm.
- Dry and hot air as well as extra additional heat from the condensation process

TECHNICAL DATA

Capacity 20°C, 60% RH	12 l/day
Air Volume	480m ³ /h
Dry air volume	Up to 380 m ³ /h
Dry air distribution	2 x ø50 + 2 x ø100 mm
Noise level Max/ECO dB (A) (3m)	approx. 50-58 dB(A) ¹⁾
Connection	230V / 50 Hz
Rated power	1,300 W
Temperature range	0°C - 30°C
Weight	23.5 kg
Size (L x W x H)	550x295x495 mm
Article number	1004161

¹⁾ Depending on selected operating mode and installation.

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Low weight makes it easier to carry them upstairs and rounded, soft rubber corners do not rub against legs.

ACCESSORIES

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Hose Ø 51 mm (9910721)	page 86
Hose Ø 102 mm (9910141)	page 87
Filter (1004010)	page 90

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ADSORPTION DEHUMIDIFIER L4 HPW

Adsorption dehumidifier L4 HPW has analogue control. The machine automatically pumps out the condensation water, to a maximum pump height of 5 metres. It also dehumidifies at low temperatures and supplies additional heat during operation, despite a low energy consumption of only 1.3 kW. L4 HPW has a capacity of 12 l/day.



Adsorption dehumidifier L4 HPW has analogue controls and is the optimum choice when manual control is necessary. The machine is robust, stackable, compact and ergonomically designed. It is also equipped with wheels and a pull handle, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments.

ADVANTAGES OF L4 HPW

- Water is removed via condensation and pumped out – no evacuation of the wet air is required
- Ideal for creating negative pressure during pressure drying when the negative pressure capacity is approx. 100 m³/h and connector diameter is 2 x Ø50 + 2 x Ø100 mm.
- Dry and hot air as well as extra additional heat from the condensation process

TECHNICAL DATA

Capacity 20°C, 60% RH	12 l/day
Air Volume	480m ³ /h
Dry air volume	Up to 380 m ³ /h
Dry air distribution	2 x Ø50 + 2 x Ø100 mm
Wheels	Ø200
Noise level Max/ECO dB (A) (3m)	approx. 50-58 dB(A) ¹⁾
Connection	230V / 50 Hz
Rated power	1,300 W
Temperature range	0°C - 30°C
Weight	30 kg
Size (L x W x H)	620 x 440 x 495 mm
Article number	1004179

¹⁾ Depending on selected operating mode and installation.

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Rounded, soft rubber corners that do not rub against your legs as you carry the machine.



The folding handle on L4 HPW and L4 ES HPW makes it possible for two people to carry the machine easily and also acts as protection for the display and gauge.

ACCESSORIES

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Hose Ø 51 mm (9910721)	page 86
Hose Ø 102 mm (9910141)	page 87
Filter (1004010)	page 90

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CLEVER DETAILS #1

EASY-GRIP HANDLE AND A NARROW DESIGN IN ORDER BE CARRIED CLOSER TO THE BODY AND ONLY PUT MINIMAL LOAD ON THE BACK.

WATER DAMAGE CONDENSING DRYERS

Corroventa's condensing dryers can be safely and rapidly installed in heated environments and are therefore ideal in the event of emergencies involving water damage. All the models are energy efficient, but our ES machines are particularly energy efficient, with a sophisticated control system to optimise the drying process and the end result.



All Corroventa's condensing dryers use Propane, R290 as refrigerant. Propane is natural with a low environmental impact. It is non-toxic and has very little impact on global warming (GWP 3), and no depleting effect on the ozone layer.



CONDENSING DRYER K3 ES HP

The smallest condensing dryer of the ES series, with a capacity of up to 30 l/day and an air volume of 300 m³/h. Despite its compact design, K3 ES HP can supply more water than traditional condensing dryers twice the size.



Read more about the ES series and SuperVision® on pages 12-15.

As a member of the ES family, condensing dryer K3 ES HP has a large number of integrated operating and control modes, which allows the drying effect to be optimised for the relevant dehumidifying assignment, at the same time as the machine retains a lower energy consumption than traditional condensing dryers. The condensing dryer is extremely quiet, which is a great advantage when used in residential environments for example.

Condensing dryer K3 ES HP can be used in combination with all other ES machines and is prepared so that it can be monitored remotely with SuperVision®.

K3 ES HP IS EQUIPPED WITH:

- ▶ Extra powerful fan for efficient dry air distribution.
- ▶ Pump

CAN BE COMBINED WITH

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Hose Ø 102 mm (9910141).....	page 87
Process air filter (1002412)	page 91
Condensation water filter (1003146)	page 91

COMPACT DESIGN



The machine is robust, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments.

They are designed to be stacked on each other. The compact design also means efficient logistics and easy transportation because there is room for several machines on a pallet or in a service vehicle.

TECHNICAL DATA

Air volume	300 m ³ /h
Built-in hygrostat	Yes
Max. capacity	30 l/day
Capacity 30°C / 80% RH	24 l/day
Capacity 20°C / 60% RH	12 l/day
Dry air distribution	2 x Ø100 mm
Operating range, RH%	30-100 %
Operating range, °C	+9 to +38°C
Noise level dB (A) (3m high speed)	52 dB (A)
Noise level dB (A) (3 m low speed)	47 dB (A)
Rated power	400 W
Operating power at 20°C / 60% RF	420 W
Refrigerant	R290
Power supply	230 V / 50 Hz
Weight	22 kg
Size (L x W x H)	430 x 295 x 470 mm
Article number	1004329

CONDENSING DRYER K5 ES HP PX

The largest condensing dryer in the ES series, it is very compact and efficient in relation to its size. K5 ES HP PX has a capacity of up to 45 l/day and an air volume of 500 m³/h.



Read more about the ES series and SuperVision® on pages 12-15.

As a member of the ES family, condensing dryer K5 ES HP PX has a large number of integrated operating and control modes, which allows the drying effect to be optimised for the relevant dehumidifying assignment, at the same time as the machine retains a lower energy consumption than traditional condensing dryers.

Condensing dryer K5 ES HP PX can be used in combination with all other ES machines and is prepared so that it can be monitored remotely with SuperVision®.

K5 ES HP PX IS EQUIPPED WITH:

- ▶ Powerful fan for efficient dry air distribution.
- ▶ Additional heater for use in unheated environments.
- ▶ Both pump and reservoir for flexible use

CAN BE COMBINED WITH

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WS4 ES	page 49
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ACCESSORIES

External RHT-sensor (1002817) ...	page 81
Hose Ø 102 mm (9910141)	page 87
Filter (1002827)	page 91
Condensation water filter (1003146)	page 91

ERGONOMIC DESIGN



The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between drying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example.

- ① Equipped with pull handle and large wheels for easy movement. The big handle can be folded, so that two people can carry it. In addition, it is also stackable.
- ② Easy to grip handle.
- ③ No tripping over the cable – simply wind it, together with the hose, around the handle and secure it against the panel using the magnet.
- ④ The product's feet are made of rubber which eliminates the risk of leaving drag marks on the floor.

TECHNICAL DATA

Air volume	500 m ³ /h
Built-in hygrostat	YES
Max. capacity	45 l/day
Built-in hygrostat	Yes
Capacity 30°C / 80% RH	36 l/day
Capacity 20°C / 60% RH	18 l/day
Dry air distribution	3 x Ø100 mm
Operating range, RH%	30-100%
Operating range, °C	+3°C to +38°C
Noise level dB (A) (3m high speed)	53 dB (A)
Noise level dB (A) (3 m low speed)	48 dB (A)
Rated power (incl. additional heater: 1 600 W	500 W
Operating power at 20°C / 60% RF	500 W
Refrigerant	R290
Power supply	230 V / 50 Hz
Weight	39.5 kg
Size (L x W x H)	520 x 445 x 710 mm
Article number	1004378

CONDENSING DRYER K3 HP B

Condensing dryer K3 HP B is a compact but effective condensing dryer with a capacity of up to 30 l/day.



The fan has two fan speeds, which makes the machine very adaptable. The machine is robust, stackable, compact and ergonomically designed, which facilitates the work and makes it easy to move between dehumidifying assignments.

It is extremely quiet, which is a great advantage when used in residential environments for example. K3 HP B is equipped with a bucket.

CAN BE COMBINED WITH

AX3000page 56

ACCESSORIES

Hygostat HR1-5 (9901100) page 80
Filter (1002412)page 91
Condensation water filter (1003146)page 91

ERGONOMIC DESIGN



The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between drying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example.

- ❶ Equipped with pull handle and large wheels for easy movement. The big handle can be folded, so that two people can carry it. In addition, it is also stackable.
- ❷ Easy to grip handle.
- ❸ No tripping over the cable – simply wind it around the handle and secure it against the panel using the magnet.
- ❹ The product's feet are made of rubber which eliminates the risk of leaving drag marks on the floor.

TECHNICAL DATA

Air volume	300 m³/h
Max. capacity	30 litres/day
Capacity 30 °C / 80% RH	24 litres/day
Capacity 20 °C / 60% RH	12 litres/day
Dry air distribution	2 x Ø100 mm
Operating range, RH%	30-100%
Operating range, °C	+9 to +38 °C
Noise level, dB (A) 3m High speed	52 dB (A)
Noise level, dB (A) 3 m Low speed	47 dB (A)
Rated power	400 W
Operating power at 20 °C / 60% RF	420 W
Refrigerant	R290
Power supply	230 V / 50 Hz
Weight	33 kg
Size (L x W x H)	500 x 360 x 650 mm
Article number	1004382

CONDENSING DRYER K3 HP

K3 HP is our smallest condensing dryer, with a capacity of up to 30 l/day and an air volume of 300 m³/h. Despite its compact appearance, K3 HP can supply more water than traditional condensing dryers twice the size.



Condensing dryer K3 HP is equipped with a powerful fan with two fan speeds and connectors for effective distribution of the dry air. The machine is robust, stackable, compact and ergonomically designed, which facilitates the work and makes it easy to move between dehumidifying assignments.

The condensing dryer is extremely quiet, which is a great advantage when used in residential environments for example. K3 HP is available as Energy Saving, K3 ES HP.

K3 HP IS EQUIPPED WITH:

- ▶ Extra powerful fan for efficient dry air distribution.
- ▶ Pump
- ▶ Connectors

CAN BE COMBINED WITH

AX3000page 56
 HP 2000XT page 57
 L4 HP page 33
 L4 HPWpage 34

ACCESSORIES

Hygostat HR1-5 (9901100) page 80
 Hose Ø 102 mm (9910141)..... page 87
 Filter (1002412)page 91

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Low weight makes it easier to carry them upstairs and rounded, soft rubber corners do not rub against legs.

CLEVER DETAILS



No tripping over the cable – simply wind it around the handle and secure it against the panel using the magnet.

TECHNICAL DATA

Air volume	300 m ³ /h
Max. capacity	30 litres/day
Capacity 30°C / 80% RH	24 litres/day
Capacity 20°C / 60% RH	12 litres/day
Dry air distribution	2 x Ø100 mm
Operating range, RH%	30-100%
Operating range, °C	+9 to +38 °C
Noise level dB (A) (3m high speed)	52 dB (A)
Noise level dB (A) (3 m low speed)	47dB (A)
Rated power	400 W
Operating power at 20°C / 60% RF	420 W
Refrigerant	R290
Power supply	230 V / 50 Hz
Weight	22 kg
Size (L x W x H)	430 x 295 x 470 mm
Article number	1004377

CONDENSING DRYER K5 HP PX

Condensing dryer K5 HP PX is a compact but effective condensing dryer with a capacity of up to 45 l/day.



Condensing dryer K5 HP PX is equipped with an additional heater, for use in unheated environments. As the condensing dryer has both a pump and a reservoir, each drying assignment can decide how the machine will take care of the condensed water.

