

UNIFOG
denmark.com



*Correct Humidification
makes a difference.*

HUMIDIFICATION

WHO IS UNIFOG? Unifog Denmark ApS is a company of experience and innovation.

A combination of 50 years of practical and theoretical experience has made Unifog Denmark ApS one of the leading, European companies in their field.

At present, Unifog Denmark ApS has more than 5000 humidity systems installed throughout Europe, and the quality of each system reflects the knowledge and experience of the company. Unifog Denmark ApS were founded by the present owners Ejvind and Poul in 1993, with the main goal of ensuring the best possible environment in the production areas; office buildings, public facilities and other places where the indoor climate plays a vital role.

Correct Humidification Makes a difference.

All Unifog Humidification system is assembled of high quality components.

All components is tested before shipment.

All systems will be matched each customer



Tvekildevej 6 | 5856 Ryslinge | Denmark

Phone.+45 62 68 12 30 | Fax.+45 62 68 14 40 | contact@unifog-denmark.com

THE HIGH-PRESSURE SYSTEM featuring the UFO-unit can be used in all industries.

The UFO makes very little noise, and the fan is installed at the top of the unit, which enables the warm air under the ceiling to be used for carrying the atomized water particles. It is possible to mount up to 12 nozzles on a UFO, and by blinding connections that are not being used, 4 nozzles can be installed in only three meters.

The Unifog high-pressure system is developed to make the installation process as easy as possible. The high pressure fittings for the tube can be assembled using only spanners and pliers, which are tools that every fitter has in his toolbox.

The pipe system requires considerable height, minimum 4 meters, and is therefore suitable for storage rooms, large production halls and because the system does not have any electrical fans, it is also suitable for restricted areas i.e. EX- Zone 1 & 2.

The pipe system is also very suitable for duct installations. Because of the very flexible pipes it is easy to design the system so it covers all areas in the duct.

The duct installation is controlled by a logic controller in 6 or 10 steps.

The pipe system must be installed using a 12 mm. press tool, which is also a tool that most plumbers use every day.

The solenoid valve for each zone and the pressure guard are mounted on either a manifold at the pump station console or directly on the wall, and both the solenoid valve and the pressure guard are electrically connected to the main board.

The high pressure pump with a capacity of 350 l/h runs at 700 rpm. In case of more than 3 zones or a zone with very low capacity, the pump will be operated by a frequency converter. A 700 litre pump will always be controlled by a frequency converter because it has to be flexible in capacity when the zones are activated and deactivated.



HOW DOES THE INDOOR CLIMATE AFFECT YOUR EVERY DAY LIFE? The ability of air to contain water depends on the temperature of the air.

Cold air can contain less water than hot air. That is the reason indoor air becomes dry in the winter. Air with a temperature of 0 degrees and a humidity of 50% RH will reach a humidity of 13 % RH, when it is heated to 20C.

In northern Scandinavia it is not unusual that the humidity is less than 10 % RH during winter. A humidity level that low can cause a lot of inconveniences, such as static electricity and floating dust which occurs because cleaning becomes more difficult when the dust becomes static. The best indoor climate is obtained by maintaining a humidity of 30-50% RH. With equipment from Unifog Denmark ApS it is possible to control the humidity to the exact level wanted.

During summer the humidity is often more than 50% RH, so there is no risk of humidifying the air up to 50% RH. The atomization is so fine that the water is absorbed by the air immediately. The water can be cleaned with reverse osmosis, which removes 98% of all minerals and salts from the water.

Besides reverse osmosis the water can be treated with UV light and an environment filter, which removes possible remains of bacteria, so any risk of bacterial formation is minimised.

UNIFOG
denmark.com

Tvekildevej 6 | 5856 Ryslinge | Denmark

Phone.+45 62 68 12 30 | Fax.+45 62 68 14 40 | contact@unifog-denmark.com



THE KNOWLEDGE

and entrepreneurship shown by Unifog Denmark

though not noticeable to the naked eye, has shown major companies throughout Europe that a healthy indoor climate can help improve production considerably.

A poor indoor climate can cause symptoms like dry mucous membranes, involuntary nose-bleeds and static electricity. With the knowledge and solutions presented by Unifog Denmark ApS, these types of symptoms can be removed and a healthy environment established.



PRODUCTS



WTRO 50-1000 I/h



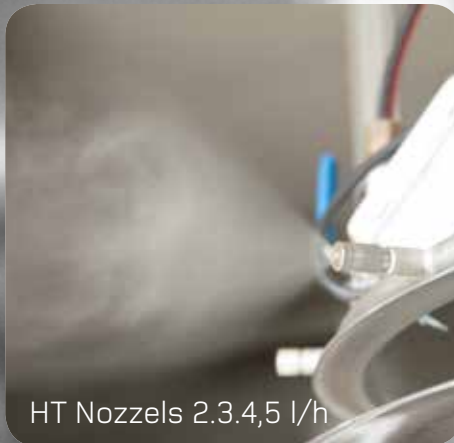
VD 0,5-6 I/h



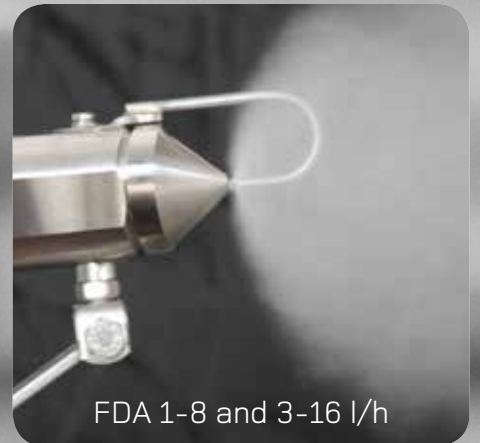
HTP 100 I/h



HTP 280-700 I/h



HT Nozzels 2.3.4,5 I/h



FDA 1-8 and 3-16 I/h

Dealer :