



**air humidity control**

## “We use air humidity control to help industries move ahead”

FISAIR has acquired a wealth of experience designing, manufacturing and rolling out air humidity control equipment since 1994. Humidity control is essential to human health, a wide range of processes and most materials.

We provide state-of-the-art technology at competitive prices; flexible designs combined with high-quality manufacturing.

Fisair belongs to a financially robust group of industrial companies.

Our international industrial clients endorse the work of the top professionals in the Fisair team. Our extensive international sales and after-sales network has globalized Fisair's service offering.

We would like to invite you to experience the improvements in your processes and the increases in productivity provided by equipment designed exclusively for your benefit.



A stylized, handwritten signature in blue ink, consisting of a large, flowing 'B' followed by a smaller 'o' and 'e'.

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**Juan Boeta**  
Managing Director

Air humidity control is critically important  
to human health, most materials and  
a wide range of industrial processes.  
Fisair has the expertise to offer  
the best solutions.



## **DIPHUSAIR air humidifiers**

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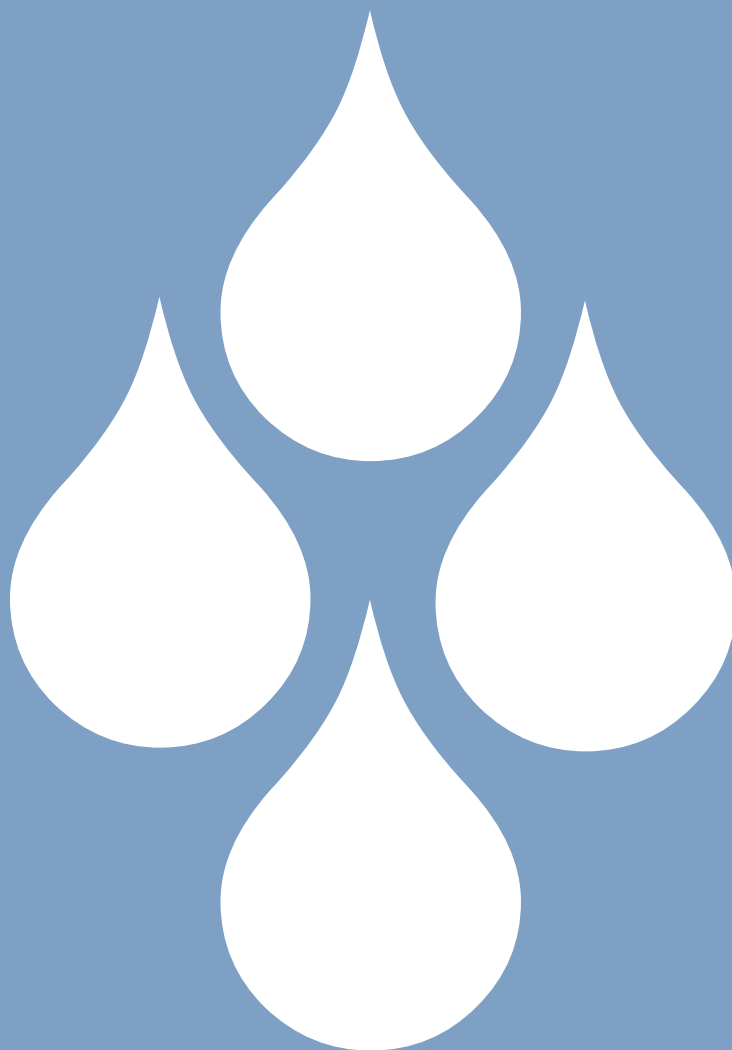
## **DF air dehumifiers**

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## **HEF evaporative coolers**