The machine is robust, stackable, compact and ergonomically designed, which facilitates the work and makes it easy to move between dehumidifying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example.

K5 HP PX IS EQUIPPED WITH:

- ▶ Additional heater
- ▶ Pump
- ▶ Bucket

CAN BE COMBINED WITH

AX3000	page 56
HP 2000XT	page 57
L4 HP	page 33
L4 HPW	page 34

ACCESSORIES

Hygrostat HR1-5 (9901100)	page 80
Filter (1002827)	page 91

ERGONOMIC DESIGN



The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between drying assignments.

- ① Equipped with pull handle and large wheels for easy movement. The big handle can be folded, so that two people can carry it. In addition, it is also stackable.
- ② Easy to grip handle.
- ③ No tripping over the cable – simply wind it around the handle and secure it against the panel using the magnet.
- ④ The product's feet are made of rubber which eliminates the risk of leaving drag marks on the floor.

TECHNICAL DATA

Air volume	500 m ³ /h
Max. capacity	45 litres/day
Capacity 30°C / 80% RH	36 litres/day
Capacity 20°C / 60% RH	18 litres/day
Dry air distribution	3 x Ø100 mm
Operating range, RH%	30-100%
Operating range, °C	+9 to +38 °C
Noise level, dB (A) 3m High speed	53 dB (A)
Noise level, dB (A) 3 m Low speed	48 dB (A)
Rated power (incl. additional heater: 1 600 W	500 W
Additional heater (full temperature control)	1 100 W
Operating power at 20°C / 60% RF	500 W
Refrigerant	R290
Power supply	230 V / 50Hz
Weight	39.5 kg
Size (L x W x H)	520 x 445 x 710 mm
Article number	1004379

WATER DAMAGE **TURBINES**

Our turbines are developed for drying layered constructions and, in particular, occupied spaces where low noise levels are required. The new ES models combine advanced control with ease of use, while being compact, stackable and ergonomic.



TURBINE T2 ES

The ES family's small turbine, which is still one of the market's most efficient, is designed for small to medium drying jobs with an air volume of 180 m³/h.



Read more about the ES series and SuperVision® on pages 12-15.

The small but powerful turbine has a capacity of up to 180 m³/h and a pressure of up to 260 mbar. The turbine's air volume/-pressure can be adjusted based on the drying assignment's size and demand. When the temperature rises, the output is regulated down. This is done so that the machine can continue to work even at extreme load and not stop and require manual resetting as several other machines on the market do.

As a member of the ES family, the T2 ES has a large number of integrated operating and control modes, which allows the drying effect to be optimised for the relevant drying assignment.

T2 ES is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between drying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example.

Turbine T2 ES works with all other ES machines and is prepared so that it can be monitored remotely with SuperVision®.

TECHNICAL DATA

Air volume	Up to 180 m ³ /h
Pressure	Up to 260 mbar
Noise level at max. output	48 dB(A)
Rated power	1100 W
Connection	230 V / 50 Hz
Weight	14 kg
Size (L x W x H)	370 x 295 x 430 mm
Article number	1002535

ERGONOMIC DESIGN



- 1 Easy-grip handle and a narrow design so it can be carried closer to the body and only put minimal load on the back.
- 2 No tripping over the cable – simply wind it around the handle and secure it against the panel using the magnet.
- 3 Clear control panel with a user-friendly interface.
- 4 Rounded, soft rubber corners on the machine that do not rub against the legs when being carried.
- 5 The product's feet are made of rubber which eliminates the risk of leaving drag marks on the floor.
- 6 The machines are designed to be stacked each other. The compact design also means efficient logistics and easy transportation because there is room for several machines on a pallet or in a service vehicle.

ACCESSORIES

Corrofilter Inline (9910600)	page 50
Corrofilter Inline H13 (9919620)	page 50
Hose system C16 (1002770)	page 84
Hose system C25 (1003706)	page 84
Hose Ø 51 mm (9910721)	page 86
Silencer (9920901)	page 86
Cold air filter (1001238)	page 90
Process air filter (6000371)	page 90

CAN BE COMBINED WITH

SuperVision®	page 77
A2 ES	page 21
A4 ES	page 22
A4 ES X	page 23
WS4 ES	page 49
K3 ES HP	page 37
K5 ES HP PX	page 38
T4 ES	page 44

TURBINE T4 ES

The largest turbine of the ES-series, which is designed for an optimised result in both small and large dehumidifying assignments, with an air volume of up to 300 m³/h.



Read more about the ES series and SuperVision® on pages 12-15.

The turbine's air volume/-pressure can be adjusted based on the drying assignment's size and demand. The machine also has an integrated control to prevent overheating. When the temperature rises, the output is regulated down. This is done so that the machine can continue to work even at extreme load and not stop and require manual resetting as several other machines on the market do.

As a member of the ES family, the T4 ES has a large number of integrated operating and control modes, which allows the drying effect to be optimised for the relevant drying assignment.

T4 ES is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between drying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example.

Turbine T4 ES works with all other ES machines and is prepared so that it can be monitored remotely with SuperVision®.

TECHNICAL DATA

Air volume	Up to 300 m ³ /h
Pressure	Up to 260 mbar
Noise level at max. output	48 dB(A)
Rated power	1 800 W
Connection	230 V / 50 Hz
Weight	175 kg
Size (L x W x H)	430 x 295 x 430 mm
Article number	1001846

ERGONOMIC DESIGN



- 1 Easy-grip handle and a narrow design so it can be carried closer to the body and only put minimal load on the back.
- 2 No tripping over the cable – simply wind it around the handle and secure it against the panel using the magnet.
- 3 Clear control panel with a user-friendly interface.
- 4 Rounded, soft rubber corners on the machine that do not rub against the legs when being carried.
- 5 The product's feet are made of rubber which eliminates the risk of leaving drag marks on the floor.
- 6 The machines are designed to be stacked on each other. The compact design also means efficient logistics and easy transportation because there is room for several machines on a pallet or in a service vehicle.

ACCESSORIES

Corrofilter Inline (9910600)	page 50
Corrofilter Inline H13 (9919620)	page 50
Hose Ø 51 mm (9910721)	page 86
Silencer (9920901)	page 86
Cold air filter (1001238)	page 90
Process air filter (6000371)	page 90

CAN BE COMBINED WITH

SuperVision®	page 77
A2 ES	page 21
A4 ES	page 22
A4 ES X	page 23
WS4 ES	page 49
K3 ES HP	page 37
K5 ES HP PX	page 38
T2 ES	page 43
Hose system C16 (1002770)	page 84
Hose system C25 (1003706)	page 84



CLEVER DETAILS #2

OUR LARGER MACHINES HAVE A PULL HANDLE AND ARE EQUIPPED WITH BIG WHEELS. THE BIG HANDLE CAN BE FOLDED, SO THAT TWO PEOPLE CAN CARRY IT. IN ADDITION, THE MACHINES ARE ALSO STACKABLE.

TURBINE T2

Turbine T2 can supply an air volume of 180 m³/h and is designed for small to medium sized drying assignments.



The small but powerful turbine has a capacity of up to 180 m³/h and a pressure of up to 260 mbar. The turbine's air volume/-pressure can be adjusted based on the drying assignment's size and demand. When the temperature rises, the output is regulated down. This is done so that the machine can continue to work even at extreme load and not stop and require manual resetting as several other machines on the market do.

Turbine T2 has been updated with an integrated filter that protects and extends the service life of the machine. The new variant of T2 also has an integrated silencer that reduces the overall noise level.

The machine is robust, stackable, compact and ergonomically designed, which facilitates the work and makes it easy to move between drying jobs.

It is extremely quiet, which is a great advantage when used in residential environments for example. Turbine T2 is available as Energy Saving, T2 ES.

Its light weight means that it is also easy to transport between assignments.

TECHNICAL DATA

Air volume (continuously variable)	Up to 180 m ³ /h
Pressure (continuously variable)	Up to 260 mbar
Noise level at max. output	48 dB(A)
Rated power	1100 W
Connection	230 V / 50 Hz
Weight	13 kg
Size (L x W x H)	370 x 295 x 430 mm
Article number	1003669

ERGONOMIC DESIGN



- 1 Easy-grip handle and a narrow design so it can be carried closer to the body and only put minimal load on the back.
- 2 No tripping over the cable – simply wind it around the handle and secure it against the panel using the magnet.
- 3 Rounded, soft rubber corners on the machine that do not rub against the legs when being carried.
- 4 The product's feet are made of rubber which eliminates the risk of leaving drag marks on the floor.
- 5 The machines are designed to be stacked on each other. The compact design also means efficient logistics and easy transportation because there is room for several machines on a pallet or in a service vehicle.

ACCESSORIES

Corrofilter Inline (9910600)	page 50
Corrofilter Inline H13 (9919620)	page 50
Hose Ø 51 mm (9910721)	page 86
Silencer (9920901)	page 86
Process air filter (6000371)	page 90
Cold air filter (1001238)	page 90

CAN BE COMBINED WITH

A2	page 26
A4	page 27
WS4 ES	page 49
Hose system C16	page 84
Hose system C25	page 84



CLEVER DETAILS #3

THE MACHINES ARE DESIGNED TO BE STACKED ON EACH OTHER. THE COMPACT DESIGN ALSO MEANS EFFICIENT LOGISTICS BECAUSE THERE IS ROOM FOR SEVERAL MACHINES ON A PALLET OR IN A SERVICE VEHICLE.

WATER DAMAGE **WATER SEPARATOR AND FILTERS**

Corroventa's water separator in the new ES design is compact, stackable and ergonomic. The water separator is compatible with all turbines, both traditional analogue and ES turbines, but you get unique smart control options when connecting to ES turbines. This chapter also lists several filter options that can be combined with a number of different machines for your different needs and conditions.



WATER SEPARATOR WS4 ES

Water separator WS4 ES is part of the ES series and has a capacity of 25 l/min. It can work with all turbines, but when connected to our ES turbines you get unique functionality.



Read more about the ES series and SuperVision® on pages 12-15.

WS4 ES has as a safe design, which ensures that no water, gravel, sand, dust etc. enters the connected turbine. The water separator has 3 stage filter technology that gives clean outlet air, which increases the service life of the turbine.

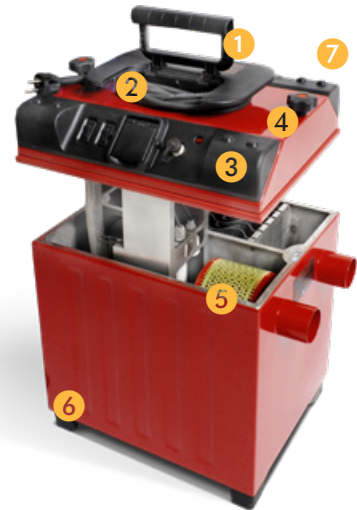
WS4 ES is robust, stackable, compact and ergonomically designed, which facilitates the work and makes it easy to move between drying jobs. It is extremely quiet, which is a great advantage when used in residential environments for example.

As a member of the ES family, water separator WS4 ES has unique advantages.

TECHNICAL DATA

Rated power	700 W
Max. pump height	3.5 m
Capacity	25 l/min
Connection	230 V / 50 Hz
Weight	20 kg
Size L x W x H (incl. connectors)	446x293x487 mm
Article number	1001653

WELL THOUGHT OUT DESIGN



- 1 Easy-grip handle and a narrow design so it can be carried closer to the body and only put minimal load on the back.
- 2 No tripping over the cable – simply wind it around the handle and secure it against the panel using the magnet.
- 3 Rounded, soft rubber corners on the machine that do not rub against the legs when being carried.
- 4 Easy maintenance – twisting two knobs opens the machine, for example for servicing and filter replacement.
- 5 Fine filter Inline – easy access and simple to change.
- 6 The product's feet are made of rubber which eliminates the risk of leaving drag marks on the floor.
- 7 The machines are designed to be stacked on each other. The compact design also means efficient logistics and easy transportation because there is room for several machines on a pallet or in a service vehicle.

