



## 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

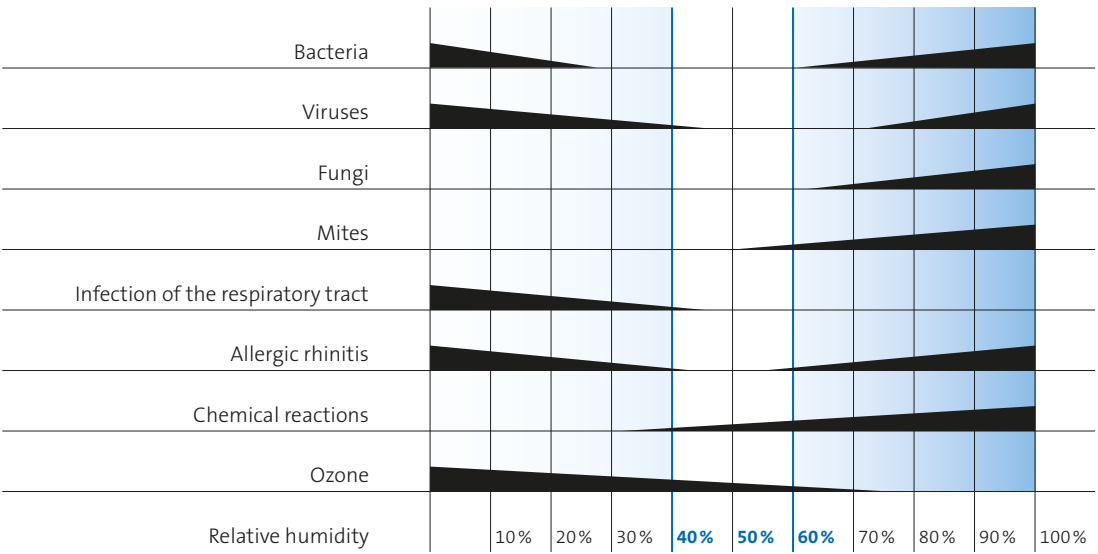
Modern evaporative humidifiers are, amongst other things, suitable for use in all private living areas, in offices or doctor’s offices, in museums or galleries, in smaller concert or theater venues, in libraries or reading rooms as well as for value and quality-preserving storage of food, tobacco or 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-Diagramm:**  
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			
Characteristics		Purification and Humidification				Purification and Humidification			
		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	dBA	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 B250	Brune B125
	Humidification	Humidification	Humidification	Humidification
	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>	Fully electronic, 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 9002 / 7004	White
	75.5 x 62 x 36.5	74 x 70.5 x 41	60 x 67 x 30	45 x 28.5 x 29.8
	21	19	19	4.2
	130	58	50	25
	50	25	25	11
	CE	CE	CE	CE
	1    2    3    4	1    2*	1    2*	1
	32   36   41   44	32   40	34   40	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
	●	●	●	
	■	●		
	■			
		■	■	
	■	■	■	
	●			

