



Perfect **Cool**[®]
naturally cooler



ABOUT US

Perfect Cool s.r.l. designs, manufactures and markets indoor and outdoor fog systems. Our systems are perfect for cooling, scenographic effects and humidification.

how it works

We use nebulized water to reduce temperature. With a pump system, we pressurize water to 60-100 bar, and then spray it through special nozzles to nebulize it into droplets of only 10 microns (less than the thickness of a hair). The nebulized water evaporates instantaneously, reducing the ambient temperature, in a process known as thermal dynamics. Water needs energy to evaporate – 600 calories to evaporate just one gram of water – and this exchange of energy causes the temperature to fall.

advantages

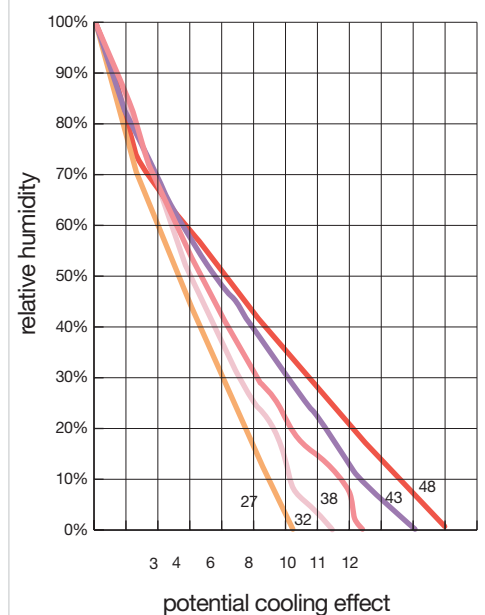
- Designed and manufactured in Italy
- Significantly lowers ambient temperature
- Makes indoor and outdoor spaces more enjoyable
- Eliminates dust, pollen and flying insects
- Versatile and flexible
- Easy to install
- Low energy costs
- High efficiency

why choose Perfect Cool?

Perfect Cool s.r.l. designs and manufactures its fog systems in Italy, using carefully selected components. Our technical office, with its great acquired experience, can design personalized systems to satisfy any special needs in the fogging sector.

performance

The efficiency of the system depends on ambient temperature levels and existing humidity. We achieve the best results with high temperatures and low levels of relative humidity. The ideal conditions are with temperatures between 26 and 45°C and relative humidity between 40 and 80%. Our systems can also be used in very damp spaces, because when the temperature reaches its daytime peak, relative humidity is normally at its lowest point.





humidification

Anywhere that excessively dry air is a problem, our systems can guarantee perfect control over relative humidity. By using programmable hygostats, we can maintain the desired levels of humidity.



where to use it

We can use "Perfect Cool" systems in a wide variety of situations, and in particular where the use of conventional air conditioners would not give adequate results or would be too expensive: verandas, theme parks, warehouses, wine cellars, hotels, restaurants, discotheques, beach centres, sport facilities, pedestrian precincts, events, workshops, showrooms, factories with hot environments, gymnasiums... "Perfect Cool" systems can be installed either outdoors or indoors. Our technical office can work together with you to create any kind of project.

fruit and vegetable



The perfect humidity conditions for your fresh produce. Perfect Umi ensures the right humidity levels for your fresh produce: vegetables, fruit, etc, prolonging freshness and eliminating weight losses.

dust elimination



Perfect Cool systems are ideal for dust elimination. The tiny water droplets of just 10 microns attract dust particles of 10 PM and above. Wherever air quality is an issue, our systems are extremely efficient and cheap.

wine cellars



Excellent results for wine cellars, where control over relative humidity prevents the excessive evaporation of wine during aging in casks, permitting significant savings in economic terms. Other applications: timber processing, fabrics processing, fruit and vegetable warehouses, supermarkets, etc.