ACCESSORIES

Hose system C16 (1002770).....	page 84
Hose system C25 (1003706).....	page 84
Hose Ø 51 mm (9910721).....	page 86
Hose 50 m (9910753).....	page 86
Hose connection female (6000342).....	page 87
Hose connection male (6000341).....	page 87
Fine filter Inline (9910603).....	page 88

CAN BE COMBINED WITH

SuperVision®	page 77
A2 ES	page 21
A4 ES	page 22
A4 ES X.....	page 23
K3 ES HP	page 37
K5 ES HP PX.....	page 38
T2 ES.....	page 43
T4 ES	page 44
T2	page 46

CORROFILTER INLINE

Coarse filter, cyclonic filter and fine filter in the same unit. Protects the machine from dirt particles and reduces impurities to the surroundings when suction drying. High separation level with fine filter Inline.



CAN BE COMBINED WITH

- T2page 46
- T2 ES.....page 43
- T4 ES page 44

DETAILS



1 Coarse filter 2 Fine filter Inline

ACCESSORIES

Fine filter Inline (9910603)page 88

TECHNICAL DATA

Connection diameter	Ø 50 mm
Article number	9910600

CORROFILTER INLINE H13

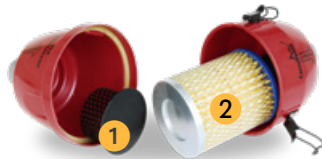
Coarse filter, cyclonic filter and HEPA H13 fine filter in the same unit. Eliminates impurities to the surroundings when suction drying, and protects the machine from dirt particles.



CAN BE COMBINED WITH

- T2page 46
- T2 ES.....page 43
- T4 ES page 44

DETAILS



1 Coarse filter 2 HEPA fine filter H13

ACCESSORIES

Fine filter H13 (9910610)page 88

TECHNICAL DATA

Filtration efficiency (0.3 microns DOP)	99.99%
Filtration efficiency (of all particles and fibres from mineral wool)	min. 99.967%
Connection diameter	Ø 50 mm
Article number	9919620

FLEXIFILTER HEPA H13

A filter unit for cleaning large volumes of air where up to 6 turbine units can be connected.



Flexifilter HEPA H13 can be combined with all Corroventa's turbine and combi models for suction drying. Can be used together with radial fan HP 2000XT for cleaning large volumes of air in decontamination and building jobs.

- ▶ HEPA H13 class
- ▶ Filtration efficiency exceeding 99.95% up to 1080 m³/h
- ▶ Carbon filter for reducing bad odours.

TECHNICAL DATA

Max air volume HEPA H13, 99.95% filtration efficiency	1,080 m ³ /h
Max air volume HEPA H12, 99.50% filtration efficiency	1,440 m ³ /h
Weight	18 kg
Size (L x W x H)	360 x 500 x 535 mm
Article number	9920850

COMBINATION



Flexifilter HEPA H13 can be combined with all Corroventa's turbine and combi models for suction drying. The unit can be seen here combined with turbine T2 ES.

- 1 Air intake
- 2 Filter cassette H13 – carbon filter for reducing bad odours.
- 3 Air outlet
- 4 Hose Ø 51 mm
- 5 The turbines in the ES series show the current air flow

The feet on Flexifilter HEPA H13 are made of rubber which eliminates the risk of leaving drag marks on the floor.



ACCESSORIES

Hose Ø 51 mm (9910721).....	page 86
Filter cassette H13 (9920853).....	page 88

CAN BE COMBINED WITH

HP 2000XT	page 57
T2	page 46
T2 ES.....	page 43
T4 ES	page 44

FILTER BOX

Coarse filter during radon decontaminating or negative pressure ventilation with RS400. Filter replacement extends the life of the machine, simple to change via the filter hatch with button mounting.



CAN BE COMBINED WITH



RS 400 page 73

ACCESSORIES

Filter (9920956).....page 88

TECHNICAL DATA

Connection	Ø 100 mm
Size (L x W x H)	190x230x210 mm
Article number	9920961





CLEVER DETAILS #4

**WIND THE CORD AROUND THE HANDLE AND SECURE IT
AGAINST THE METAL CASING USING THE MAGNET.**

WATER DAMAGE **FANS**

Increasing the air speed in the premises using the axial fan speeds up the drying process of the walls, floor and roof. The radial fan is used for framed constructions and insulation. Our robust fans give a reliable process.



AXIAL FAN AX3000

Axial fan AX 3000 is used for faster and more efficient drying of floors, walls and ceilings.



By using an axial fan to increase the air speed in large room volumes at the same time as using a dryer, the drying process of the walls, floor and roof can be speeded up. Axial fan AX3000 has a robust and solid design.

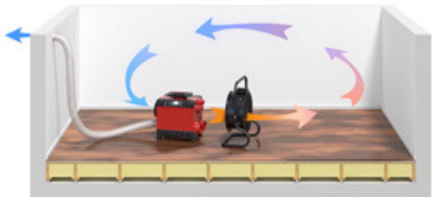
TECHNICAL DATA	
Air volume	3 000 m³/h
Connection	230 V / 50 Hz
Rated power	100 W
Weight	13 kg
Size (L x W x H)	295 x 450 x 620 mm
Article number	9904050

WELL THOUGHT OUT DESIGN



Axial fan AX3000 has a solid design. The neat handle makes it easy to carry. The fan can easily be directed so that the air is blown in the direction you want. The base is stable and the fan stands firmly on the floor.

DRYING TECHNIQUES



Room dehumidification. A dehumidifier blows dry air into the whole room, so that all surfaces are dried. To increase the airflow and speed of the drying process, a fan can be used. (The image below shows Axial fan AX3000 together with Adsorption dehumidifier A4ES.)

CAN BE COMBINED WITH

A2 ES	page 21
A4 ES	page 22
A4 ES X.....	page 23
A2	page 26
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A50 TD 2.....	page 28
CTR 10000	page 29
L4 ES HP.....	page 31
L4 ES HPW.....	page 32
L4 HP	page 33
L4 HPW	page 34
K3 ES HP	page 37
K5 ES HP PX.....	page 38
K3 HPB.....	page 39
K3 HP.....	page 40
K5 HP PX	page 41

RADIAL FAN HP 2000XT

HP 2000XT is a robust radial fan that speeds up drying of floor joists and insulation etc. It is used to distribute dry air to different rooms etc.



Radial fan HP 2000XT is a robust radial fan for drying surface material, framed constructions and insulation. It can be combined with several of Corroventa's dehumidifiers. The unit can be seen here combined with adsorption dehumidifier A4.



TECHNICAL DATA

Air volume	500/1,500 m ³ /h
Available pressure	900 Pa
Connection	230 V / 50 Hz
Rated power	125/295 W
Connectors	6 x Ø50 + 1 x Ø100 mm
Weight	13 kg
Size (L x W x H)	390 x 400 x 275 mm
Article number	9903050

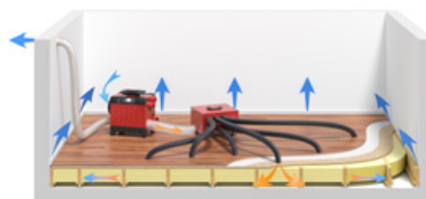
WELL THOUGHT OUT DESIGN

A well thought out design that among other things means that the fan can be stacked.

The feet on HP 2000XT are made of rubber which eliminates the risk of leaving drag marks on the floor.



DRYING TECHNIQUES



Floor joist drying One of the most effective ways of drying insulation in floor joists or framed construction is to use a low-pressure fan and dehumidifier in combination.

ACCESSORIES

Hose Ø 51 mm (9910721).....	page 86
Hose Ø 51 mm for bridging (9921123).....	page 86
Hose Ø 102 mm (9910141).....	page 87

CAN BE COMBINED WITH

A2 ES.....	page 21
A4 ES.....	page 22
A4 ES X.....	page 23
A2.....	page 26
A4.....	page 27
L4 ES HP.....	page 31
L4 ES HPW.....	page 32
L4 HP.....	page 33
L4 HPW.....	page 34
K5 ES HP PX.....	page 38
K3 HP.....	page 40
Flexifilter HEPA H13.....	page 51

LIVING ENVIRONMENT **MOISTURE, ODOURS AND RADON**

Damp, odour and radon are the most common causes of negative influences in living environments, which can lead to serious damage and costs. For this reason, as a property owner it is important to protect one's house in order to create a safe and healthy residential environment.



CORROVENTA'S SOLUTION FOR PROBLEMS WITH MOISTURE IN THE CRAWL SPACE

Moisture and water damage are one of the most common problems affecting a house holder. Moisture is present in the form of steam, water or ice. All air contains a greater or lesser degree of moisture. We can't see it with the naked eye before it appears in the form of small water drops against a cold surface of metal or glass. Damp, in itself, is completely harmless, but damp together with organic materials, such as for example in a crawlspace, often causes problems in the form of mould, fungus and odours.

All house constructions have crawl spaces with different ventilation conditions. There are unventilated, indoor air ventilated or outdoor air ventilated crawl spaces. All types of crawl spaces are at risk of moisture damage, but those that are outdoor air ventilated are often particularly vulnerable.

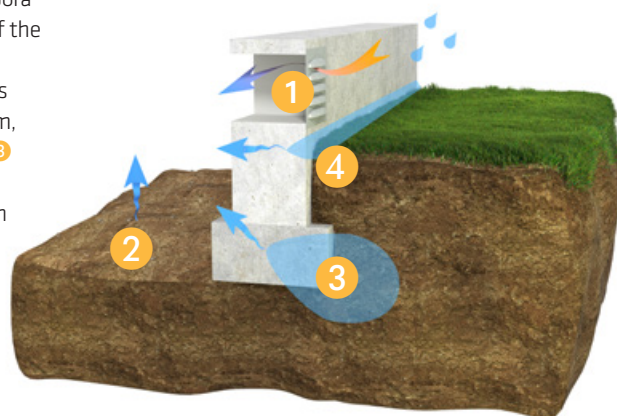
THIS IS HOW DAMP IN CRAWL SPACES OCCURS

All air contains moisture, which in itself is completely harmless. But damp together with organic materials found in a crawlspace, often causes problems in the form of rot, mould and fungus. This is usually detected by the smell.

That the moisture level in a crawlspace becomes so great that it becomes a problem can depend on one or several causes.

- ▶ When hot outdoor air enters the cold crawlspace via vents or cracks ①, it cools down, at which point the air humidity increases. In extreme cases condensation and water drops are created that hang from the ceiling above.
- ▶ Addition of damp through evaporation from the ground surface of the crawl space ②.
- ▶ Moisture from the surroundings through penetrating water from, for example, lack of drainage. ③
- ▶ Water that penetrates into the crawl space through foundation walls from the ground, for example from downpipes and rain water. ④.

Problems with moisture in the crawl space can occur in many different ways. Crawl space constructions ventilated by outdoor air are usually extremely sensitive to moisture.

