



## SMALL AND MICRO-FINE

The DRAABE NanoFog Evolution and  
DRAABE NanoFog Sens humidification system



 **condair**

# THE BENEFITS TO YOU

## THE DRAABE NANOFOG HUMIDIFICATION SYSTEM

For all applications where the important thing is to ensure micro-fine atomisation, low operating noise and an attractive design, DRAABE NanoFog Evolution and DRAABE NanoFog Sens are exactly the right system. The dimensions of the DRAABE NanoFog atomiser are reduced to a minimum, offering the most discreet and unobtrusive integration into the space. Whether for small rooms, low ceilings, low humidity requirements or sensitive production and working spaces – DRAABE NanoFog Evolution and DRAABE NanoFog Sens generate the optimum room humidity almost invisibly.



### Extremely quiet

A completely new nozzle technology ensures that noise levels are below the recommended maximum, allowing you to concentrate on your work in the office.

### Nano-fine atomisation

The special nano-nozzles produce a spray pattern that is absorbed invisibly into the room air within a few fractions of a second for maximum effectiveness.

### Absolute hygiene

The unique DRAABE full service maintenance approach guarantees 100 % hygiene, excellent reliability and high performance on the part of the DRAABE NanoFog atomisers.

### Minimal dimensions

The DRAABE NanoFog atomiser is as small as a fist and fits inconspicuously in any room design.

### Positioning as required

The atomisers can be adjusted horizontally and vertically to allow the right positioning for any room.

### Compatible

The DRAABE NanoFog Evolution and DRAABE NanoFog Sens can be combined with all DRAABE high-pressure atomisers.