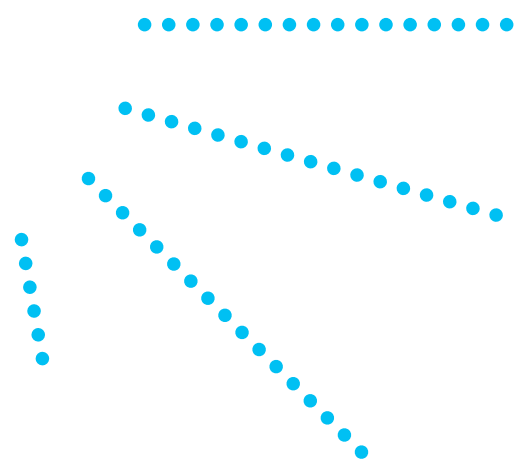
industrial facilities



In many workplaces, excessively high temperatures reduce working efficiency. Perfect Cool systems reduce ambient temperatures economically, enhancing the efficiency of human resources and industrial plant. Workshops, factories, warehouses and anywhere that conventional air conditioning systems would be too expensive.



PerfectCool
fogging systems
www.perfectcool.it



Whatever you do,
stay cool even
in summer



Hotels, restaurants, bars, swimming pools, trade fairs, discotheques, warehouses, factories: wherever installed, Perfect Cool environmental cooling systems can even the hottest days into enjoyable ones.





some of our installations



Perfect Vento



a cooling breath
of WIND



Perfect Cool offers excellent solution for the most modern public venues for the best possible ambient conditions both indoors and outdoors. Perfect VENTO can be personalized with an ample range of accessories for all needs.



Powerful and effective









Perfect VENTO is the most powerful and efficient system for lowering temperatures. Micro-nebulized water is propelled by the specially designed "Mist Fans", guaranteeing swift air exchange and excellent cooling.

Vast number of applications

Perfect VENTO can be used both outdoors and indoors, in spaces such as warehouses, factories, trade fairs stands, events, bars, discotheque, plazas, theme parks, etc.



Perfect Vento alta tecnologia per la massima efficacia

								
description	60 bar FOG module, 25 nozzles, 2.3 l/min, 60 bar, 0.9 HP (1x230V)-50Hz	60 bar FOG module 50 nozzles, 4 l/min, 60 bar, 0.9 HP (1x230V)-50Hz	MIST FAN Diameter 63 cm – Airflow capacity 7000 cu.m./h - 3 speeds - 60° oscillations complete with wall mounting bracket	Bronze anti-drip nozzle 0.2 with 10/24 UNC /2° thread	Mist Ring in steel for 6 nozzles with filter.	Quick-fit “T” joint in brass	Polyamide pipe for high pressures, diam. 9.5x5 mm.	Rubberized stainless steel clamp for fixing polyamide pipe 9.5x5 mm
Kit vento 602	1		2	12	2	1	25	20
Kit vento 604	1		4	24	4	3	50	40
Kit vento 606		1	6	36	6	5	75	65

Characteristics

Perfect VENTO kits are supplied complete with all accessories required for installation. Our PUMP UNITS are made with selected components and are specifically designed for fogging systems, featuring extremely sophisticated and innovative systems like:

- Pump with 3 pistons in integral ceramics with camshaft
- Depressurization solenoid valve (prevents dripping from nozzles)
- Bypass/safety solenoid valve
- Electrical panel with safety breaker and timer to control depressurization solenoid valve on fog nozzle line
- Pressure switch to detect low water supply pressure
- Connector for external control

ACCESSORIES

Cycle Timer

Independently regulates operation and pause (intermittency operation)

Relative humidity programmer

Turns the system on or off according to ambient relative humidity levels

Thermostat with probe

Turns the system on or off at preset temperatures

Aroma kit

Adds aroma compounds to misting system circuit



Perfect Linea

Inconspicuous and flexible

The ideal way to bring refreshing cool to your outdoor spaces, whether it's a gazebo, a geodesic dome or a veranda, because the Perfect LINEA KIT is the most inconspicuous and flexible solution. Sprayed fog is distributed with an extremely versatile system of polyamide pipes and quick-fit joints that can be adapted for different layouts of any size to suit all needs.



**Easy, efficient and personalized,
in 3 ranges for all needs.**



Easy to install

The Perfect LINEA KIT is a complete system that is easy to install, designed for assembly even by total newcomers to nebulization systems. Our quick-fit joints and polyamide pipes make installation a truly simple task. The KIT Perfect LINEA can be completed by a vast variety of accessories, units for automatic temperature and humidity control, timers and injection pumps for aromas or additive compounds.