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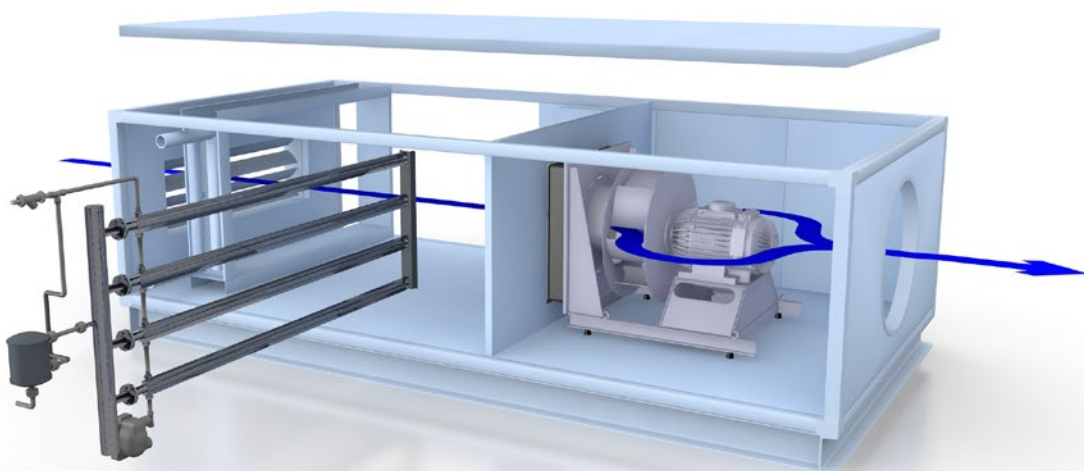
**DIPHUSAIR**  
air humidifiers



## STEAM INJECTION

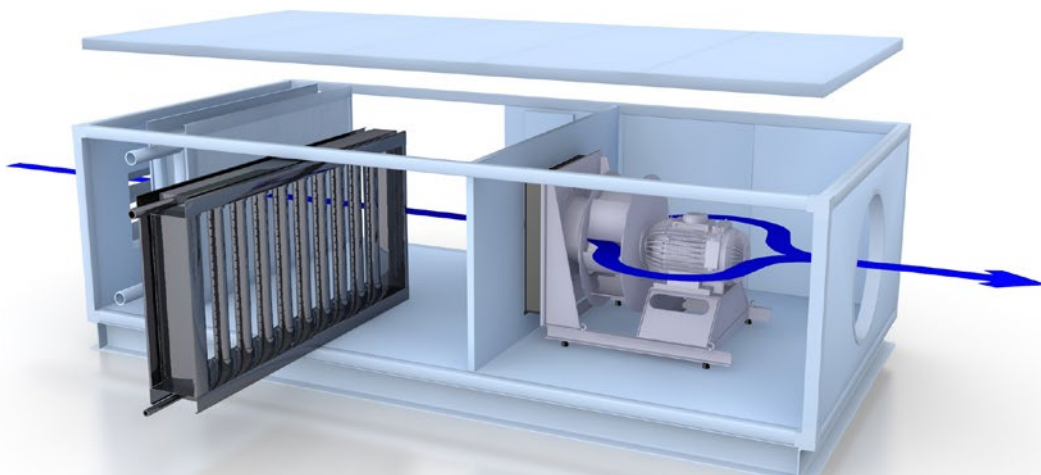
### **diphusair FSH**

Steam injection system for working with pressured boiler steam, with a double-jacket pipe and droplet separator.



### **diphusair MT2**

Steam injection / dispersion system for working with pressured boiler steam, or unpressured steam generated by isothermal steam generators.





ELECTRIC

### diphusair ELECTRODE

Auto-generator of clean steam using submerged electrodes. Resistant, compact, economic and accurate. Stainless steel chassis, controller and wide range of dispersion systems depending on the absorption distance.



### diphusair RESISTANCE

Auto-generator of clean steam using heaters. Similar to the electrode option but with any kind of supply water quality. Proportional control.

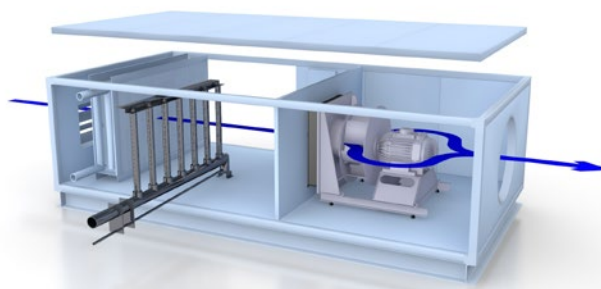


## DIPHUSAIR ACCESSORIES for the Electrode, Resistance, ASC and VxV series

Steam dispersion systems for working with unpressured steam generated by the isothermal steam auto-generators.



