



HUMIDIFICATION  
ROTATION ATOMISERS.  
EASY TO CARE FOR. QUIET.  
AND FOR FINE AEROSOL MIST.

DEFENSOR ATOMISERS



# Defensor atomisers

HUMIDIFICATION



**Defensor 505:**  
Simply universal

Horizontal or vertical? The deflector hoods supplied with this compact atomiser enable individual direction of a fine aero-sol mist absolutely free of droplets. The unit can be cleaned with a minimum of effort, and you can decide whether you wish to connect your Defensor 505 to the mains water supply or, alternatively, utilise the manually-filled water tank.



**Defensor 3001:**  
Maximum safety

The Defensor 3001 really comes into its own in industrial and commercial premises with a room volume of 500 m<sup>3</sup>. The deflector hood directs the aerosol mist exactly where you require it, as the outlet can be continuously adjusted. The Defensor 3001 is equipped with a manually-filled tank, or fully-automatic operation is also possible (i.e. by connecting it to the mains water supply). The thermal overload switch deactivates the unit if the water level drops too low, ensuring maximum operating safety.



**Defensor ABS2:**  
Superb performance

The Defensor ABS2 is available in four performance capacities (35, 70, 90 and 180 for 3.5, 7, 9 or 18 l/h), allowing you to configure an optimum humidifying system for every application and room size. Each model is distinguished by a high level of efficiency, low power consumption and minimum operating noise. A variety of filters are provided, enabling adaptation of the Defensor ABS2 to suit your application and increasing the service life of your units. If you require fully-automatic, low-maintenance operation, simply connect your Defensor ABS2 to the mains water supply.





## Key benefits



### Why Defensor atomisers?

#### **Clever.**

Defensor atomisers represent the most practical technical solution in industrial production, storage facilities and the breeding and keeping of livestock.

#### **Efficient.**

Defensor atomisers are characterised by low power consumption and an enhanced atomising effect, thus achieving an excellent humidifying capacity.

#### **Robust.**

Defensor atomisers are also suitable for harsh conditions, thanks to the robust materials employed and design features which facilitate care. They have a long service life and require very little maintenance, even where enormous stress and unfavourable conditions such as dust or heat are involved.

#### **Universal applications**

Defensor atomisers are extremely versatile and can be utilised in a wide range of applications, including the textile industry, assembly facilities, printers, fruit and vegetable warehouses, livestock holding facilities, the timber processing industry and cheese maturing.

#### **Simple connection to water mains**

Defensor atomisers utilise normal drinking water or treated water and can be easily connected to the mains water supply. A reverse osmosis unit can be integrated between the water supply connection and atomiser for applications which require a higher level of hygiene.

#### **Low operating costs**

The development engineers responsible for Defensor atomisers were extremely budget-conscious: low power consumption and durable components reduce operating costs to a minimum.

#### **One, two, three ... an expansion option to suit your needs**

Connect, activate and forget it ... you can start up your Defensor atomiser with a minimum of effort. If you require a greater humidifying capacity, simply expand the system by adding more units. Defensor atomisers provide the optimum solution for your application.

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Defensor 505



Defensor 3001



Defensor ABS2

## Technical data

	Modell					
	505	3001	ABS2			
			35	70	90	180
Humidification capacity	0.5 l/h	3 l/h	3.5 l/h	7 l/h	9 l/h	18 l/h
Air circulation	80 m <sup>3</sup> /h	280 m <sup>3</sup> /h	300 m <sup>3</sup> /h	600 m <sup>3</sup> /h	800 m <sup>3</sup> /h	1600 m <sup>3</sup> /h
Power consumption [W] 100 VAC/1, 50 Hz	40	65	200	400	290	580
Power consumption [W] 100–120 VAC/1, 60 Hz	40	65	280	560	470	940
Power consumption [W] 220-240 VAC/1, 50 Hz	40	65	220	440	230	460
Power consumption [W] 220 VAC/1, 60 Hz	40	65	270	540	300	600
Water inlet pressure			1.0 – 6.0 bar			
Water connection			3/4"			
Water tank content	5 l	6 l				
Dimensions (W x H x D)	350 x 350 x 230 mm	420 x 420 x 350 mm	460 x 470 x 510 mm	1000 x 470 x 510 mm	460 x 700 x 510 mm	1000 x 700 x 510 mm
Operating weight empty	3.5 kg	7 kg	29 kg	50 kg	31 kg	53 kg
Atomizer unit			AU35	2xAU35	AU90	2xAU90
Base unit with water-drain			SU11	DU11	AU90	2xAU90
Flat filter FU1			•	•	•	•
Pocket filter FU2			•	•	•	•
Ring filter FU3					•	•

Solutions for Indoor Climate

HEATING  
VENTILATION  
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HUMIDIFICATION  
DEHUMIDIFICATION

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