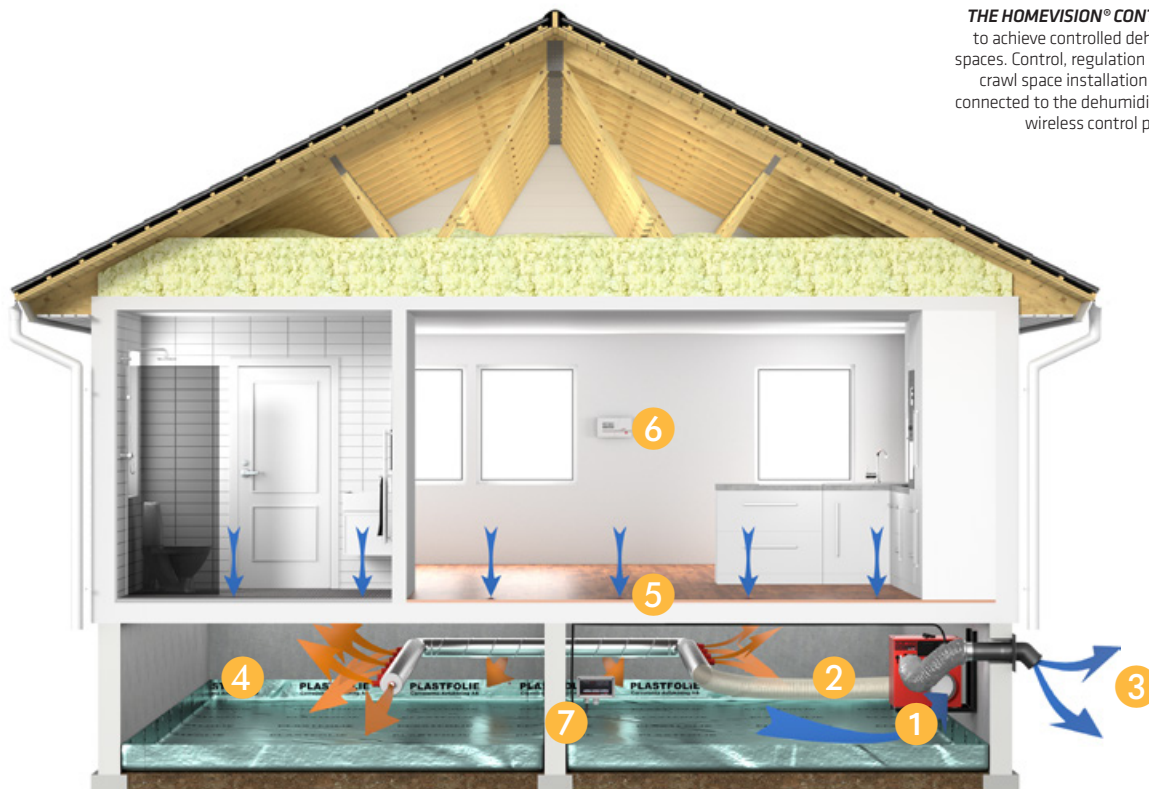


EASY MONITORING WITH HOMEVISION®

The HomeVision® control system is used to achieve controlled dehumidification in crawl spaces. The crawl space installation is monitored, controlled and regulated via a hygrostat section connected to the dehumidifier and a wireless control panel in the living environment.

▶ Read more about our different control systems on pages 76-81.





THE HOMEVISION® CONTROL SYSTEM is used to achieve controlled dehumidification in crawl spaces. Control, regulation and monitoring of the crawl space installation occurs via a hygrostat connected to the dehumidifier in the space and a wireless control panel in the living area.

PRINCIPLE FOR DEHUMIDIFYING CRAWLSPACES

When outdoor air, particularly during the warm times of year, enters the crawl space ④ under the house it is cooled by the cool environment and the relative moisture increases and, therewith, the risk of mould infestation and odours. By drying the air, so that the relative humidity remains below 65-70 %, mould can be prevented.

The air in the crawlspace is sucked into the dehumidifier ①. The dry air ② must be distributed in such a way that the crawlspace remains dry. The dehumidifier draws out the moisture ③ from the crawl space to the surroundings via the wet air.

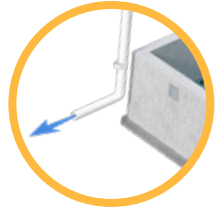
Crawl space dehumidifier CTR 300TT2 is designed so that it, without any major impact on the efficiency of the machine, allows you as a user to adjust the amount of wet air ③ that leaves the crawl space.

In this way, the negative pressure in the crawlspace ④ is controlled so that any odours ⑤ and any radon are prevented from penetrating the living environment.

Control, regulation and monitoring of the crawl space installation occurs via a hygrostat ⑦ connected to the dehumidifier in the space and a wireless control panel ⑥ in the living environment.

THIS IS HOW YOU SOLVE DAMP PROBLEMS THROUGH DEHUMIDIFICATION.

- Route water away from e.g. downpipes that exit close to foundation walls.
- Cover the ground in the crawlspace with a plastic sheet to prevent moisture evaporation.
- Block and seal all vents and cracks in the crawlspace so that no outside air enters.
- Permanently install a crawlspace dryer that maintains humidity at such a low level that mould, fungus etc. is prevented.



CRAWL SPACE DEHUMIDIFIER WITH IMPRESSIVELY LOW ENERGY CONSUMPTION

Adsorption dehumidifier CTR 300TT2 has been part of our range for 20 years and is one of our faithful servants. It is specially designed for use in crawl spaces where the requirements are for robustness, operational safety and long service life. It is also suitable for air and radon remediation.

► Read more about our different crawl space dehumidifiers on pages 62-64.



CRAWLSPACE DEHUMIDIFIER CTR 300TT2

Adsorption dehumidifier for fixed installation in crawl spaces, with a dry air volume of up to 300 m³/h. CTR 300TT2 has one of the lowest energy consumptions on the market



CTR 300TT2 is specially designed for use in crawl spaces, where the requirements are for energy efficiency, operational safety, fire resistance and long service life.

Thanks to our patented damper solution which creates negative pressure in the crawl space, CTR 300TT2 is also suitable for air and radon decontamination.

SOME ADVANTAGES OF CTR 300TT2

- ▶ Controlled and monitored wirelessly with HomeVision® PRO
- ▶ Designed for foundations up to 200 m³
- ▶ Effective for air and radon decontamination.
- ▶ High quality and long service life
- ▶ Energy efficient and has low operating costs

COMBINED WITH

HomeVision® PRO.....page 78

ACCESSORIES

Mounting kit TT Multi (9910590) ...page 85
 Silencer (9920901)..... page 86
 Replacement filter (9920184)page 89
 Nozzle (9910440)page 92

CONTROL SYSTEM



EASY MONITORING WITH HOMEVISION® PRO

The dehumidifier is controlled and monitored by our HomeVision® PRO system, which consists of a hygrostat placed in the crawl space and a wireless, digital control panel inside the accommodation.



CTR 300TT2 has been part of our range for over 20 years and is one of our faithful servants. Corroventa has developed a complete range of mounting kits for quick, easy and correct mounting in crawl spaces.

TECHNICAL DATA

Dry air volume	200-300 m ³ /h
Wet air volume	45-130 m ³ /h
Connection	230 V, 50 Hz
Rated power	1,015 W
Real consumption	Approx. 850 W
Process air inlet	Ø 160 mm
Wet air outlet	Ø 75 mm
Dry air outlet	1x Ø 100 mm + (2x Ø 50 mm)
Noise level (3m)	Approx. 56 dB
Weight	16 kg
Size (L x W x H)	420 x 325 x 360 mm
Dehumidification capacity at: 20°C / 60% RH	21 l/day
Dehumidification capacity at: 10°C / 60% RH	14 l/day
Dehumidification capacity at: 5°C / 60% RH	12 l/day
Article number	9902900

CRAWL SPACE DEHUMIDIFIER CTR STD-TT

CTR STD-TT is our smallest adsorption dehumidifier for fixed installation in crawl spaces, with a dry air volume of 200-220 m³/h.



Crawl space dehumidifier CTR STD-TT is specially designed for foundations with only damp problems. Its energy consumption is among the lowest on the market, and therefore it is superior than most in terms of energy. CTR STD-TT is specially designed for use in crawl spaces, where there are high requirements for robustness, operational safety and long service life.

SOME ADVANTAGES OF CTR STD-TT

- ▶ Controlled and monitored wirelessly with HomeVision® PRO
- ▶ Designed for foundations up to 150 m³
- ▶ High quality and long service life
- ▶ Energy efficient and has low operating costs



COMBINED WITH

HomeVision® PRO.....page 78

ACCESSORIES

Mounting kit TT Multi (9910590) ..page 85
Filter (1000926)..... page 88
Nozzle (9910440)page 92

CONTROL SYSTEM



EASY MONITORING WITH HOMEVISION® PRO

The dehumidifier is controlled and monitored by our HomeVision® PRO system, which consists of a hygrostat placed in the crawl space and a wireless, digital control panel inside the accommodation.



Crawl space dehumidifier CTR STD-TT is specially designed for use in crawl spaces. It consumes very little energy and is one of the most energy efficient crawl space dehumidifiers on the market.

TECHNICAL DATA

Dry air volume	200-220 m ³ /h
Wet air volume	30-40 m ³ /h
Connection	230 V, 50 Hz
Rated power	860 W
Real consumption	775 W
Wet air outlet	Ø 80 mm
Dry air outlet	Ø 100 mm
Noise level (3m)	56 dB
Weight	15 kg
Size (L x W x H)	455 x 325 x 290 mm
Overheating protection	3 pcs
Dehumidification capacity at: 20°C, 60% RH	17 l/day
Dehumidification capacity at: 10°C, 60% RH	13 l/day
Dehumidification capacity at: 5°C, 60% RH	11 l/day
Article number	9902700

CRAWL SPACE DEHUMIDIFIER CTR 500TT

CTR 500TT is our largest dehumidifier for fixed installation in crawl spaces, with a dry air volume of up to 500 m³/h.



The crawl space dehumidifier has a high capacity in relation to its size. CTR 500TT is specially designed for use in crawl spaces, where there are high requirements for robustness, operational safety and long service life. The machine is used in spaces with only damp problems.

SOME ADVANTAGES OF CTR 500TT

- ▶ Designed for foundations of up to 350 m³.
- ▶ Extremely effective against problems with damp
- ▶ High quality and long service life
- ▶ Energy efficient and has low operating costs

COMBINED WITH

Control panel..... page 80

ACCESSORIES

Mounting kit 500TT
Universal (9910575) page 85
Replacement filter (9900208) .. page 89
Nozzle (9910440) page 92

CONTROL SYSTEM



EASY MONITORING WITH CONTROL PANEL

The crawl space dehumidifier is controlled using a hygrometer that is positioned in the crawl space where the conditions are considered representative or particularly critical and the drying can be monitored via a control panel inside the residence.



CTR 500TT is specially designed for use in crawl spaces. Corroventa has developed a complete range of mounting kits for quick, easy and correct installation.

TECHNICAL DATA

Dry air volume	500 m ³ /h
Wet air volume	60-80 m ³ /h
Process air inlet	Ø 2x125 mm
Dry air outlet	2x 100 mm + (3x Ø 50 mm)
Wet air outlet	Ø 75 mm
Connection	230 V / 50 Hz
Rated power	1780 W
Real consumption	Approx. 1500 W
Noise level (3m)	62 dB
Weight	21 kg
Size (L x W x H)	480 x 385 x 400 mm
Dehumidification capacity at: 20°C / 60% RH	35 l/day
Dehumidification capacity at: 10°C / 60% RH	24 l/day
Dehumidification capacity at: 5°C / 60% RH	21 l/day
Article number	9920701



EXPERT ASSISTANCE AND PROBLEM SOLVING

AT CORROVENTA WE ARE VERY MUCH APPRECIATED FOR OUR HIGH STANDARDS OF SERVICE AND LEVELS OF KNOWLEDGE. WE ARE HAPPY TO HELP WHEN YOU NEED ADVICE. CALL US ON +44 (0)161-244 95 23 AND SPEAK TO AN EXPERT.

