



## COMFORT HUMIDIFIERS

Protection of health and valuable goods



Humidification and Evaporative Cooling

 **condair**



# CORRECT AIR HUMIDITY AS EFFICIENT PROTECTION OF HEALTH AND VALUABLE GOODS

When the air in rooms is too dry, it obtains humidity from anything present in the environment such as human skin, plants, wood etc. Both people's health and valuable goods such as fixtures and furnishings suffer from such processes.

## Versatile use

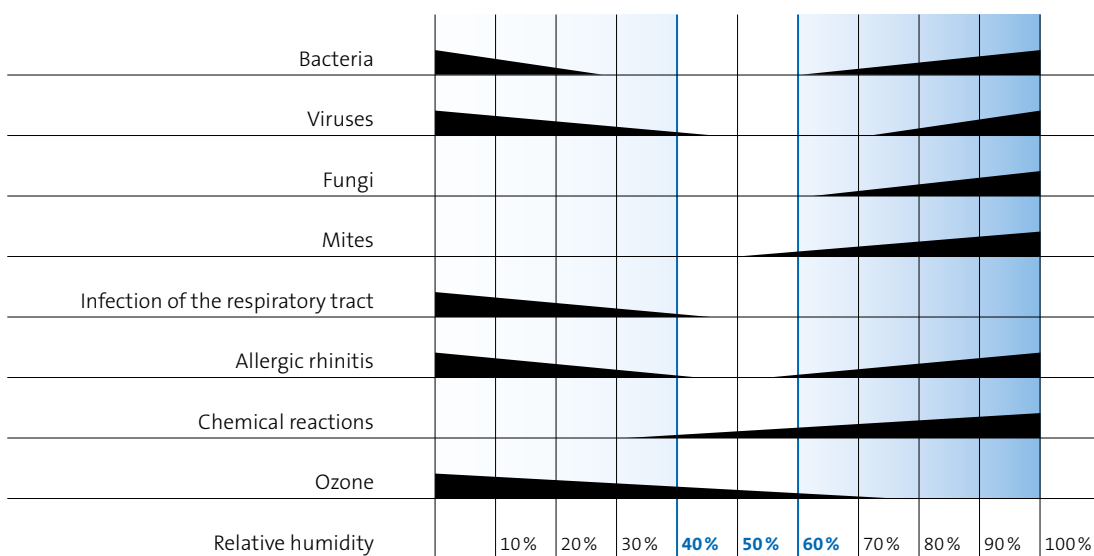
Modern evaporative humidifiers are, amongst other things, suitable for use in all private living areas, in offices or doctor's offices, in museums or galleries, in smaller concert or theater venues, in libraries or reading rooms as well as for value and quality-preserving storage of food, tobacco or wine, for example.

## Protection of values

Dehydration, which arises as a result of the air being too dry, causes valuable string and keyboard instruments, precious cultural items such as paintings, antiques, sculptures, books and furnishings for example parquet or furniture, to sustain permanent, often irreparable damages because colors, coatings, timbers and other materials become brittle and cracked.

## Protection of health

When air becomes too dry, it not only hampers a person's comfort, but also carries considerable health risks. A lack of air humidity encourages the spread of flu viruses, the outbreak of allergic symptoms or susceptibility to colds.



**Scofield/Sterling-Diagram:** The illustration presents correlations relevant for comfort and health protection at different room humidity levels. The risk posed by undesired microorganisms and the occurrence of specific symptoms of illness are minimal **within the optimal range between 40 and 60 % relative humidity.**

Newest studies also confirm that transmissions of viruses through particulate matter (e.g. through coughing) are significantly reduced at levels above 40% relative humidity.

# THE RIGHT EVAPORATOR FOR ROOMS OF ALL SIZES



		Defensor PH28	Defensor PH15
<b>Characteristics</b>		<b>Purification and Humidification</b>	<b>Purification and Humidification</b>
		Economical, hygienic user-friendly and powerful for rooms up to 900 m <sup>3</sup>	Programmable efficient, discreet and universal for rooms up to 580 m <sup>3</sup>
Technical data			
Colours		RAL or NCS	White
Dimensions (W x H x D)	cm	80 x 75 x 44	73 x 61 x 37
Weight netto	kg	43	25
Power Consumption	W	128	72
Water tank capacity	l	30	20
Conformity		VDE, CE, GS, GOST	VDE, CE, GS, GOST
Capacity levels		1 2 3 4	1 2 3 4
Sound pressure level	dB(A)	40 48 54 58	33 38 45 50
Air circulation rate	m <sup>3</sup> /h	320 420 600 750	155 195 280 340
Humidification capacity <sup>1)</sup>	l/h	1,7 2.1 2.4 2.7	0.8 1.1 1.5 1.7
Humidification capacity <sup>2)</sup>	l/h	0.9 1.2 1.4 1.6	0.6 0.8 1 1.3
For rooms up to a max. of	m <sup>3</sup>	430 600 730 900	280 380 510 580
Water level detector		●	●
Silver ionising		●	●
UV disinfection			
Filter set for air cleaning		●	●
Coarse dust filter G 4			
Water connection		■	■
Control via radio hygostat		■	■

1) at 25 °C and 20 % rH    2) at 23 °C and 45 % rH    \* in 4-stage automatic operation

● Standard    ■ Option



	Brune B500	Brune B300	Brune B280	Brune B125
	<b>Humidification</b>	<b>Humidification</b>	<b>Humidification</b>	<b>Humidification</b>
	Highly efficient, mobile, eco-friendly and economical for rooms up to 1000 m <sup>3</sup>	Efficient, two-stage, simple and ready for use for rooms up to 600 m <sup>3</sup>	Seven-stage, economical, quiet and space-saving for rooms up to 500 m <sup>3</sup>	Compact, tried and tested, comfortable and quiet for rooms up to max. 140 m <sup>3</sup>
	RAL 9001 / 7035 / 7022	RAL 7001	RAL 9003 Signal white	White
	75.5 x 62 x 36.5	74 x 70.5 x 41	64,5 x 66,5 x 29,5	45 x 28.5 x 29.8
	21	19	14	4.2
	130	58	45	25
	50	25	25	11
	CE	CE	CE	CE
	1 2 3 4	1 2*	1 2*	1
	32 36 41 44	32 40	32 44	34
	360 450 650 800	300 600	300 500	140
	1.7 2 2.3 2.6	0.9 1.4	0.7 1.2	0.95
	1 1.1 1.3 1.5	0.7 1	0.6 0.9	0.55
	460 580 780 1000	350 600	250 500	140
	●	●	●	
	■	●	■	
	■			
	■	■	■	
	■	■	■	
	●		■	

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