



**HASCON  
ENGINEERING®**  
AIR FILTRATION SYSTEMS & VENTILATION



**HasconFog®**

Controlled humidification system

*A cleaner world.*



- 1 Atomizer
- 2 Connection kit
- 3 Electronic control unit
- 4 Probe
- 5 Water pipes
- 6 Air pipes
- 7 Water inlet
- 8 Air inlet

## Operation

HasconFog® is an innovative system for control of relative humidity in the environment. The system consists of 3 main parts:

- Atomizers
- Kit for connection to water and air supply
- Electronic control unit for reading and control

## Atomizers



The heart of the system is our patented atomizer, based on the venturi principle. It is provided with a 1.5 mm hole which enables to use standard water supply.

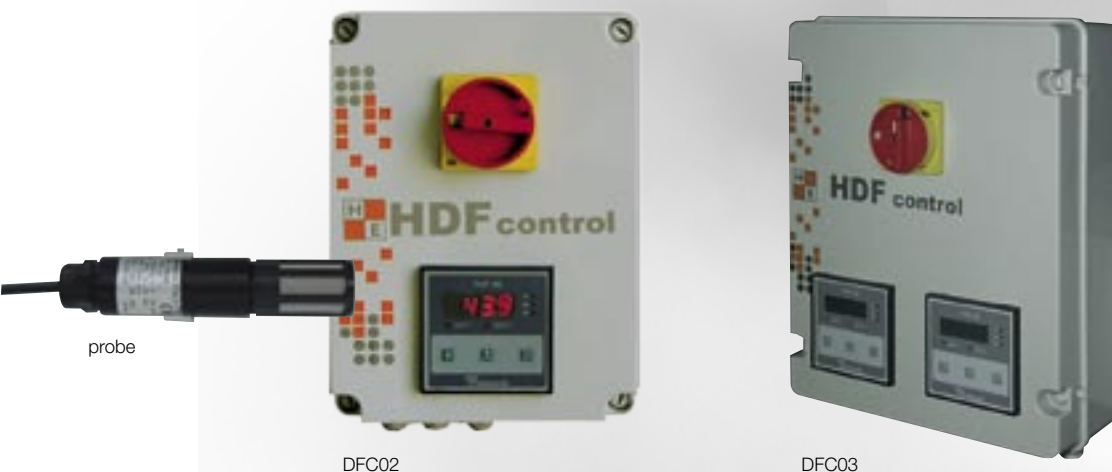
The mix between water and compressed air creates dry fog with a very fine nebulisation (microns), avoiding unwanted drops or condensation.

The number of atomizers may vary, depending on the relative humidity required by the customer.

Nebulised H <sub>2</sub> O	6 lt/h
quantity of compressed air used	120 lt/minute
A/C pressure	3.5 bar min. – 5.5 bar max
H <sub>2</sub> O pressure	0 bar

## Electronic control unit

The electronic control unit for reading and control processes data received from the capacitive probe and, depending on the previously set parameters, opens or closes the solenoid valve, enabling or disabling micro nebulisation.



DFC02

DFC03

CODE	Power supply	Output	No. of electronic displays	No. of capacitive probes
DFC02	220 V / 50 Hz	4-20 ma	1	1
DFC03	220 V / 50 Hz	4-20 ma	2	2



DFQ01/02



DFQ03/04

It is one of the fixed parts of the system, which enables to connect water and air supply to the atomizers.

CODE	DFQ01	DFQ02	DFQ03	DFQ04
no. of atomizers	4 max	da 4 to 20 max	max 4 + 4	max 20 + 20
water tank lt.	6 lt.	6 lt.	6 lt.	6 lt.
mechanic valve for water refill	yes	yes	yes	yes
solenoid valve	¼"	¾"	¼" + ¼"	¾" + ¾"
pressure regulator and manometer	¼"	¾"	¼"	¾"
water/air pipe fitting Ø	10 mm	½"	10 mm	½"

## Benefits

- Use of standard non demineralised water supply
- Non condensing environments
- Limited and quick maintenance
- Quick installation
- Long durability

## Applications

- Cellars for wine refinement in casks
- Food storage
- Freeze rooms
- Textile industry
- Air treatment plants
- Electronic plants
- Dust removal
- Smell removal
- Enzyme treatments





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