RECTIFY MOISTURE PROBLEMS IN ATTICS WITH DEMAND CONTROLLED VENTILATION

Cold attic spaces with natural ventilation run the greatest risk of being affected by moisture problems. According to an investigation carried out by the Swedish National Board of Housing, about 300,000 buildings in Sweden suffer from mould, mildew odours or high moisture levels that can be directly traced to problems in the attic. In the long term this can cause damage to the construction.

There are many things that can cause problems with moisture and mould in the attic:

- ▶ Warm moist air from the indoor environment enters the cold attic through unsealed areas and condenses.
- ▶ Additional attic insulation means that the attic gets colder, which means that moisture condenses more easily.
- ▶ Changing a heat source also means changes to the air pressure throughout the house. Switching to geothermal/district heating means that a chimney that was previously warm is now cold, and there is no longer any "chimney effect".
- ▶ Built-in construction moisture can also cause moisture and mould infestations in the attic.
- ▶ The ventilation requirement varies from attic to attic and during the course of the year. Ventilating an attic space too much can also cause problems. If the outdoor temperature is cold, the air in the attic is cooled and can cause condensation against the cold outer roof.

The outside air has a moisture content and temperature that varies a lot during a day and over time - in certain conditions the air has a drying effect, and in other conditions the opposite where ventilating the attic has a negative effect. If the unfavourable periods of ventilation become longer than the favourable ones, the humidity inside the attic increases. During the cold part of the year, the favourable period of a day can be as short as a single hour.

MEASURES THAT SOLVE THE PROBLEM OF DAMP IN THE ATTIC

- ▶ Seal the attic floor and monitor the ventilation in the living environment, especially wet areas, in order to reduce the amount of damp air that flows into the attic space.
- ▶ Install permanent equipment for controlled ventilation in the attic space. This creates a suitable environment for all building materials that prevents mould, rot and other microbial damage.

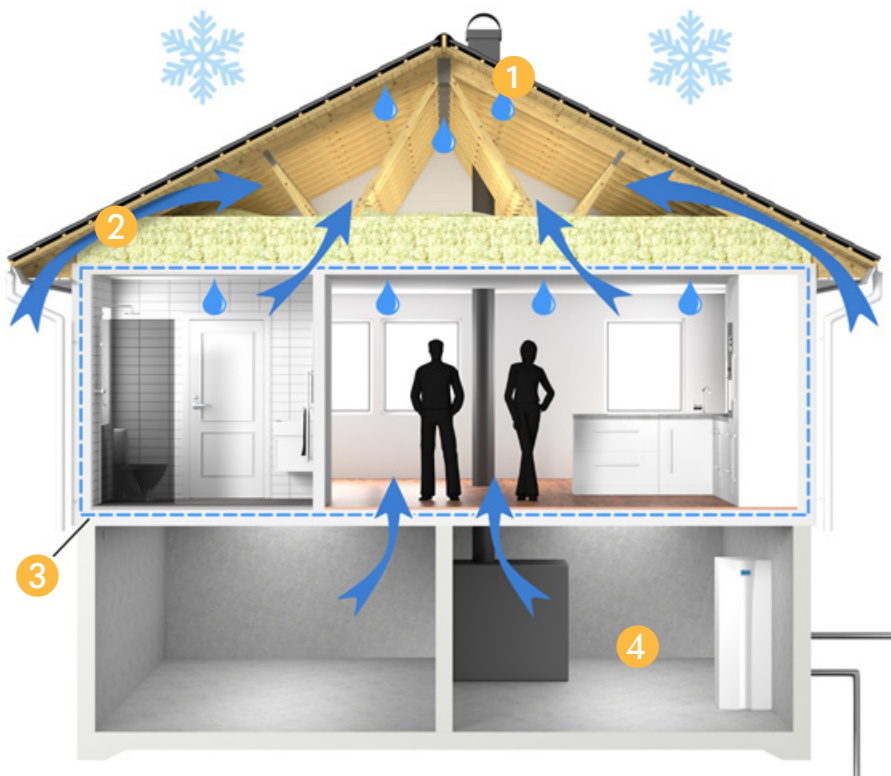


The control unit reads off the sensors and determines, via an algorithm, the size of the ventilation demand.

FACTS ABOUT MOISTURE DAMAGE IN ATTICS

- ▶ According to Anticimex, over 50% of the cold attics in Sweden are at risk for, or already have, moisture related problems. A study from Chalmers University of Technology found that as much as 72% of all small houses with cold attics in Västra Götaland County had high levels of humidity and mould.
- ▶ In recent years Chalmers University of Technology and the KTH, the Royal Institute of Technology in Stockholm, have conducted several studies that have shown that excessive moisture and mould in attics is a major and growing problem.

50%



THINGS THAT CAN CAUSE PROBLEMS WITH MOISTURE AND MOULD IN THE ATTIC:

- ❶ Additional attic insulation means that moisture condenses more easily.
- ❷ Ventilation moisture can occur by an attic being ventilated too much at the wrong time.
- ❸ Warm moist air from the indoor environment enters the cold attic and condenses.
- ❹ Replacement of the heat source affects the air pressure of the whole house. A chimney that was previously warm is now cold, and there is no longer any "chimney effect".

VENTOVIND™ PRO – THIS IS HOW THE SYSTEM WORKS

VentoVind™ Pro is a method for demand controlled ventilation that guarantees that the ventilation only takes place when it benefits the attic space.

The supply air system ensures ventilation at the right times while establishing a pressure situation in the attic that interrupts moisture travel from the accommodation.

The technology works best if the attic is as well-sealed as possible to ensure that all ventilation occurs via the ventilation system, which in its basic form consists of a supply fan and a mechanical or motorised exhaust air damper.

The supply fan is powered and the rotational speed is controlled through a control unit placed inside the attic.

Sensors that measure the outdoor climate as well as the climate in the attic are also connected to the control unit. The control unit reads off the sensors and determines if the ventilation has a drying effect in the attic. Ventilation is optimised to the ventilation demand for the time and as little energy as possible is consumed.

CORROVENTA'S DIFFERENT PACKAGES FOR VENTOVIND™

VentoVind™ is available for the most common types of installation, but the technology is adaptable and works equally well in small attics as well as large cold attic spaces of several hundred square meters.

► Read more about our different packages on page 68.

VENTOVIND™ PRO

Corroventa's VentoVind™ is a system which provides optimised ventilation in regards to moisture and thereby minimises moisture-related problems such as mould and rot.



VENTOVIND™ PRO

- 1 Supply air 2 Fan unit 3 Control unit 4 Air flow 5 Indoor sensor
6 Exhaust air out 7 HomeVision® Control panel 8 Outdoor sensor

Ventovind™ is a system for demand controlled ventilation, which guarantees that the ventilation only takes place when it benefits the attic space. The supply air system ensures ventilation at the right times while establishing a pressure situation in the attic that interrupts moisture travel from the accommodation.

SOME ADVANTAGES OF VENTOVIND™

- ▶ VentoVind™ ensures that the attic is ventilated at the right time, i.e. when the outdoor air has a drying effect. The system means that amount of ventilation is precisely enough for the attic requirement, while being energy efficient.
- ▶ VentoVind™ creates a controlled climate with optimised ventilation without the supply of energy consuming heating.
- ▶ High quality fan and sensors.
- ▶ Control panel for control and regulation.
- ▶ Log on USB memory stick.

TECHNICAL DATA

Connection	230 V / 50 Hz
Noise level (3 m)	36 dB (A)
Article number PRO Villa	1002778
Article number PRO Villa Large	1002779
Article number PRO Special	-----

OUR DIFFERENT PACKAGES FOR VENTOVIND™ PRO

VENTOVIND™ PRO VILLA

VentoVind™ Pro Villa comes complete with control unit, fan 160 and internal mounting hardware adapted for attics up to 100 m³. Supplied with HomeVision® – wireless control panel for controlling, regulating and monitoring the attic installation.



VENTOVIND™ PRO VILLA LARGE

VentoVind™ Pro Villa Large for attics up to 100-150 m³. Complete with control unit, fan 200 and mounting hardware. Supplied with HomeVision® – wireless control panel for controlling, regulating and monitoring the attic installation.

VENTOVIND™ PRO SPECIAL

For large or complex installations, VentoVind™ Pro can be adapted and dimensioned as necessary.

VENTOVIND™ PRO CONTENT

Control unit VentoVind™ Pro
Fan unit, incl. 15 metre cable
HomeVision® control panel
Bracket for fan
Power cable 220 V, 5 metres
Wall plates, internal
Outdoor climate sensor, incl. 15 metre cable
Indoor climate sensor, incl. 15 metre cable
Collar
Protective cover
Bracket for control unit
Hose clamps
Mounting screws for control unit
Back draft damper
Hose SC
User instructions
Operation and maintenance instructions

VENTOVIND™ PRO SPECIAL

Demand controlled ventilation for apartment buildings and larger attic spaces.



VentoVind™ PRO Special comes complete with control unit, fan, damper and mounting hardware adapted for your project, big or small. Supplied with HomeVision® wireless control panel. VentoVind™ PRO Special has the Modbus RS 485 protocol built-in. This makes the system compatible with other property monitoring systems that are also connected to Modbus for central control and monitoring of your property.

SOME ADVANTAGES OF VENTOVIND™ PRO SPECIAL

- ▶ Custom solutions
- ▶ Wireless control panel
- ▶ Modbus RS 485
- ▶ Motorised dampers



SAFE LIVING ENVIRONMENTS WITH CORROVENTA REAL KNOWLEDGE AND EXPERIENCE IS NEEDED FOR YOUR INSTALLATION TO BE RIGHT AND SUITABLE FOR YOUR HOUSE. THEREFORE WE ONLY WORK WITH RETAILERS WHO ARE PROFESSIONAL AT SOLVING PROBLEMS WITH DAMP, ODOURS AND RADON.

PROPOSALS FOR EFFECTIVE ACTION IN EVENT OF HIGH RADON LEVELS IN THE HOME

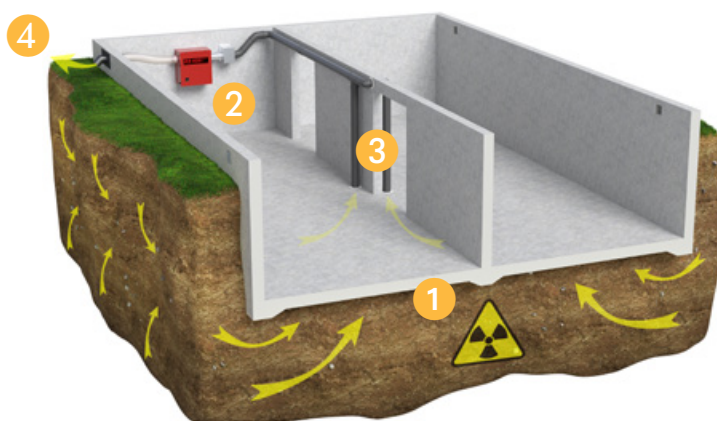
Radon is a radioactive gas that is invisible to the eye and completely odourless. Radon in indoor air is a major health risk, causing a large number of cases of lung cancer every year. According to the World Health Organization (WHO), indoor radon is the second most common cause of lung cancer after smoking.

To guarantee that there are no harmful levels of radon in the living environment, radon measurements must be taken. Measurements are taken during the cold season and should show the radon gas content in the indoor air you breathe. If the measurement shows levels exceeding 200 Bq/m³, an investigation should be carried out to establish the source of the radon gas and thus be able to determine suitable actions. Some important things to consider when choosing between solutions are lifespan and energy consumption and how the installations affect the property as a whole.

LONG EXPERIENCE

Corroventa has experience based on more than 19,000 radon measurements and we have supplied equipment to more than 3000 radon remediation projects. This is something we are happy to share with our customers by providing support in project planning as well as installation and maintenance. We want to give our customers the opportunity to offer effective solutions with the best overall economy.