Standard and personalized

The Perfect LINEA KIT is available in three standard configurations with 15, 25 or 50 nozzles. Personalized versions to suit customer needs can also be supplied.

The advantages of "Made in Italy"

Like all "Perfect Cool" products, the Perfect LINEA KIT has been designed for exclusive use with fogging systems. Direct experience and the constantly evolving needs of our customers have allowed us to create absolutely innovative and effective systems.c

Perfect **Linea** coolness right where you want it

								
description	60 bar FOG module 25 nozzles, 2.3l/min, 60 bar, 0.9HP (1x230V) -50Hz	60 bar FOG module 50 nozzles, 4l/min, 60 bar, 0.9HP (1x230V) -50Hz	Polyamide pipe for high pressures, diam. 9.5x5 mm. In metres.	Polyamide pipe for high pressures, diam. 9.5x5 mm. In 75 cm lengths.	Bronze anti-drip nozzle, 0.2 with 10/24 UNC /2A thread	Nozzle holder joint in brass	Rubberized stainless steel clamp for fixing polyamide pipe 9.5x5 mm	Brass plug for end of line. For 9.5 mm quick-fit joint
Kit for line with 15 nozzles	1		25	14	15	15	45	1
Kit for line with 25 nozzles	1		25	24	25	25	65	1
Kit for line with 50 nozzles		1	25	49	50	50	115	1

Characteristics

The Perfect LINEA Kit is supplied complete with all accessories needed for installation:

- 0.2 mm nozzles with anti-drip valve
- Water filter in 1/3 micron wound wire
- Quick-fit joints
- Nozzle blocking plugs
- Stainless steel supports for fixing line
- Pipe cutter
- Plug for end of line

Our pump units feature extremely sophisticated and innovative solutions, like:

- Depressurization solenoid valve (prevents dripping from nozzles)
- Bypass/safety solenoid valve
- Electrical panel with safety breaker and timer to control depressurization solenoid valve on fog nozzle line
- Pressure switch to detect low water supply pressure
- Pump with 3 pistons in integral ceramics with camshaft
- Connector for external control

ACCESSORIES

Cycle Timer

Independently regulates operation and pause (intermittency operation)

Relative humidity programmer

Turns the system on or off according to ambient relative humidity levels

Thermostat with probe

Turns the system on or off at preset temperatures

Aroma kit

Adds aroma compounds to misting system circuit

KITS can be supplied on request with stainless steel pipes



Mobile Fresh



Mobile Fresh is a real portable air-conditioner, powerful and highly efficient, that can be moved anywhere you want to create havens of comfort even on the hottest days. Mobile Fresh sprays a micronized water mist with a powerful ventilation system, ensuring instant and lasting cooling of ambient temperature.

**Independent,
functional,
easy to move.**

Pump

- Professional piston pump 60 bar
- Electric motor IP 54 – 230 V – 50 Hz – 0.9 HP
- Solenoid valve 230 V-50 Hz, low pressure for water supply
- Solenoid valve 230 V-50 Hz, high pressure for line depressurization
- Low-pressure switch for absence of water supply
- 5" water filter with 5 micron cartridge.

Ventilator

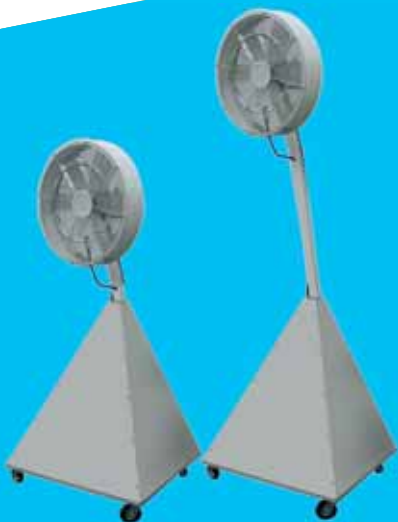
- Diameter 630 mm (24")
- 220 V 165 W 50 Hz
- Airflow capacity 7000 cu.m./h
- Possibility of 60° oscillation or fixed operation
- Mist ring with 6 stainless steel nozzles with incorporated water filter

Electronic control

- Cycle timer with programmable pause/operation
- Ventilator operation control
- Low water supply pressure detector with pump cut-out
- Manual ON/OFF operation

General

- 45 litre water tank with float switch for low water level and external filler inlet
- Connection to water mains supply with quick-fit connector
- Structure on 100 mm wheels with safety brake
- Main electrical safety switch
- Power supply 220 V 880 W 50 Hz
- Dimensions: L 880 – D 740 – H min 1100- H max 2600 mm



Totally adjustable

choose and vary ventilator height and set duration times for water sprays.