Diphusair MT0

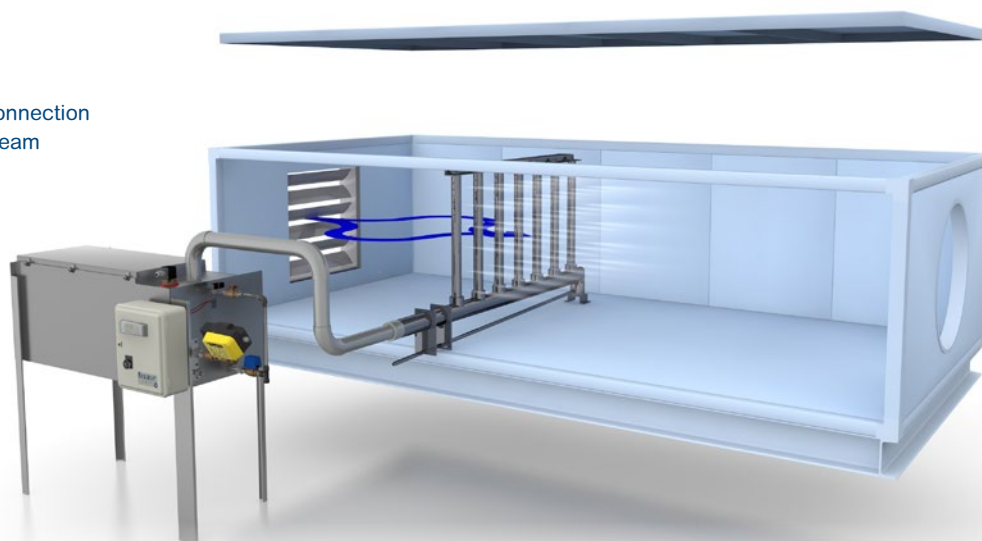


Diphusair MT1



## HEAT EXCHANGER

Diphusair ASC/VxV connection with Diphusair MT1 steam disperser in the AHU.



### diphusair ASC

Humidifiers auto-generating steam by heat exchange with superheated water.



### diphusair VxV

Heat exchange humidification system using boiler steam.

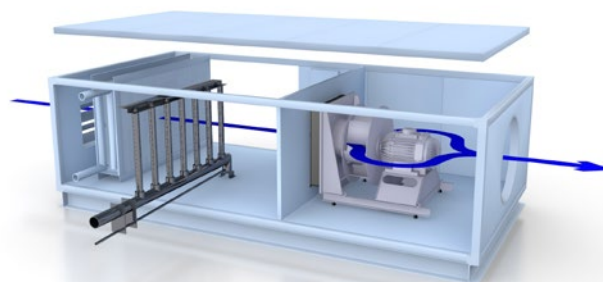


## DIPHUSAIR ACCESSORIES for the Electrode, Resistance, ASC and VxV series

Steam dispersion systems for working with unpressured steam generated by the isothermal steam auto-generators.