THIS IS HOW RADON MITIGATION WITH CORROVENTA'S PRODUCTS WORKS. Radon penetrates the residential environment through openings in the house ❶. As a counter measure, a radon extractor ❷ and a pipe system ❸ are installed to create negative pressure under the slab. The radon contaminated air passes the radon extractor and is evacuated out to the surroundings ❹ where it mixes with normal, fresh air.

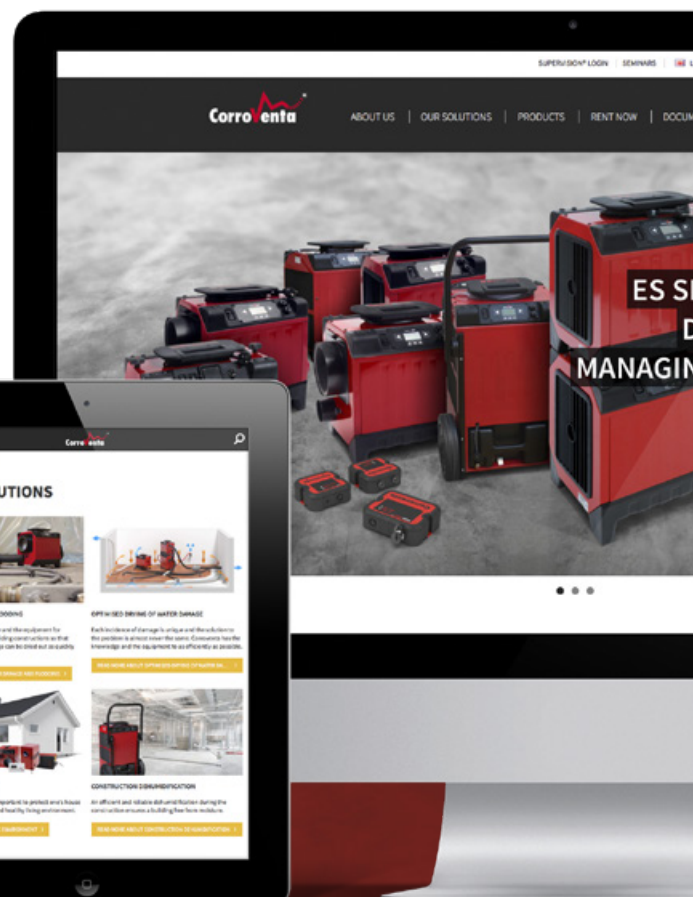


CORROVENTA HAS LONG EXPERIENCE BASED ON MORE THAN 19,000 RADON MEASUREMENTS AND WE HAVE SUPPLIED EQUIPMENT TO MORE THAN 3000 RADON MITIGATION PROJECTS. CALL US ON +44 (0)161-244 95 23 AND SPEAK TO AN EXPERT.



PRODUCTS FOR RADON DECONTAMINATION IN LIVING ENVIRONMENTS

- **Radon extractor RS 100** has been developed for the decontamination of radon in houses with slabs on ground or basements on ground where it is difficult to get air through the material. Because the RS 100 is so powerful, it can be connected to long pipes and is therefore very easy to position.
- **Radon extractor RS 400** has been developed for the decontamination of radon in houses with slabs on the ground or basements on a porous surface. Unlike traditional radon extractors, the fan motor of EC fan type makes radon extraction very energy efficient.
- **Crawl space dehumidifier CTR 300TT2** solves both radon and dehumidifying needs in crawl spaces. The machine is used in cases where radon is coming from the ground in a house with a crawl space. By using the dehumidifier's patented damper solution, the negative pressure in the crawl space can be regulated and at the same time dehumidified energy efficiently.



Read more about
products for living
environments at
corroventa.com

RADON EXTRACTOR RS 100

Radon extractor RS 100 is a very powerful turbine, with an air volume of 80 m³/h and a static pressure of 20,000 Pa.



RS 100 has been developed for the decontamination of radon in houses with slabs on ground or basements on ground where it is difficult to get air through the material. Because the RS 100 is so powerful, it can be connected to long pipes and is therefore very easy to position.

SOME ADVANTAGES OF RADON EXTRACTOR RS 100

- ▶ Extremely powerful and effective against radon coming from the ground
- ▶ Suitable for larger apartment buildings with compact ground conditions
- ▶ Can be connected to pipe (ø100 mm) of up to 50 m in length on the pressure side and pipe (ø100 mm) up to 200 m in length on the suction side.

TECHNICAL DATA

Air volume	80 m³/h
Pressure	20000 Pa
Noise level	45 dB(A)
Rated power	370 W
Connector	50 mm
Normal consumption	200-250 W
Connection	230 V / 50 Hz
Weight	22 kg
Size (L x W x H)	520x350x410 mm
Article number	9920900

CUSTOM SOLUTIONS



Corroventa has experience based on more than 19,000 radon measurements and we have supplied equipment to more than 3000 radon mitigation projects. Our radon extractors are developed for radon mitigation in occupied spaces in houses with slabs on the ground, cellars/ subterranean or crawl spaces. Effective, energy efficient and quiet radon mitigation regardless of whether the building is on a compacted or porous surface.

MOUNTING KIT FOR RADON EXTRACTOR RS 100



Complete mounting kit for quick and neat installation of radon extractor RS 100.

ACCESSORIES

- Mounting kit RS100 (1004630)page 85
- Hose Ø 51 mm (9910721).....page 86
- Filter (9900921)page 89

RADON EXTRACTOR RS 400

Radon extractor RS 400 removes radon extremely effectively, with a continuously variable, free blowing air volume of 50-370 m³//h. It has been developed for the decontamination of radon in houses with slabs on the ground or basements on a porous surface.



Unlike traditional radon extractors, the fan motor of EC fan type in an RS400 makes radon extraction very energy efficient. RS 400 is also suitable for negative pressure ventilation of floor joists in the event of damp and odour problems, because it is quiet, energy efficient and has variable speed control.

SOME ADVANTAGES OF RADON EXTRACTOR RS 400

- ▶ Extremely powerful and effective against radon coming from the ground
- ▶ RS400 has a completely sealed construction with minimal risk of radon leakage indoors.
- ▶ Suitable for single family homes or small buildings with porous ground conditions
- ▶ Can be connected to pipe (ø100 mm) of up to 50 m in length on the pressure side and pipe (ø100 mm) up to 200 m in length on the suction side.
- ▶ Negative pressure under wrapping: 40 m drain hose on the suction hose and 6 m pipe on the pressure side
- ▶ Extremely quiet
- ▶ Equipped with energy efficient EC fan

TECHNICAL DATA

Air volume	50-370 m ³ /h
Pressure	20-500 Pa
Noise level	44 dB(A)
Rated power	105 W
Normal consumption	10-25 W
Connection	230 V / 50 Hz
Weight	15 kg
Size (L x W x H)	445 x 475 x 262 mm
Article number	9920960

CUSTOM SOLUTIONS



Corroventa has experience based on more than 19,000 radon measurements and we have supplied equipment to more than 3000 radon mitigation projects. Our radon extractors are developed for radon mitigation in occupied spaces in houses with slabs on the ground, cellars / subterranean or crawl spaces. Effective, energy efficient and quiet radon mitigation regardless of whether the building is on a compacted or porous surface.

WELL THOUGHT OUT DESIGN



Radon extractor RS 400 has a well thought out design with a hatch for service access. It is very quiet, energy efficient and has stepless speed control.

ACCESSORIES

Filter box (9920961)	page 52
Mounting kit RS400 (9920975)	page 85
Silencer hose Ø100 (9920907)	page 86
Replacement filter for filter box (9920956)	page 88
Cover plate, 10 pack (9920977)	page 92

CRAWLSPACE DEHUMIDIFIER CTR 300TT2

Adsorption dehumidifier for fixed installation in crawl spaces. The dehumidifier is characterised by energy-efficient operation and high performance. For crawl spaces that have problems with both damp and high radon levels, CTR 300TT2 is an ideal machine that solves both problems simultaneously. CTR 300TT2 has among the lowest energy consumptions on the market and is therefore better energy wise than most.



CTR 300TT2 is specially designed for use in crawl spaces, but thanks to our patented damper solution which creates negative pressure in the crawl space, CTR 300TT2 is also suitable for odour and radon decontamination.

SOME ADVANTAGES OF CTR 300TT2

- ▶ Controlled and monitored wirelessly with HomeVision® PRO
- ▶ Designed for foundations up to 200 m³
- ▶ Effective for air and radon decontamination.
- ▶ High quality and long service life
- ▶ Is energy efficient and has low operating costs

COMBINED WITH

HomeVision® PRO.....page 78

ACCESSORIES

Mounting kit TT
Multi (9910590)page 85
Nozzle (9910440)page 92
Replacement filter (9920184)page 89

CONTROL SYSTEM



EASY MONITORING WITH HOMEVISION®

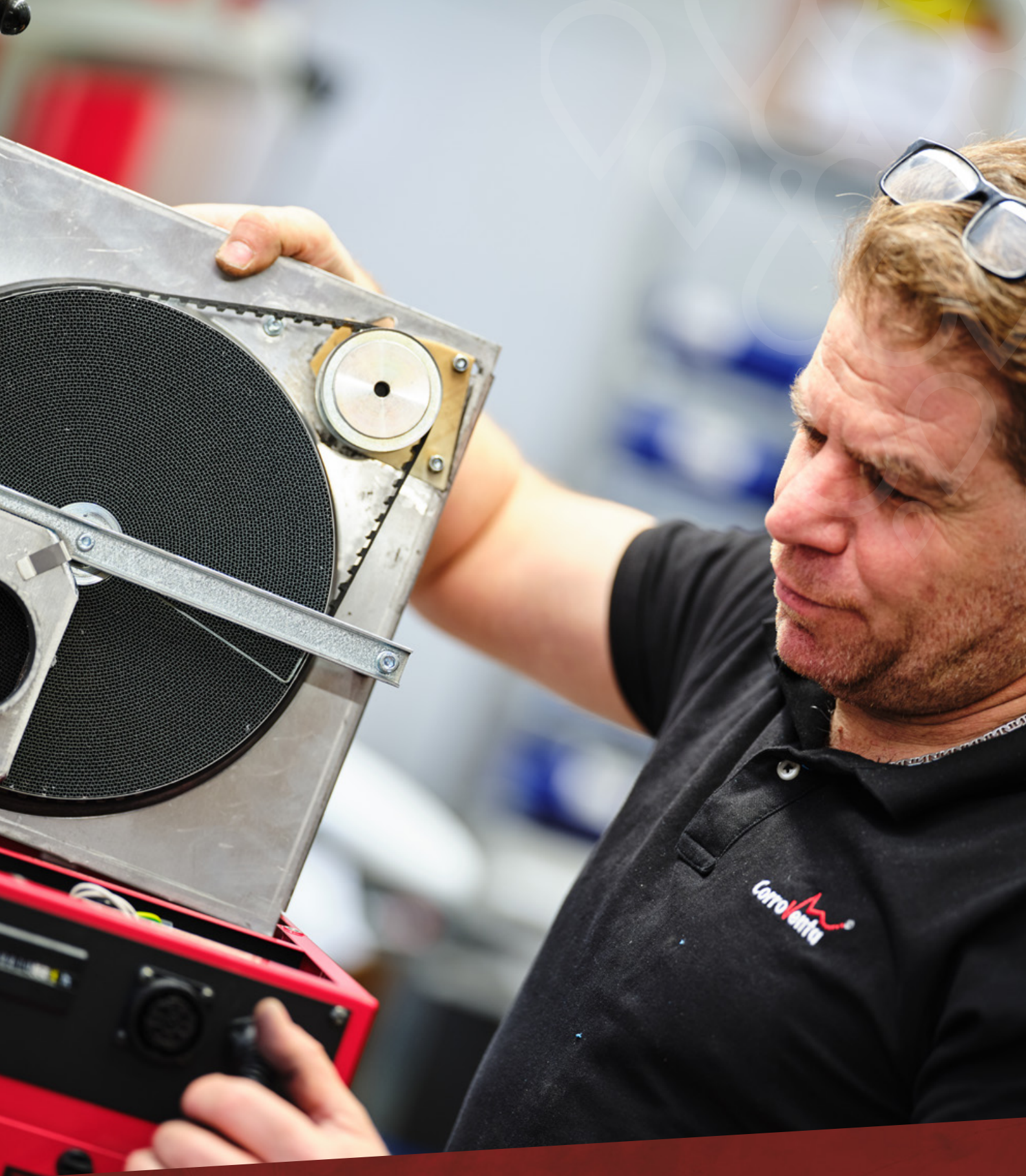
The dehumidifier is controlled and monitored by our HomeVision® system, which consists of a hygrostat placed in the crawl space and a wireless, digital control panel inside the accommodation.



