



# HEALTHY HUMIDITY FOR YOUR HOME

Compact steam humidifier  
Condair RH



Air humidification, dehumidification  
and evaporative cooling

 **condair**





## Healthy Humidity for Your Home: 40- 60% RH

Humidity has a significant impact on your health, mood and ability to concentrate.

The innovative Condair RH Compact Steam Humidifier allows you to achieve healthy room humidity at home. Optimal humidity that you will feel but will not see or hear.

## Promote health, because when the humidity level is right, your body is protected

For people, dry air is not just unpleasant, it can even be dangerous. This is because dry air draws moisture from the skin, eyes and mucous membranes, where it is needed for organic functions. Dryness in the throat, hoarseness and the urge to cough are symptoms caused by excessively dry indoor air.

### Dry eyes

Eyes are particularly sensitive to dry indoor air. The tear film has the task of protecting the eye's surface from environmental influences. If it dries out, this protection is gone. This can result in irritation and inflammation of the eyes.

### Dry skin

The fact that dry air draws moisture from the skin is a well-known problem, especially in winter. Lips become chapped, fingers and the backs of hands dry and cracked. In extreme cases, the skin can even crack and become inflamed.

### Risk of infection

Coughing or sneezing spreads virus-laden droplets (aerosols) in the indoor air. These can remain suspended in the air for hours. The longer they remain in the air, the higher the risk of infection. This is directly influenced by the air humidity.

If the humidity is in the ideal range between 40 and 60%, most pathogens cannot survive and are deactivated. Therefore, with the right humidity, the risk of inhaling infectious aerosols is significantly lower and the risk of infection is reduced.

### Immune system of the mucous membranes of the respiratory tract

The mucous membranes of the respiratory

tract play an important role in the immune system. Inhaled foreign bodies and pathogens stick to it and are thus prevented from further penetrating the body. Underneath the mucous layer, there are tiny cilia that pulse about 450 to 900 times per minute and constantly push the mucous layer towards the throat like a conveyor belt. The mucus, together with the viruses and bacteria it contains, is finally swallowed and thus rendered harmless.

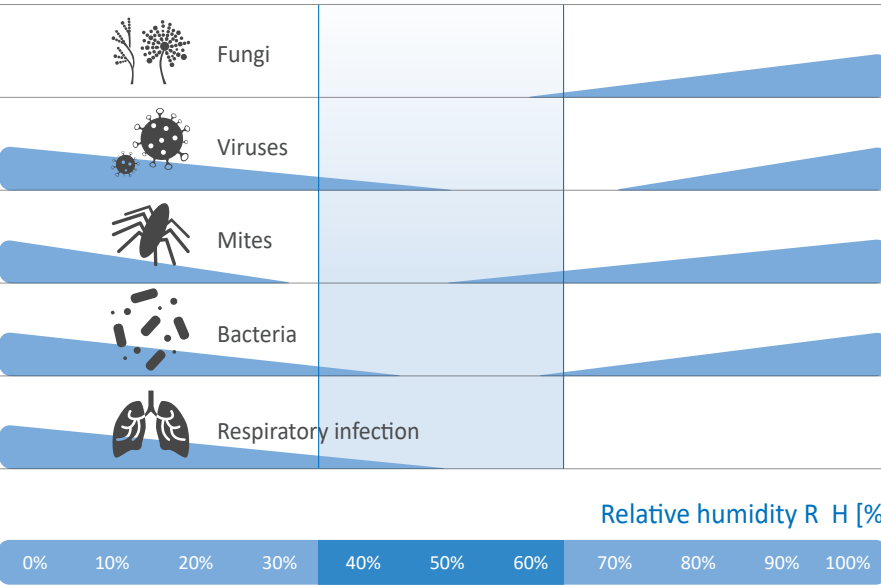
However, this requires a moist, flowable layer of mucus. In dry air, the mucus layer also dries out. On the one hand, it becomes hard and tough, so that it can no longer be moved by the cilia. On the other hand, fewer and fewer pathogens adhere to it. If the air in the room is too dry, this key function of

the immune system no longer works. The amount of germs, viruses and bacteria to which the organism is exposed increases dramatically with increasing dryness.

### Scofield/Sterling chart

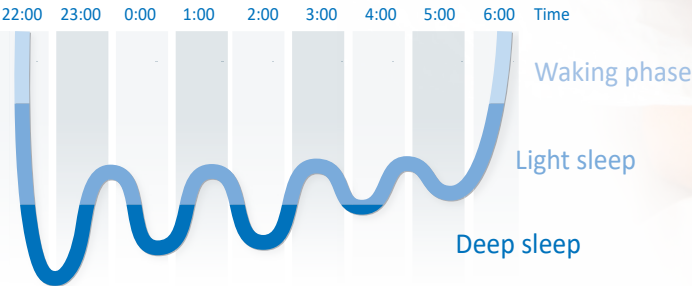
The Scofield/Sterling chart also shows very clearly that the pollution of the air with undesirable microorganisms as well as the occurrence of specific disease symptoms in the range of 40- 60 % relative humidity is the lowest for humans.

### Scofield/Sterling Chart



You can only reach your full mental and physical potential during the day if your body can regenerate at night. A good indoor climate with the correct humidity plays a significant role here.

Dry air in the bedroom results in strain to the airways and causes coughing during the night, which interrupts sleep phases and reduces sleep quality.



Whether old or young, dry indoor air removes moisture from our body and leads to a variety of complaints. Cracked, dry skin, dry eyes and the urge to cough are usually noticed straight away.

Among the far less well-known effects is the fact that an optimal room humidity between 40 and 60% RH significantly reduces the risk of infection by aerosols in our room air, strengthens our immune system and makes an important contribution to faster recovery.