Diphusair MT0



Diphusair MT1



**DF**  
**air dehumifiers**

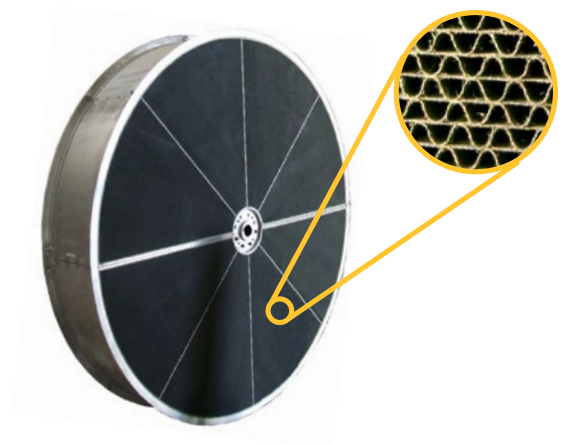




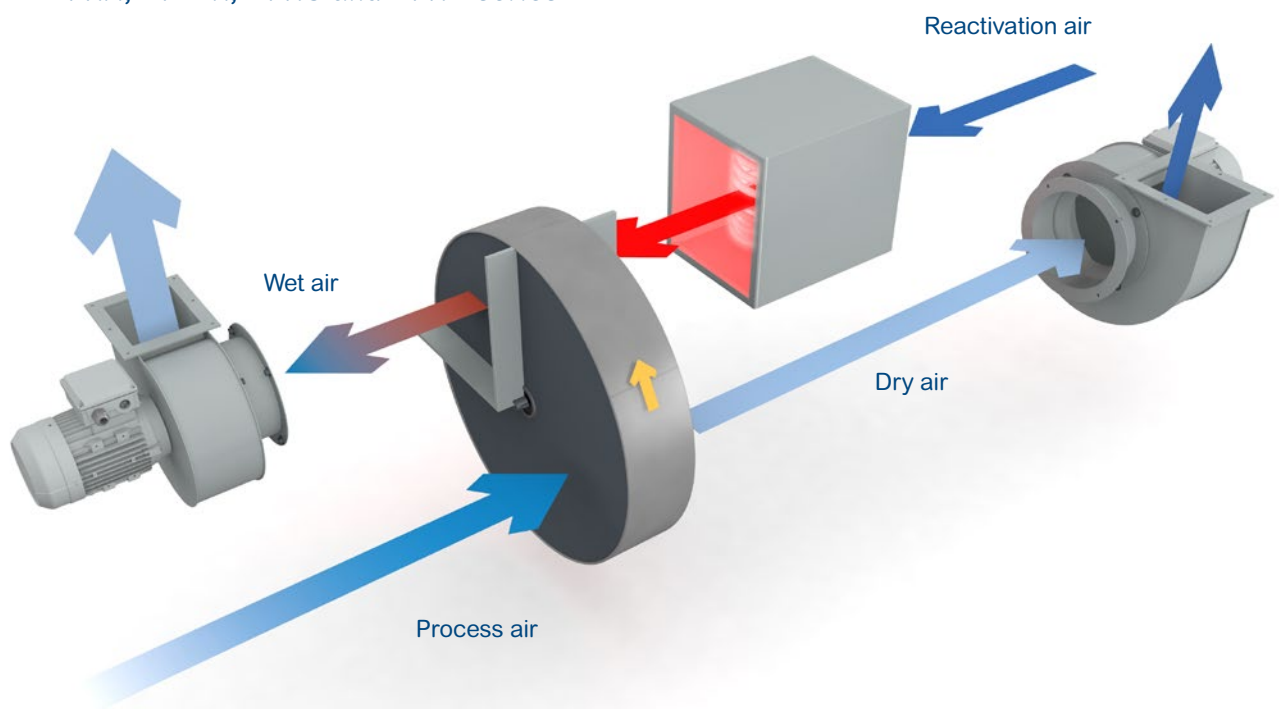
**The operating principles of FISAIR desiccant rotor air dehumidifiers are based on an exclusive high performance water vapour retaining silica gel desiccant rotor.**

A large number of industrial materials and processes require dry air. Desiccant rotor technology has a proven track record providing the best combination of low installation costs, a wide range of applications, and low operating costs, out of all kinds of air drying processes.

FISAIR supplies a full range of desiccant dehumidifier series adapted to specific applications. Each series is equipped with the best quality components and a design centred on simple maintenance and low energy consumption.



**Operating principles of the DFRA, DFLEX, DFRC and DFRD series**





### DFRA series

a wide range of Solutions

Highly reliable units with drying capacities from 3 to 42 kg/h and dry air flows from 450 to 6,000 m<sup>3</sup>/h.



### DFLEX series

flexible range

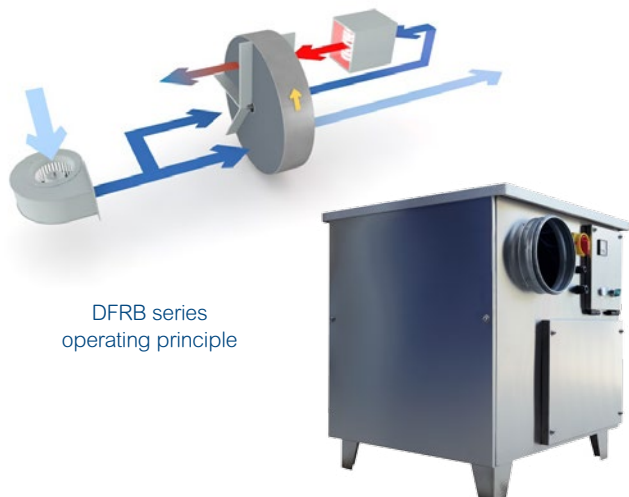
Highly reliable units with drying capacities from 52 to 162 kg/h and dry air flows from 7,500 to 24,000 m<sup>3</sup>/h.