CTR 300TT2 has been part of our range for over 20 years and is one of our faithful servants. Corroventa has developed a complete range of mounting kits for quick, easy and correct installation. The kits contain all the necessary parts.

TECHNICAL DATA

Dry air volume	200-300 m ³ /h
Wet air volume	45-130 m ³ /h
Connection	230 V, 50 Hz
Rated power	1,015 W
Real consumption	Approx. 850 W
Process air inlet	Ø 160 mm
Wet air outlet	Ø 75 mm
Dry air outlet	1x Ø 100 mm + (2x Ø 50 mm)
Noise level (3m)	Approx. 56 dB
Weight	16 kg
Size (L x W x H)	420 x 325 x 360 mm
Overheating protection 3 x	80°C + 90°C + 130°C
Dehumidification capacity at: 20°C / 60% RH	21 l/day
Dehumidification capacity at: 10°C / 60% RH	14 l/day
Dehumidification capacity at: 5°C / 60% RH	12 l/day
Article number	9902900



DAMP, ODOUR AND RADON ARE THE MOST COMMON CAUSES OF NEGATIVE INFLUENCES IN LIVING ENVIRONMENTS, WHICH CAN LEAD TO SERIOUS DAMAGE AND COSTS. FOR THIS REASON, AS A PROPERTY OWNER IT IS IMPORTANT TO PROTECT ONE'S HOUSE IN ORDER TO CREATE A SAFE AND HEALTHY RESIDENTIAL ENVIRONMENT.

CORROVENTA CONTROL SYSTEMS

Control, regulation and monitoring for all types of drying work, as well as water damage restoration and fixed installations.



SUPERVISION®

The SuperVision® control system for Corroventa's ES machines is a groundbreaking solution for drying results, the environment and the overall economy. SuperVision® is used to control and monitor the drying process remotely via computer, mobile phone or tablet.



SuperVision® is a remote control and remote measurement system that complements ES series dehumidifiers and turbines by making them and their data available via the Internet. Each SuperVision® system can monitor up to eight ES machines and gives the user the ability to control and check the drying process quickly and easily without having to go to the site each time. All collected data is stored on a web server where the user can also assign explanatory names for the different measurement points, so that the analysis is made as simple as possible.

The system also offers tools to help generate graphs easily, either to be able to analyse the process or to include them in the project report that the system helps to create. The user can also, if desired, give the customer access to the system so that he/she can follow the development of the drying process.

The system consists of a gateway that connects to the machines as well as two wireless sensor nodes, each with the ability to carry two temperature and RH sensors and a moisture content sensor. For maximum coverage and reliability, the sensor nodes have the capacity to forward each other's messages to gateway, so called MESH technology. A gateway can communicate with up to ten sensor nodes for those who want to expand the system further.

For maximum flexibility, the system uses the mobile phone network to collect data. Installation of the system requires no preparation and does not require Internet access. All information that the user needs is provided by the machines' displays and the SuperVision® units' light indications.

CAN BE COMBINED WITH

A2 ES page 21
A4 ES page 22
A4 ES X page 23
K3 ES HP page 37

K5 ES HP PX page 38
T2 ES page 43
T4 ES page 44
WS4 ES page 49

REMOTE MONITORING



SuperVision® is a well thought-out and user-friendly system that makes it possible to monitor, measure and control the drying process from a computer, smartphone or tablet.

WELL THOUGHT OUT DESIGN



SuperVision® collects data from the drying process through a gateway, which is driven by the dehumidifier. SuperVision® can be used with any product from Corroventa's ES series. Each SuperVision® set-up can control a cell with up to 8 machines.

BASIC PACKAGE CONTENTS

Subscription (24 or 36 months)	1 x
Gateway	1 x
Sensor nodes	2 x
RHT sensors	4 x
Transport box	1 x
RHT sleeves	1 pack
Sealant	1 pack
System cable ES, 0.5 m	1 x
Article number	9911104

HOMEVISION® PRO

The HomeVision® Pro control system is used to control, monitor and follow-up permanently installed dehumidifiers as well as VentoVind™, demand controlled ventilation for attics. In houses and buildings that have a need for both crawl space dehumidification and attic ventilation, a single wireless control panel, HomeVision® Pro, can solve the entire need for regulation and control.



Via the wireless HomeVision® Pro control panel that is placed in the home, users always have access to the current climate and operating status and can, if necessary, easily change the settings of the system. The user is alerted to any operational interruptions through integrated alarm functions and the system also automatically gives a reminder that the annual service is due, all to ensure that function is maintained and that damage to the building is avoided.

The system is flexible and the settings can be adjusted to meet the demand. Dehumidification can be controlled towards a fixed relative humidity alternatively to mould index, which for some installations and conditions can further reduce the energy consumption. The demand controlled ventilation can be used with both standard AC fans and EC fans.

The control panel also presents operating statistics, such as average temperature and average relative humidity for the last twelve months. A log file is created for even more detailed follow-up of the operation, with climate data and the times when settings have been changed. The log file is saved to a USB memory stick, which is installed in the control panel and can then be easily transferred to computers for analysis.

The control panel can connect up to eight control units and can thus offer combined regulation and control of larger installations that require several dehumidifiers or installations that require both a dehumidifier, for a crawl space for example, and demand controlled ventilation for attics.

COMBINED WITH

CTR 300TT2page 62
CTR STD-TT.....page 63

VentoVind™ PROpage 68
VentoVind™ PRO Special.....page 69

FUNCTIONS

Displays % RH setpoint
Displays Δ % RH hysteresis upper
Displays Δ % RH hysteresis lower
Displays Δ % RH alarm level
Continuous fan operation or fan only during dehumidification
Control by mould index
Reset to factory defaults
CSV log file on USB memory
Display of current RH
Display of current temperature
Display fan status On or Off
Display dehumidification On or Off
Display radio signal level
Graphic presentation operating time last 12 months
Graphic presentation average temperature last 12 months
Graphic presentation of mean % RH last 12 months
Error messages
Part number 9910360



REMOTE CONTROL AND MONITORING OF THE DRYING PROCESS SAVES TIME, MONEY AND ENERGY. IT REDUCES THE AMOUNT OF TRAVEL THAT MOISTURE CONTROL TECHNICIANS ARE REQUIRED TO DO TO MONITOR THE PROCESS ON SITE. BECAUSE THE SYSTEM PERMITS TOTAL CONTROL OF THE DRYING PROCESS, THE MACHINES CAN BE SWITCHED OFF REMOTELY AS SOON AS THE DRYING PROCESS IS COMPLETE, WHICH SAVES ENERGY AND COSTS.

CONTROL PANEL

The control system is used to achieve controlled dehumidification in crawl spaces. Control, regulation and monitoring of the crawl space installation occurs via a hygrostat connected to the dehumidifier in the space and a control panel in the living area.



THIS IS HOW IT WORKS

The crawlspace dehumidifier is controlled by a hygrostat that is located in the crawl space where the conditions are considered suitable or particularly critical. For additional monitoring a control panel (indicator box) is positioned in the living area where the indicator lamps, for example, display if the relative humidity in the crawl space is OK or too high, if the installation is functioning or if there have been any interruptions to operation.

COMBINED WITH

CTR 500TTpage 64

TECHNICAL DATA

Article number	9910360
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HYGROSTAT HR1-5

Hygrostat that primarily fits Corroventa's analogue dehumidifier* for damage drying. Used during drying when the conditions are considered sensitive or particularly critical. The well-tries design with few moving parts ensures excellent reliability and accuracy.

* An adapter cable is required for ES series machines. However, a hygrostat is usually not needed for the ES machines, as they already have an integrated sensor.



TECHNICAL DATA

Hygrostat HR1-5	
Connection cable	5 m
Setpoint	10-90% RH
Size (L x W x H)	83 x 136 x 37 mm
Article number	9901100

SYSTEM CABLE ES 0.5 / 5M

System cable used to connect ES-series equipment as well as the SuperVision® control system.



TECHNICAL DATA

System cable, 0.5 m

Article number	1002749
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System cable 5 m

Article number	1002748
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EXTERNAL RHT-SENSOR

A sensor that measures both temperature and relative humidity. Suitable for adsorption and condensing dryers in the ES series. 5 m cable.



TECHNICAL DATA

Article number	1002817
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CORROVENTA

HOSE SYSTEMS & ACCESSORIES



HOSE SYSTEM C16

Flexible and user friendly for pressure or suction drying. The C16 hose system is installed using 10 outlets that give quick, simple and sealed installation.



Article number: 1002770

CONTENTS



Hose system C16 comes in a practical bag containing the following components:

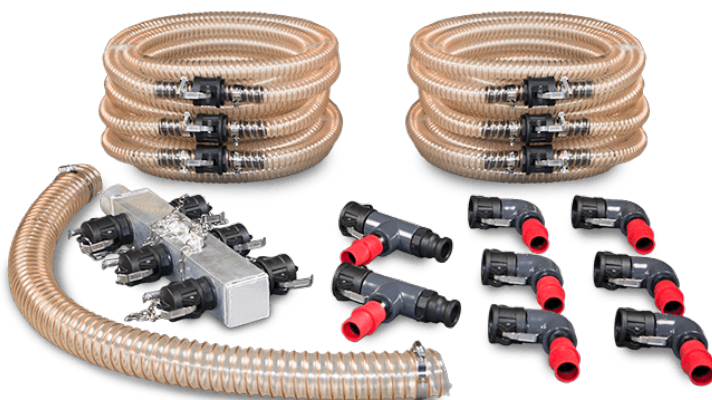
Junction box 10x16	1 x
Joint coupling angle Ø16	10 x
T-connector Ø16	2 x
Insertion hose	12 x
Hose 50 m	1 x

ACCESSORIES

Hose adapter (9910750) page 87

HOSE SYSTEM C25

Flexible and user friendly for pressure or suction drying. The hoses are fitted with pipe bends or T couplings which are pressed into pre-drilled holes. A rubber connector seals between the hole and the protrusion. The hose system is installed using connectors that give quick, simple and sealed installation.



Article number: 1003706

CONTENTS



Hose system C25 comes in a practical bag or box containing the following components:

C25 junction box 6 x 25 mm m. 6 covers (9910726)	1 x
Connection hose Ø50 mm (9910089)	1 x
Hose clamp 44-56 mm (9900737)	2 x
T-connector (9910724)	2 x
Nozzle (9910440)	8 x
Joint coupling angle Ø25 mm (9910722)	6 x
Hose Ø25 mm, 4 m incl. coupling (9910725)	6 x

MOUNTING KITS FOR CRAWL SPACES

MOUNTING KIT 500TT UNIVERSAL

Complete mounting kit for mounting and suspension of crawl space dehumidifier CTR 500TT.



