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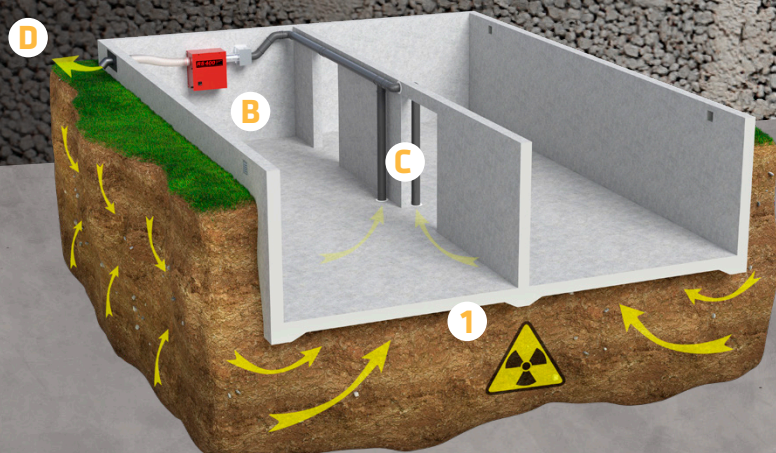
# EFFECTIVE SOLUTIONS FOR RADON AND MOISTURE CONTROL

FOR A HEALTHY  
LIVING ENVIRONMENT



**CorroVenta**<sup>®</sup>





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



# EFFECTIVE ACTION IN EVENT OF HIGH RADON LEVELS IN RESIDENTIAL ENVIRONMENTS

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 throughout Europe every year. According to WHO, indoor radon is the second most common cause of lung cancer after smoking.

The first step in guaranteeing that there are no harmful levels of radon in the residential environment is to carry out radon measurements. If the measurements show low levels of radon, it guarantees and documents a safe home, free from increased levels of radon in the indoor air.

On the other hand, if the measurement shows levels exceeding  $200 \text{ Bq/m}^3$ , an investigation and measurement should be carried out in the property, to guarantee the radon remediation measures implemented

using the correct methods and materials.

## LONG EXPERIENCE

Corroventa has long experience based on more than 19,000 radon measurements and we have supplied equipment to more than 3000 radon remediation projects.

We have great knowledge and experience that we use to plan effective solutions with good overall economy for our customers.



*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.*



## PRODUCTS FOR RADON REMEDIATION IN RESIDENTIAL ENVIRONMENTS

- ▶ The RS 100 radon extractor 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.
- ▶ The RS 400 Radon extractor 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 is specially designed for use in crawl spaces where the requirements are for robustness, operational safety 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.



# RS 100 – POWERFUL RADON EXTRACTOR EFFECTIVE AGAINST GROUND RADON

Radon extractor RS 100 is a very powerful turbine, with an air volume of 80 m<sup>3</sup>/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.

## ADVANTAGES OF RADON EXTRACTOR RS 100

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



Complete mounting kit for mounting and suspension of radon extractor RS100 on walls or roofs.



Radon extractor RS 100

## TECHNICAL DATA

Air volume	80 m <sup>3</sup> /h
Pressure	20000 Pa
Noise level	45 dB(A)
Connection output	370 W
Normal consumption	200-250 W
Connection	230 V / 50 Hz
Weight	22 kg
Size (L x W x H)	520x350x410 mm
Part number	20900



# RS 400 – EXTREMELY QUIET AND ENERGY EFFICIENT RADON EXTRACTOR

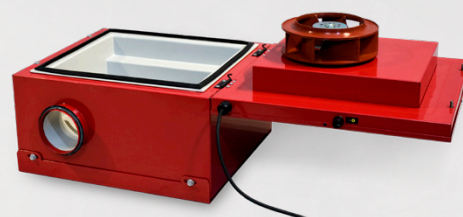
Radon extractor RS 400 removes radon extremely effectively, with a variable, controllable, free blowing air volume of 50-370 m<sup>3</sup>/h. It has been developed for the decontamination of radon in houses with slabs on the ground or basements on a porous surface.

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.

## ADVANTAGES OF RADON EXTRACTOR RS 400

- ▶ Extremely powerful and effective against ground radon.
- ▶ Suitable for single family homes or small buildings with porous ground conditions.
- ▶ Can be connected to up to 6 m of pipe on the pressure side and up to 30 m of pipe 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.



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

## TECHNICAL DATA

Air volume	50-370 m <sup>3</sup> /h
Pressure	20-500 Pa
Connection output	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
Part number	20960



Radon extractor RS 400



# CTR 300TT2 – CRAWLSPACE DEHUMIDIFIER WITH LONG SERVICE LIFE

Adsorption dehumidifier for fixed installation in crawl spaces, with a dry air volume of up to 300 m<sup>3</sup>/h. CTR 300TT2 has the market's lowest energy consumption and is therefore superbly energy efficient.

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.

CTR 300TT2 has been part of our range for over 15 years and is one of our faithful servants.

## ADVANTAGES OF CTR 300TT

- ▶ Controlled and monitored with HomeVision®.
- ▶ Designed for foundations up to 200 m<sup>3</sup>.
- ▶ Effective for air, odour and radon decontamination.
- ▶ High quality and long service life.
- ▶ Is energy efficient and has low operating costs.

## 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.



## TECHNICAL DATA

Dry air volume	200-300 m <sup>3</sup> /h
Humid air volume	45-130 m <sup>3</sup> /h
Connection	230 V, 50 Hz
Connection output	1,015 W
Actual 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
Drying capacity at: 20°C / 60% RH	21 l/day
Drying capacity at: 10°C / 60% RH	14 l/day
Drying capacity at: 5°C / 60% RH	12 l/day
Part number	02900



Crawlspace dehumidifier CTR 300TT2





**CORROVENTA HAS LONG EXPERIENCE BASED ON MORE THAN 19,000 RADON MEASUREMENTS AND WE HAVE SUPPLIED EQUIPMENT TO MORE THAN 3000 RADON REMEDIATION PROJECTS. CALL US ON +46 (0)36-37 12 00 AND SPEAK TO AN EXPERT.**





BUY



RENT



MACHINE POOL



LEASING

## FOUR BUSINESS MODELS – FIND A SOLUTION THAT SUITS YOU

**Being a partner to Corroventa opens the way for flexible collaboration. Our four business models are designed to create the best possible solution for our partners.**

- ▶ Purchasing the equipment with custom warranties, service and support agreements.
- ▶ Renting for a limited period, for example to get machines during a high load.

- ▶ Machine Pool. The customer retains the machine for a long period, which makes work easier for both parties and the transport is reduced.
- ▶ Leasing



## DO YOU HAVE ANY QUESTIONS OR DO YOU NEED OUR SUPPORT?

**Please visit [www.corroventa.com](http://www.corroventa.com) or call us at +44 (0)161-244 95 23 and 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](http://www.corroventa.com)



**Corroventa**®

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