### DFRB series

the compact solution

The B series made from stainless steel provides a range of highly compact, robust and portable dehumidifiers for use in the most demanding applications while meeting high reliability and low energy consumption needs.



DFRB series  
operating principle

### DFRC series

mobile and heavy duty drying

Series aimed at temporary drying with a robust chassis and finish to protect against corrosion. Ideal for surface treatment and rental applications.



### **DFRD series** the compact solution

This range completes the B series with an additional fan to increase the specific drying capacity and the available wet air pressure.



### **DFRIGO series** ice-free energy lossless

Units designed to reduce humidity in refrigerated areas and processes. Leader in its field in terms of its thermal insulation, robust design and energy efficiency.



### **DFRM series** modular solutions

Custom-made solutions for a large number of industrial processes requiring air drying. Robust construction and wide ranging setup possibilities.



### **DFU series** fast and soft uniform drying

Fast and delicate uniform drying cupboards for clothing employed in a large number of professions and sporting activities.





**HEF**  
**evaporative coolers**



### HEF2E series

the most hygienic and the most efficient

Contact panel evaporative humidifiers with the highest performance on the market by high efficiency to low pressure drop, and certified hygiene.



### HEF3-CAD series

low height solution

The hygienic range for low heights to enable the use of these systems in false ceilings in commercial premises and offices. The lost water design reduces energy consumption and is a huge aid to maintenance.



### HEF4 series

free-blowing cooling unit

Evaporative coolers that minimize installation costs because they do not require the installation of air pipes. Resistant and simple.



### HEF5 series

big volumes, cool to be ducted

Systems equipped with high pressure fans to enable the HVAC of large buildings using only water for refrigeration. Robust and safe construction.



### HEF7 series

to cool the cooling

Evaporative cooler for air-condensed water chillers. High-efficiency and minimal pressure drop panel. Prevention of the deterioration of the batteries of the direct water atomization systems.





## main applications

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### Foodstuffs industry



### Agriculture and livestock



### Pharmaceuticals industry, clean rooms and laboratories



### Construction







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### Protection of hygroscopic materials



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### Protection and treatment of metal surfaces



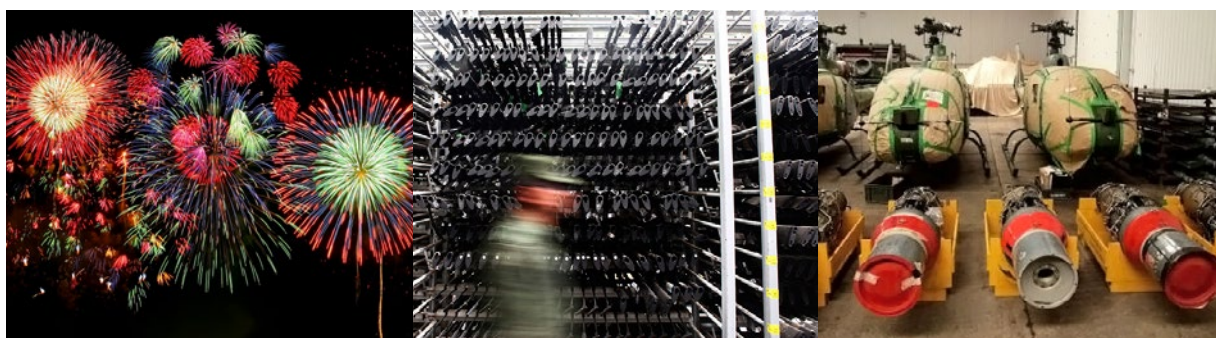
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### Plastics and glass industries



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### Fireworks, armed forces and security forces