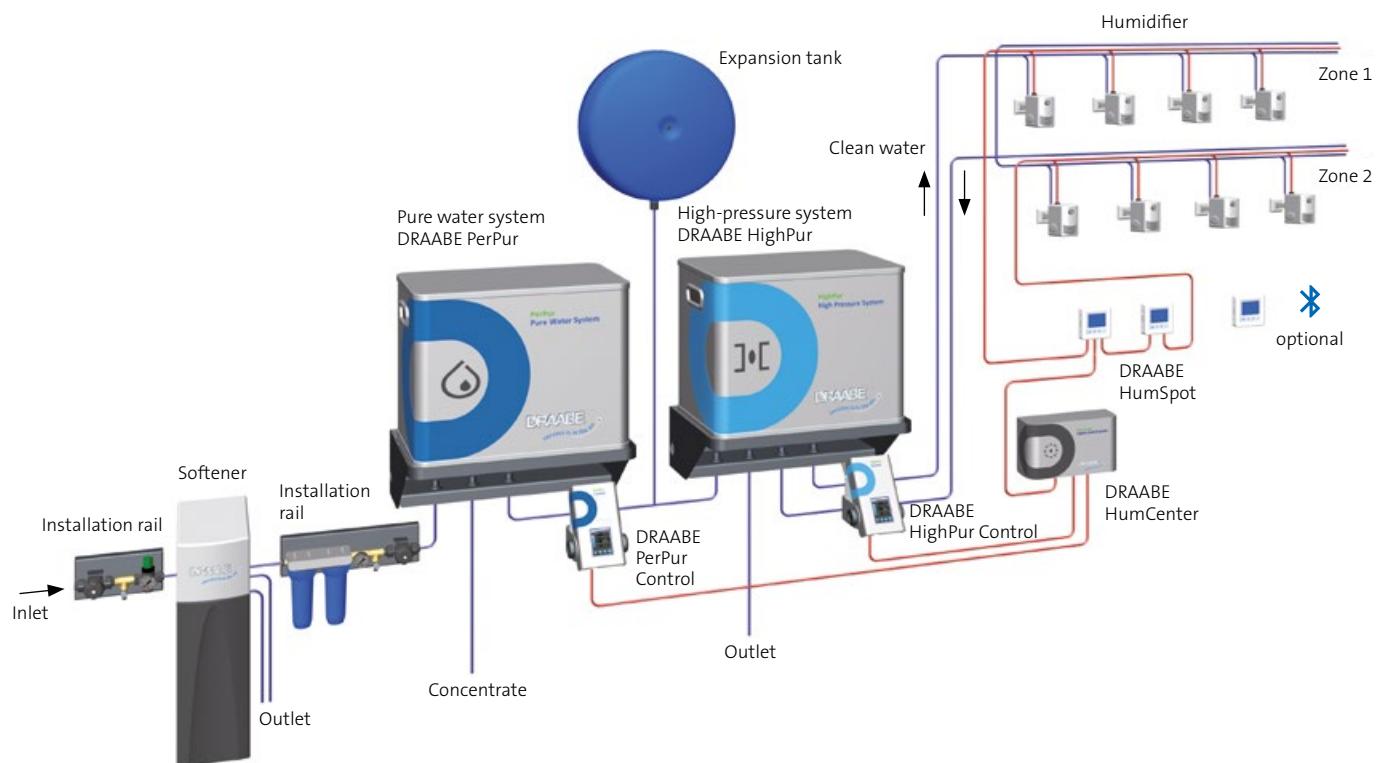
DRAABE NanoFogSens

DRAABE NanoFogEvolution

# THE SYSTEM

## THE DRAABE NANOFOG HUMIDIFICATION SYSTEM

The DRAABE NanoFog humidification system is specially designed for sensitive applications and is therefore ideally suited for offices. It is energy-efficient, easy to retrofit and can be used without an air conditioning system. Both the DRAABE NanoFog Evolution and the DRAABE NanoFog Sens are equipped with high-pressure nozzles that release a micro-fine mist directly into the room air. The DRAABE NanoFog Sens is particularly suited to very sensitive applications with lower humidity requirements, complex floor plans and high requirements for a quiet environment.



Technical details	DRAABE NanoFog Sens	DRAABE NanoFog Evolution
Max output*	1.5 kg/h	3 kg/h
Operating pressure	85 bar	
Droplet size (Sauter)	< 15 µ	
Control range	10–90 % relative humidity	
Voltage	230 VAC, 24 VDC	
Power consumption	8 W	
Weight	400 g	

\*The performance depends on the nozzle used.



DRAABE NanoFogSens

DRAABE NanoFogEvolution

# PURE WATER AND HIGH PRESSURE

## THE DRAABE NANOFOG HUMIDIFICATION SYSTEM



### **The right water is the key**

For smooth and 100% hygienic operation of the DRAABE NanoFog humidification system, the DRAABE PerPur system produces pure water. Minerals and the finest impurities are filtered out and are conveyed as concentrate.

### **Benefits**

- No lime scale deposits in conduits and jets
- Minimal amount of mineral discharge into the air
- Constant output



### **Under pressure...**

The key component of the DRAABE high-pressure air humidification system is the centrally installed high pressure system DRAABE HighPur. With an operating pressure of 85 bar, the system creates a pulsating hydrologic flow which in turn creates the micro-fine, absolutely droplet-free pure water atomisation.

### **Benefits**

- Low operating costs and efficient use of resources
- Better health protection through automated hygiene functions
- Micro-fine pure water atomisation



### **Don't worry about a thing ...**

Thanks to the full-service rental system, the DRAABE Pur systems are automatically maintained every six months. Every 6-8 months, users of DRAABE air humidification receive a fully inspected and disinfected replacement device without having to take care of maintenance themselves.

### **Benefits**

- 100% hygiene
- Life-long guarantee
- Consistent state-of-the-art technology



Green & lean

DRAABE HighPur

DRAABE PerPur

# DIGITAL CONTROL

## THE DRAABE NANOFOG HUMIDIFICATION SYSTEM



### DRAABE HumSpot

The DRAABE HumSpot controls and monitors the humidification of the individual zones (e.g. rooms and working areas). The simple menu navigation guarantees a high level of operating ease and comfort.

### The benefits to you

- Precise activation of the humidifiers when the humidity falls below the setpoint
- High level of measuring precision thanks to digital, capacitive humidity analysis technology
- Continuous status display of relative humidity and room temperature
- Wireless version (optional) for easy retrofitting

### DRAABE HumCenter

As the central data centre for the entire air humidification system, the DRAABE HumCenter monitors and analyses all humidification zones and the functions of all DRAABE Pur containers.

### The benefits to you

- High level of reliability due to continuous status monitoring of all zones and DRAABE Pur systems
- Monitoring of maintenance instructions
- Extensive analysis functions thanks to long-term data storage
- Connection and data transfer to the building services management system (BACnet) is possible



DRAABE HumSpot

DRAABE HumCenter

# HYGIENE AND SAFETY

## THE DRAABE NANOFOG HUMIDIFICATION SYSTEM



### Expert advice

In an initial consultation with our specialists, the objectives are defined, the technical alternatives are presented and discussed, and a water analysis is carried out.



### Individual planning

Your individual system is planned and drawn with CAD in our planning department. You then receive your customised quote.



### Don't worry about a thing ...

Our customer service puts your system into operation, teaches your staff how to use it and creates a log. From then on, you will receive professional and reliable support under your service agreement.

### Trust is good – certification is better!

As the first system for direct room air humidification, DRAABE air humidification is certified to the new VDI Standard 6022 Sheet 6. This standard defines the best available technology and practices with respect to the planning, installation, operation and maintenance of decentralised humidification systems, which means that installed DRAABE systems can be tested and certified on site by the operator in accordance with VDI requirements. VDI certification guarantees all customers with DRAABE systems fully hygienic operation, compliance with the required hygiene measures, inspection intervals and germ limits, and therefore provides effective protection against liability risks.

The "Optimised Air Humidification" certificate from German Social Accident Insurance (DGUV) is a system certificate required for the successful VDI certification of DRAABE systems.



DRAABE NanoFogSens

DRAABE NanoFogEvolution

# APPLICATIONS

## THE DRAABE NANOFOG HUMIDIFICATION SYSTEM



Hygiene first



Flexibility



Energy saving



Green & lean

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