Packaged in cardboard box with pipe lead-ins, silencer hose and drilling template for bracket mounting.

Article number: 9910575

MOUNTING KIT TT Multi

Complete mounting kit for mounting and suspension of crawl space dehumidifier STD-TT and 300TT2.



Packaged in cardboard box with pipe lead-ins, silencer hose and drilling template for bracket mounting.

Article number: 9910590

MOUNTING KITS FOR RADON EXTRACTORS

MOUNTING KIT FOR RS 400

Complete mounting kit for mounting and suspension of radon extractor RS 400.



Packaged in cardboard box with wall panel for pipe lead-ins, hose and hose clamps.

Article number: 9920975

MOUNTING KIT FOR RS 100

Complete mounting kit for quick and neat installation of radon extractor RS 100.



Contains wall brackets with associated drilling template, hose clamps, hose, silencer and wall grommet with wall plate and screws for mounting. Supplied in box.

Article number: 1004630

SILENCERS

SILENCER

Effective noise damping. Large silencing of blowing noise during pressure or suction drying with the turbine or combi machine.



The silencer is sealed and also works for radon extractor RS100. Connection diameter Ø50 mm.

Article number: 9920901

SILENCER HOSE Ø160

Flexible silencer that is mounted on the process air connection to avoid any blowing noise.



Maximum length 0.6 metres.

Article number: 9910136

SILENCER HOSE Ø80/Ø100

Flexible silencer that is mounted to avoid any blowing noise.



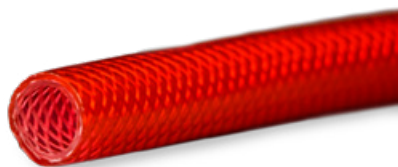
Maximum length 1.2 metres.

Article number Ø80: 9910405
Article number Ø100: 9920907

HOSES

HOSE 50 M

Hose for C16 hose system as well as WS4. For distribution of air and liquid.



Article number: 9910753

HOSE Ø 51 FOR BRIDGING

Hose Ø51mm for bridging connectors. Length 350 mm.



Article number: 9921123

HOSE Ø51

Hose Ø51mm for distribution of air and liquid.



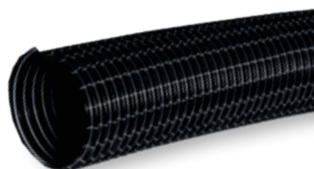
Very light and flexible with smooth interior. The hose has a small curve radius. Suitable for use for pressure and suction drying.

Article number: 9910721

HOSES

HOSE Ø80

Hose Ø80 mm for distribution of air and liquid.



Suitable for use with installations for radon decontamination.

Article number: 9910087

HOSE Ø82

Very light and flexible hose for temporary wet and dry air distribution.



Supplied in compressed packaging. Length 6 metres.

Article number: 9910145

HOSE Ø102

Very light and flexible hose for temporary wet and dry air distribution



Supplied in compressed packaging. Length 6 metres.

Article number: 9910141

HOSE COUPLING MALE WS4



Article number: 6000341

HOSE COUPLING FEMALE WS4



Article number: 6000342

HOSE ADAPTER C16

Makes it possible to connect hose system C16 directly to the machine.



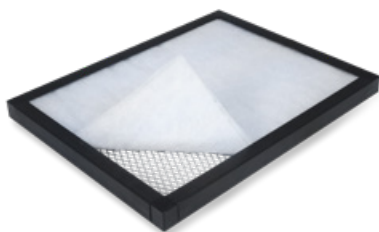
Hose system C16 is designed to be connected to the junction box in hose system C25. The adapter works on all turbine and combi machines.

Article number: 9910750

EXCHANGE DETAILS

COARSE FILTER FRAME & FILTER

Coarse filter frame for Flexifilter HEPA H13. Incl. filter H13.



Article number: 9920858

FILTER CASSETTE H13

Replacement filter cassette for Flexifilter HEPA H13.

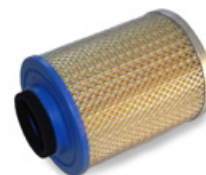


H13 class, filtration efficiency exceeding 99.95% up to 1080 m3/h. Carbon filter for reducing bad odours.

Article number: 9920853

FINE FILTER H13

Replacement filter for Corrofilter Inline H13 (red).



Article number: 9910610

FINE FILTER INLINE

Replacement filter for Corrofilter Inline (grey) and water separator.



Article number: 9910603

REPLACEMENT FILTER FILTER BOX

Replacement filter suitable for Corroventa's Filter box.



Article number: 9920956

REPLACEMENT FILTER 1000926

Replacement filter suitable for crawl space dehumidifier CTR STD-TT.



Size: 250 x 265 mm

Article number: 1000926

EXCHANGE DETAILS

REPLACEMENT FILTER 9900208

Replacement filter for adsorption dehumidifier CTR 500XT.



Size 170 x 310 mm

Article number: 9900208

REPLACEMENT FILTER 9900921

Replacement filter suitable for Radon extractor RS 100 as well as Turbine CTR T100XT and CTR T150XT.



Size: 360 x 145 mm

Article number: 9900921

REPLACEMENT FILTER 9920184

Replacement filter suitable for multiple dehumidifiers and combi machines.



Suitable for adsorption dehumidifiers CTR 150XT and CTR 300XT, Combi machines CTR K100XT and CTR K150XT as well as Crawl space dehumidifier CTR 300TT2.

Size: 180 x 235 mm

Article number: 9920184

REPLACEMENT FILTER 9921406

Replacement filter suitable for combi machine CTR K50XT.



Size: 130 x 200 mm

Article number: 9921406

REPLACEMENT FILTER 9905556

Replacement filter suitable for adsorption dehumidifier A50 TD2



Size: 430x430

Article number: 9905556

EXCHANGE DETAILS

REPLACEMENT FILTER 1002720

Replacement filter suitable for adsorption dehumidifiers A2 ES, A4 ES and A4 ES X.



Article number: 1002720

REPLACEMENT FILTER 1001238

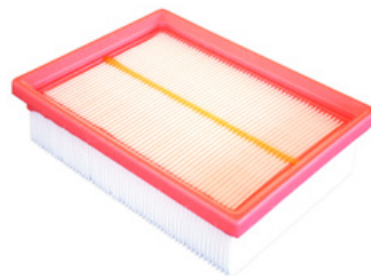
Replacement filter suitable for turbines T2, T2 ES and T4 ES.



Article number: 1001238

REPLACEMENT FILTER 6000371

Replacement filter suitable for turbines T2, T2 ES and T4 ES.



Article number: 6000371

REPLACEMENT FILTER 1004493

Replacement filter suitable for adsorption dehumidifier A1.



Size: 170 x 160 mm

Article number: 1004493

REPLACEMENT FILTER 1004010

Replacement filter suitable for adsorption dehumidifier L4.



Size: 360 x 290 mm

Article number: 1004010

REPLACEMENT FILTER 9905558

Replacement filter suitable for adsorption dehumidifier A50 TD2



Size: 590 x 940 mm

Article number: 9905558

EXCHANGE DETAILS

REPLACEMENT FILTER 9905110

Replacement filter suitable for adsorption dehumidifier CTR 10000.



Size 450 x 450 mm

Article number: 9905110

REPLACEMENT FILTER 9905111

Replacement filter suitable for adsorption dehumidifier CTR 10000.



Size: 590 x 940 mm

Article number: 9905111

REPLACEMENT FILTER 1002412

Replacement filter suitable for K3-series condensing dryers.



Size: 319 x 287 mm

Article number: 1002412

REPLACEMENT FILTER 1002406

Replacement filter condensation. Suitable for condensing dryers K3 ES HP and K3 HP.



Size: 208 x 99 mm

Article number: 1002406

CONDENSATION FILTER 1003146

Suitable for condensing dryers K3 HPB, K5 HP PX and K5 ES HP PX.



Size: 246 x 85 mm

Article number: 1003146

REPLACEMENT FILTER 1002827

Replacement filter suitable for K5-series condensing dryers.



Size: 380 x 318.6 mm

Article number: 1002827

MOUNTING HARDWARE

NOZZLE Ø29 mm

To obtain an optimal installation with even distribution of dry air in the hose and spiral system.



Article number: 9910440

MOUNTING PLATE

Mounting plate for hanging crawl space dehumidifiers and radon extractors.



Article number: 9920911

TENSIONER STRAP

Tensioner strap used together with the mounting plate for hanging crawl space dehumidifiers and radon extractors.



Article number: 9920912

COVER PLATE 100/180 mm

Cover plate for 100 mm pipes. Gives a neat and professional result when routing pipes through walls.



The cover ring is equipped with a split groove which makes it simple to install on existing pipe systems.

Article number: 9920977

QUICK CLAMPS

Quick clamps for connectors. Use different diameters depending on connector size.



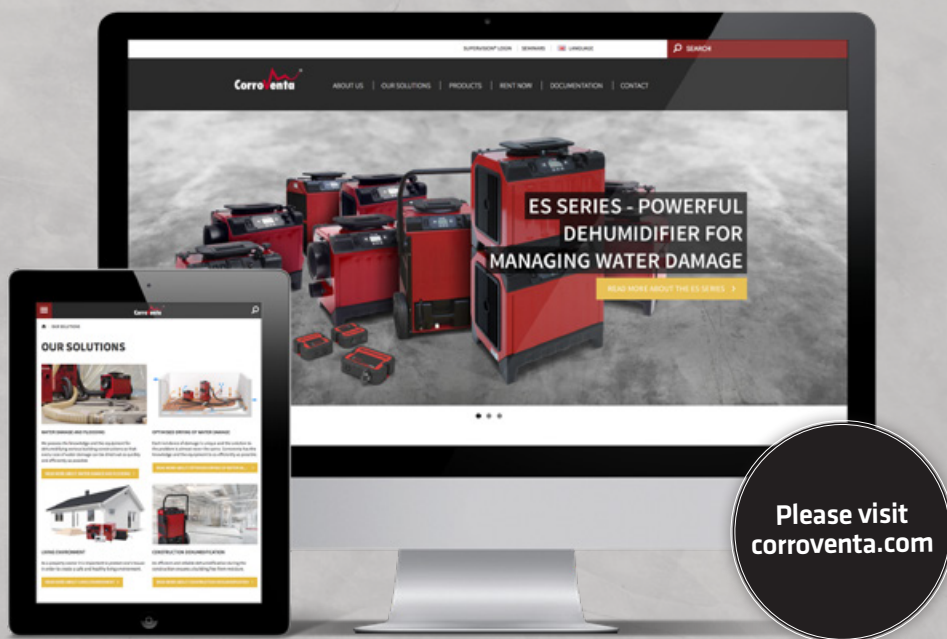
Article number:
 Ø 48-54 mm 9900795
 Ø 74-81 mm 9900797
 Ø 97-102 mm 9900799

FILLER PIPE 80 x 75

Used for the wet air exhaust to size up to 80 mm so that it fits Acu-Comp 80 mm.



Article number: 9910159



DO YOU HAVE ANY QUESTIONS OR DO YOU NEED ASSISTANCE?

Please visit www.corroventa.com or call us to speak to an expert. We have the knowledge and the equipment to find a solution as efficiently as possible.

Corroventa develops, manufactures, sells and hires out high quality products for dealing with water damage, moisture, odours and radon. We are one of the market leaders and specialise in innovation within the industry. Our products are compact, effective, ergonomic and energy efficient. In emergency situations and during flooding, Corroventa's customers have access to one of the largest rental parks in Europe. We have sales offices and machine depots in several locations throughout Europe. All our manufacturing takes place in Bankeryd, Sweden.

www.corroventa.com



Corroventa®

CORROVENTA LTD

Unit 47, Melford Court, Hardwick Grange, Warrington
England, WA1 4RZ • Tel +46 (0)161-2449523