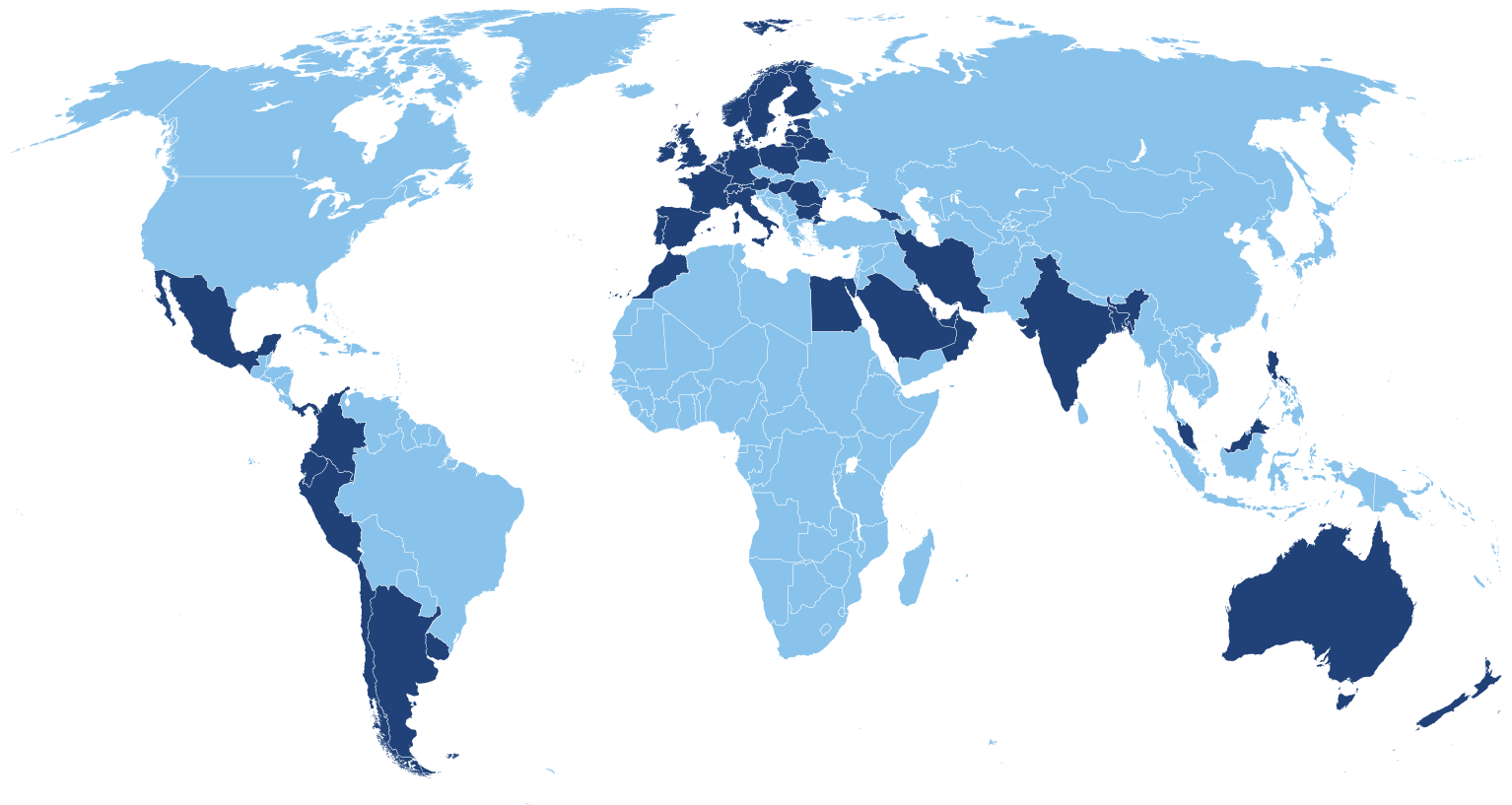
AIR HUMIDITY CONTROL



## global service

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We have a large number of distributors supplying technology for specific demands, and providing high-quality after-sales services. End customers could wave goodbye to problems and minimize energy consumption during the entire useful life of the units.



[fisair.com](https://www.fisair.com)

