

# Condair Dual 2

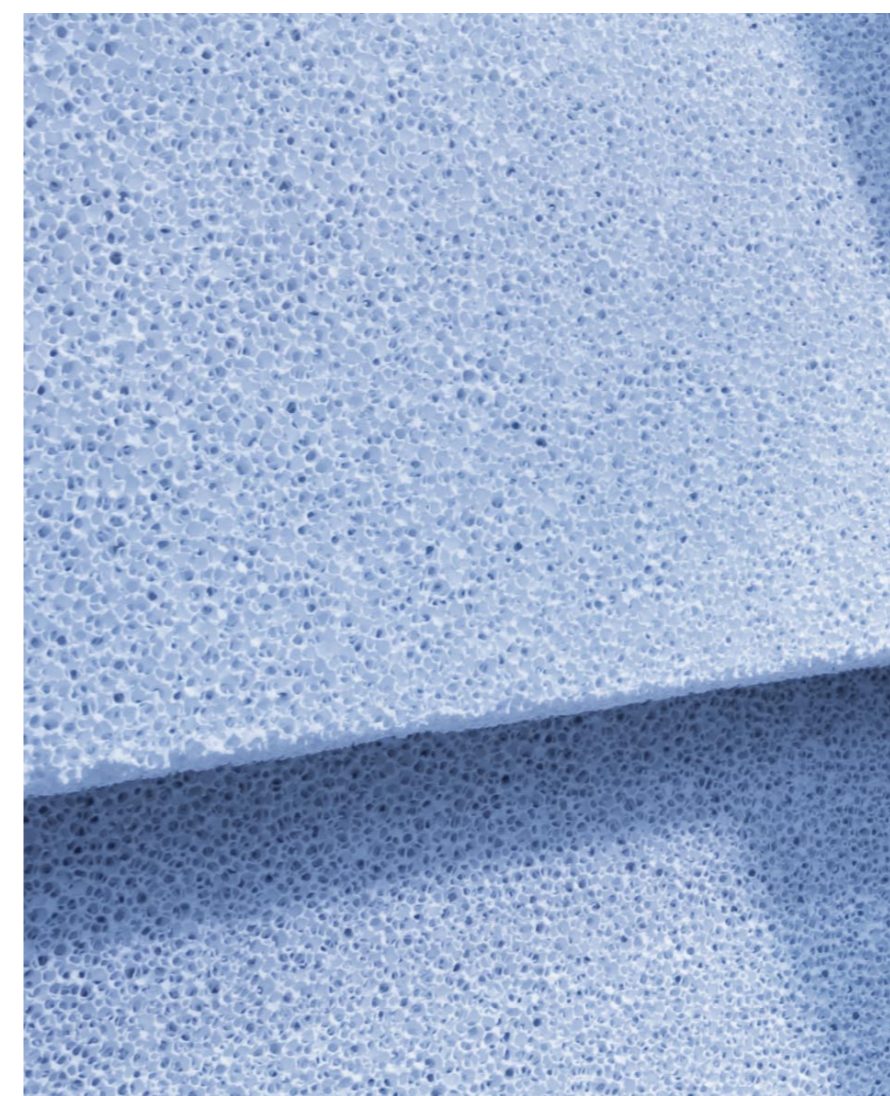
## Hygiene is responsibility



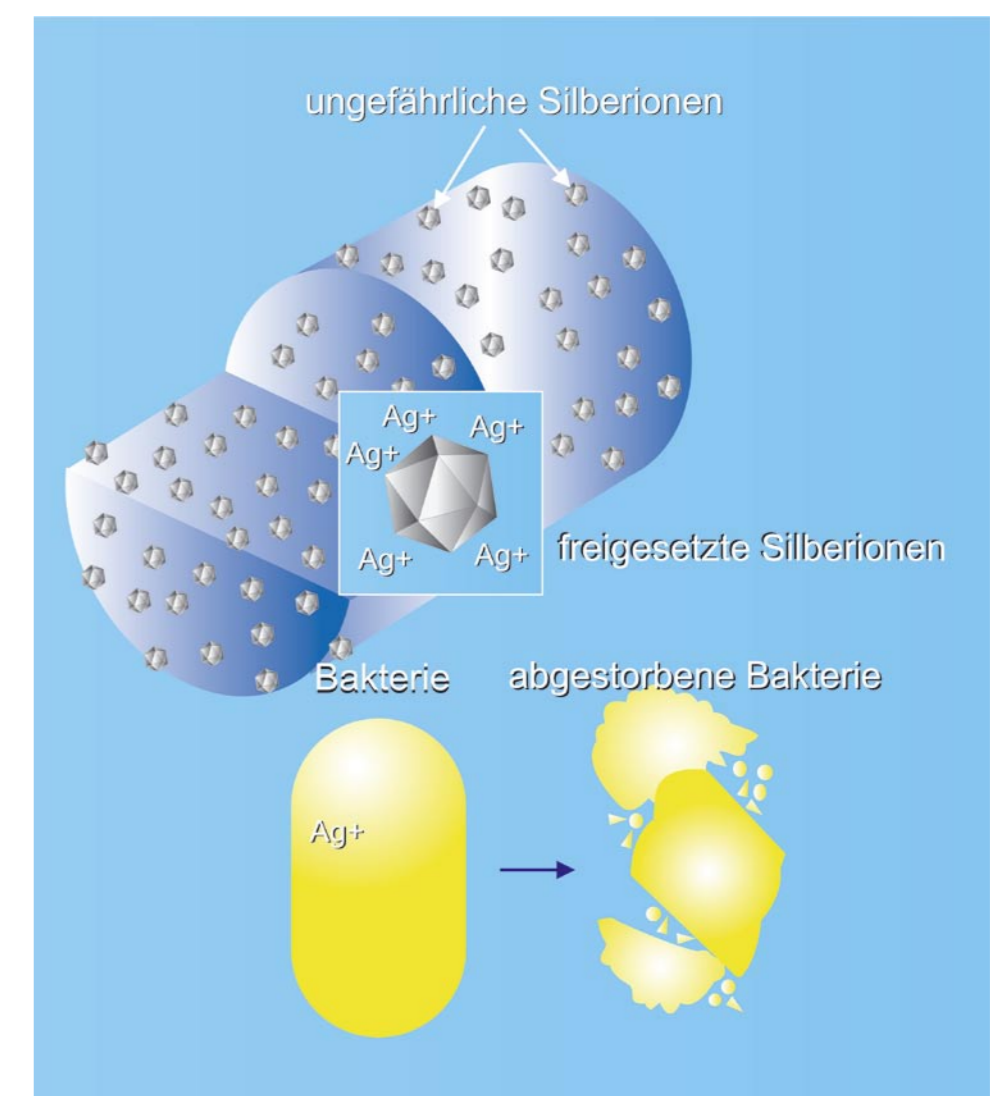
The IP54 central unit version with a connection to the pure water network contains the patent-protected HygienePlus hygiene concept. The water supply lines to the spray nozzles are automatically purged and drained prior to the humidifying function through additional hygiene purging. Germ contamination caused by unhygienic purging water is thus ruled out completely.



Flexibly-positioned high-precision molecular atomiser nozzles with anti-wear ceramic atomising inserts operate in the low pressure range of only 4 to 9 bar, thus saving energy. The unique nozzle construction achieves an optimum drop spectrum for a high evaporation output. The optimum nozzle configuration is calculated by computer enabling the achievement of minimal excess water quantities through maximum water utilisation.



The new patented post-evaporation unit has a service-friendly plug-in ceramic evaporator element system that increases humidifying efficiency, thus ensuring completely that no aerosol discharge occurs. The tile configuration of the ceramic plates enables a frontal air stream across the complete surface area and almost complete recycling of humidifying water.



The design and HygienePlus hygiene concept mean that the humidifying system complies fully with the requirements of VDI 6022. Adherence to hygienic requirements was proven by the Fresenius Institute (Institut Fresenius GmbH) through long-term monitoring over several years and confirmed through the issuing of a hygienic certificate.

Principal technical data:			
Power consumption	0.15 to 0.35 kW	Humidifying efficiency	Up to 88%
Max. humidifying output	1000 l/h	Pressure loss over humidifier	70 pa at 2.0 m/s air speed
Control precision	+/- 4% r.h.	Hygiene functions	Silver ionising, spray circuit drainage
Air speed in duct	0.5 to 4 m/s	Test certificates	Fresenius hygiene certificate, type certificate
Pressure on nozzle	4 to 9 Bar	ILH norm conformity	VDI 6022/3803, Oe-norm H 6021, SWKI 2003-5
Min. water intake pressure	Flow pressure 2 to 10 bar	Waste water volume	<10% (dependent on degree of humidifying efficiency)
Supply water quality	Fully-demineralised water, conductivity 0.5 to 15 micro-Siemens/cm		