Easy to move

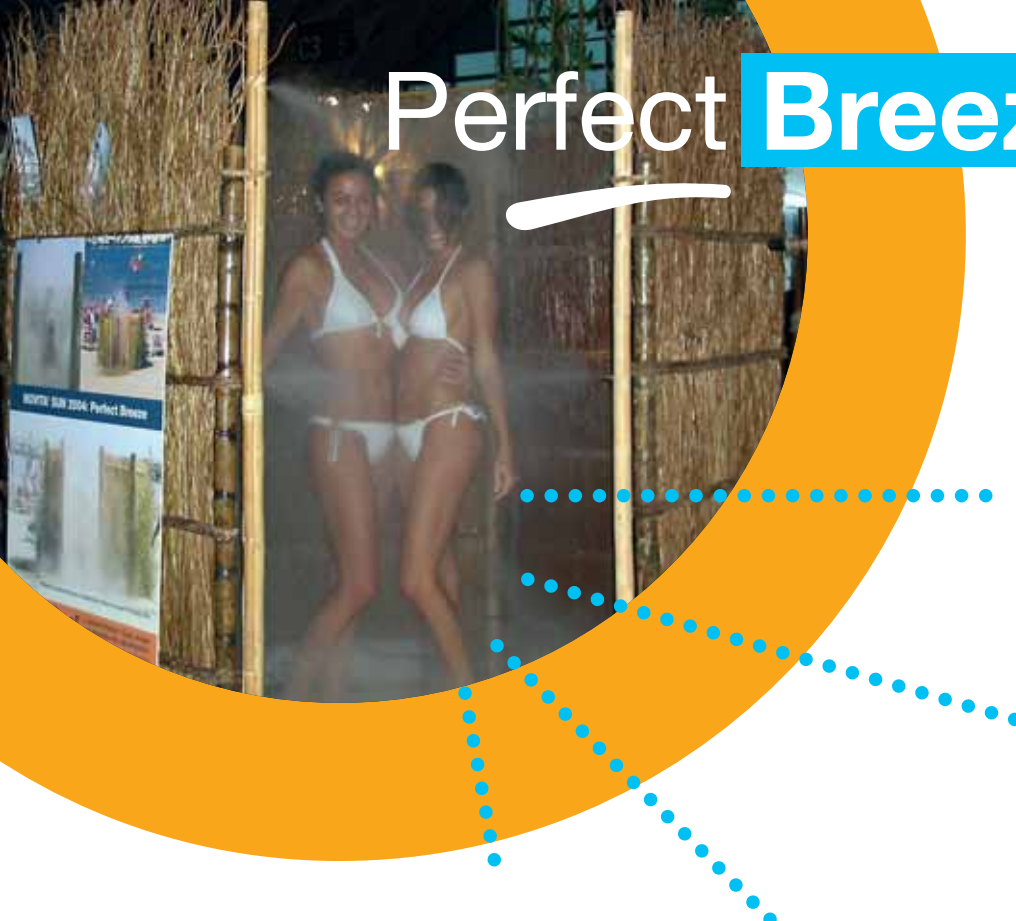
With wheel-mounted structure and incorporated water tank. Only needs connecting to an electrical power supply point.

Functional

the tank is filled with normal tap water, and the ventilator can be used in either fixed or oscillating positions, to give maximum cooling in all conditions.



Perfect Breeze



When the sticky summer heat gets you down, Perfect BREEZE is the ideal solution. A cooling shower of pleasure between bamboo canes and exotic trees, a refreshing breeze of atomized water sprays that can also be perfumed. With the optional Aroma KIT. Perfect BREEZE is truly low on water consumption, needing only 4 litres of water for a spray shower of 3 minutes. Ideal for beach facilities, swimming pools, wellness centres, holiday villages.



