

# DF Range

## Industrial dehumidifiers for fixed installation



High dehumidification capacity

Compact and wall-mountable

Robust and sustainable

Equipped with a hygrostat

Hot gas defrost for operation close to 0°C

### Description

DF dehumidifiers are designed to adapt to any type of environment where humidity control is required (industry, storage/logistics, buildings, etc.).

The DF works by condensing the water vapour contained in the air. Constructed from a single-piece painted galvanised sheet steel casing with rubber feet, it is fitted with a rotary refrigerant compressor, axial fan, washable air filter and built-in electromechanical hygrostat. The refrigerant used is R410a. Condensate is drained by gravity into a water drain.

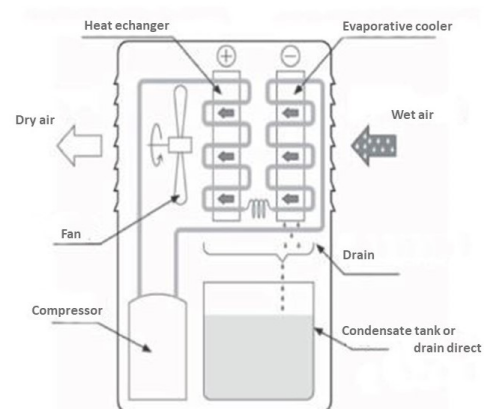
Option: remote electronic hygrostat

### Applications

DF dehumidifiers are ideal for dehumidifying industrial and service premises such as production workshops, storage facilities, museums, water treatment plants and concrete drying plants.

### Operating principle

The DF dehumidifier is made up of various internal components, in which a refrigerant in various forms circulates to reduce the humidity in the air. The humid air, which has been filtered beforehand, is cooled by contact with the evaporator, resulting in condensation and a reduction in humidity. The air is then heated by the condenser, reducing the temperature of the refrigerant. A fan drives the flow of air through the circuit. The cycle is repeated until the humidity reaches the set value.



## Technical specifications / Dimensions DF

	DF 44	DF 100
Air flow (m <sup>3</sup> /h)	450	1100
Capacities For 30°C and 80% RH	36l /24h	80l /24h
Power supply	230V 1P+N+T 50Hz	
Installed electrical power (kW)	0,57	1,05
Range of use - temperature	from +1 to +35°C	from +1 to +35°C
Range of use -hygrometry	from 35 to 90% HR	from 35 to 90% HR
<b>Dimensions (mm)</b>		
• Depth	580	656
• Width	350	516
• Height	420	516
Weight (kg)	34	48
Sound power level (dB) 3 metres from the unit	70	75

## Capacities