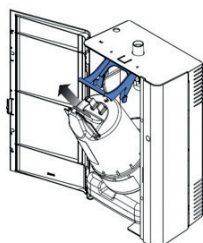
# Compact Steam Humidifier

## Condair RH

### Easy maintenance thanks to unique lever mechanism

The heating process takes place in a removable cylinder in which all minerals and impurities remain. Replacing the cylinder is easy.

The Condair RH has a replacement mechanism that is unique in the industry and enables steam cylinder replacement quickly, easily and without the need for tools.



### Secure installation

The DVGW-certified design of the Condair RH Steam Humidifier is suitable for direct connection to the existing drinking water network.



### Easy control via smartphone app using WiFi

The Condair RH Compact Steam Humidifier can be remotely controlled and monitored via smartphone app. This provides you with maximum control over the device at all times.

Commissioning the device and setting its parameters may be carried out online and easily booked via a booking portal. In the event of a device malfunction, an initial analysis can even be carried out online, potentially making house calls by a service technician unnecessary.



App for iOS



App for Android

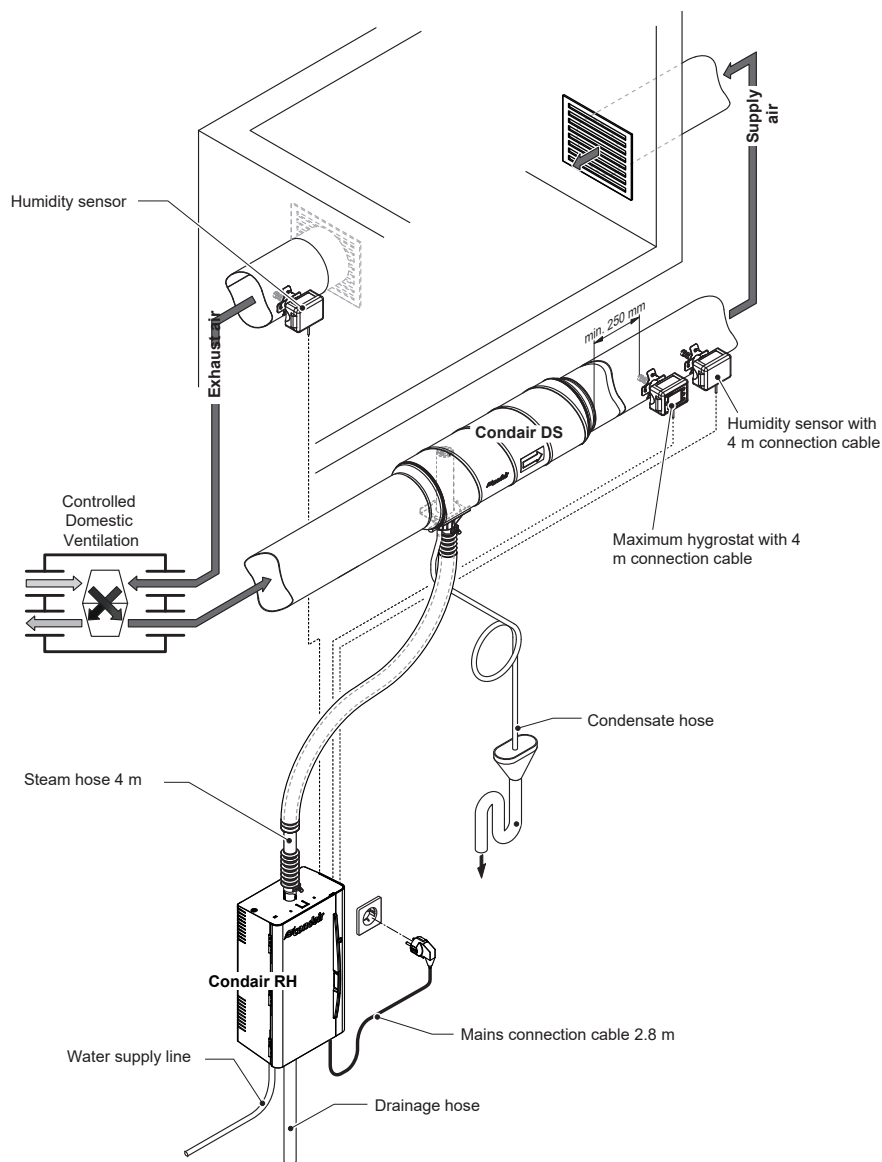
## Comprehensive mounting package

The Condair RH comes with a comprehensive mounting package, so there is usually no need to purchase additional mounting material.

The mounting package includes all sensors required for automatic control, 180 mm by 160 mm pipe transition pieces as well as additional hose material for the steam line and water supply and drainage lines.

### The mounting package includes:

- RH humidifier 1.8 kg/h
- Connection cable (3 m) with plug
- DS steam distribution system
- DS22 steam hose (4 m)
- KS10 condensate hose (4 m)
- Humidity channel sensor (CDC-SL), fully wired (4 m) with plug
- Limit sensor (CDC-SL), fully wired (4 m) with plug
- Maximum hygrostat (CHD-S), fully wired (4 m) with plug
- Water inlet hose
- Armoured hose (for G3/4"-G3/4" 90° L1500)
- Drainage hose (2.5 m)
- Operating instructions
- Mounting material



## Technical Data

Condair RH	
Dimensions H × W × D (mm)	467 × 265 × 175
Net weight / operating weight (kg)	6.0 / 9.5
Steam output (kg/h)	1.8
Rated output (kW)	1.35
Voltages	230 V 1 / 50 ... 60 Hz
Certificates	DVGW-certified water cup, CE, VDE