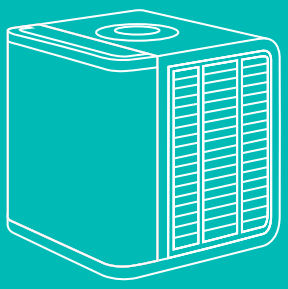
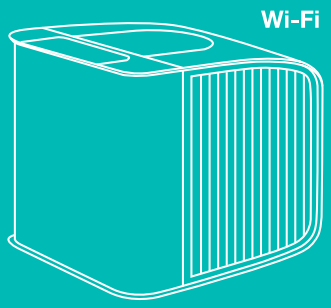
evapolar

www.evapolar.com

Your personal microclimate solutions

Two innovative devices for personal microclimate cooling systems brought to the global market – Evapolar air coolers: EV-1000 and EV-3000.





	evaLIGHT™ EV-1000	evaSMART™ EV-3000
Coverage Area	Up to 3.5 m²/ Up to 30 ft²	Up to 4 m²/ Up to 33 ft²
Power Consumption	10 W	12 W
Cooling Power	100 W - 350 W / 340-1200 BTU/hr	100 W - 400 W / 340-1360 BTU/hr
Volumetric Flow Rate	46.6 cfm	55.1 cfm
Noise Level	27-45 dB	25-40 dB
Size	170 x 171 x 174 mm / 6.69 x 6.70 x 6.87 inch	184 x 217 x 207 mm / 7.24 x 8.54 x 8.14 inch
Net Weight	1300 g / 2.866 lbs	1820 g / 4.01 lbs
Water Tank Capacity	750 ml / 25.36 fl oz	1300 ml / 43.96 fl oz
Water Refill Cycle	every 3-5 hours	every 6-8 hours
Evaporative cartridge life expectancy	3 - 6 months*	3 - 6 months*
Color	Crystal White Magic Black Royal Blue	Opaque White Coal Black Stormy Grey
Energy Efficiency Ratio (EER)	21-37	21-37
Power Plugs	US, UK, EU, AU	US, UK, EU, AU
Power Supply	Micro USB (5V; 2A)	USB Type C (5V; 2,5A)
Supplied Accessories	Cartridge, power cord, power adapter	Cartridge, power cord, power adapter
Wi-Fi connection	n/a	√
Smart Home	n/a	√

CONTACTS

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Production: Xiamen, China
R&D: Saint-Petersburg, Russia

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How Evapolar air coolers work

Evapolar functionality is based on a natural evaporative cooling technology. After you fill the removable water tank and connect your Evapolar air conditioner to a power supply, the cartridge will absorb large amounts of water. The water then spreads evenly through the cooling pads.

As the air blows through the pads, the water evaporates, which causes both the lowering of the air temperature with saturating it with water. Evapolar air conditioner will reach its full cooling power within 5-10 minutes. There is no heat exhausted as a result of the evaporation process.

The device works with any USB power supply and consumes 10-12W.

FREON FREE

BIO- resistance

EvaBreeze®

EvaBreeze® Patented Evaporation Technology is based on a unique inorganic material that:

- Is based on mineral nanofibers with great hydrophilic capacity
- Provides intense water evaporation from the small surface
- Uses the capillary effect to raise the water to a height of 30 cm and saturates the whole area of the Evapolar cartridge. A pump is not required
- Does not contain organic elements, and thus, does not create suitable conditions for bacterial growth, which embodies the Evapolar responsive care approach
- Saves energy due to a compact cartridge size

Indoors humidity	Room temperature 75° F	85° F	95° F	105° F
30 %	59,3° F	56,6° F	72,1° F	78,9° F
40 %	62,0° F	69,0° F	75,5° F	82,4° F
50 %	64,5° F	71,6° F	79,1° F	86,7° F
60 %	67,1° F	75,0° F	82,9° F	90,8° F
70 %	69,6° F	77,9° F	86,0° F	94,2° F

Temperature of outgoing air, °F

Indoors humidity	Room temperature 25° C	30° C	35° C	40° C
30 %	15,2° C	18,7° C	22,3° C	26,1° C
40 %	16,7° C	20,6° C	24,2° C	28,0° C
50 %	18,1° C	22,0° C	26,2° C	30,4° C
60 %	19,5° C	23,9° C	28,3° C	32,7° C
70 %	20,9° C	25,5° C	30,0° C	34,6° C

Temperature of outgoing air, °C