Cooling and revitalizing drops of dew in the perfumed jungle depths

Perfect BREEZE is composed of a shower module and a fog module. The fog module brings water from the mains supply up to a pressure of 60 bar. It needs water and electrical power connection points, and can be positioned at any distance from the shower module. The shower module has a switch that operates the timers for shower duration.



Perfect BREEZE is extremely easy to install. Fog module: professional, 2.3 litres/minute, set to 60 bar. Can supply up to 25 0.2 mm nozzles, power 220V-50Hz-0.9 HP, complete with 1-3 micron filter system. Fog module dimensions: H26 L26 D66 cm. Supplied with 20 metres of polyamide pipe for connecting the fog module to the shower.

Technical info

Perfect BREEZE is 200 cm high, occupies a space of around 2 sq. metres and is complete with a hexagonal wooden plinth. Made with panels of bamboo and exotic woods that perfectly conceal the 18 nozzles installed, which release an enjoyable and refreshing water spray.

Technical Catalogue



The metal grips inside the joint prevent the pipe from slipping out.



Manual pressure is sufficient to connect the pipe to the joint, without any need for tools.



PV075

weight 45 gr.
High-pressure pipe
in polyamide, diam.
9.5x5 mm, lengths
of 750 mm



PR25

weight 1450 gr.
High-pressure pipe
in polyamide, diam.
9.5x5 mm,
in 25 metre reels



PR 100

weight 5800 gr.
High-pressure pipe
in polyamide, diam.
9.5x5 mm,
in 100 metre reels



PTT10

weight 25 gr.
Pipe cutter for
polyamide pipe,
diam. 2-12 mm



SIT30

weight 7 gr.
Stainless-steel
rubberized clamp
for fixing
polyamide pipe



VSF14

weight 190 gr.
G1/4F-F ball valve kit,
complete with quick-
fit joints for
opening/closing 60 bar
high-pressure fog line.

Perfect Cool 60 bar polyamide line



RUP10

weight 35 gr.
Nozzle holder joint with 1 hole, brass, 10/24UNC/2A thread, with diam. 9.5 mm quick-fit connector



RPU20

weight 35 gr.
Nozzle holder joint with 2 holes (120°), brass, 10/24UNC/2A thread, with diam. 9.5 mm quick-fit connector



RFL60

weight 25 gr.
Nozzle holder joint for end of line with one hole, brass, 10/24UNC/2A thread, with diam. 9.5 mm quick-fit connector



CLO6

weight 90 gr.
Nozzle holder joint for end of line with six holes, brass, 10/24UNC/2A thread, with diam. 9.5 mm quick-fit connector



RUT20

weight 30 gr.
Pipe connection joint in brass, for diam. 9.5 mm quick-fit connectors



RG400

weight 45 gr.
Elbow joint for pipe connections, in brass, for diam. 9.5 mm quick-fit connectors



RTE30

weight 60 gr.
T-joint for pipe connections, in brass, for diam. 9.5 mm quick-fit connectors



RC600

weight 75 gr.
Cross joint for pipe connections, in brass, for diam. 9.5 mm quick-fit connectors



TRR70


weight 15 gr.
Plug for end of line, in brass, for diam. 9.5 mm quick-fit connectors

Perfect Cool nozzles


Chart: flow (l/min) at indicated pressure

Flow Rate	14BAR	21BAR	28BAR	35BAR	42BAR	56BAR	70BAR	84BAR	100BAR
15	x	x	0,029	0,033	0,036	0,041	0,046	0,051	0,059
20	x	0,049	0,056	0,063	0,069	0,080	0,089	0,098	0,101
30	0,065	0,080	0,092	0,103	0,113	0,130	0,145	0,159	0,166
40	0,080	0,098	0,113	0,126	0,138	0,159	0,178	0,195	0,201
50	0,109	0,134	0,154	0,172	0,189	0,218	0,248	0,267	0,275
60	0,143	0,175	0,202	0,226	0,248	0,286	0,320	0,351	0,361
80	0,195	0,238	0,275	0,308	0,337	0,389	0,435	0,477	0,491
100	0,252	0,308	0,355	0,398	0,436	0,503	0,553	0,617	0,635

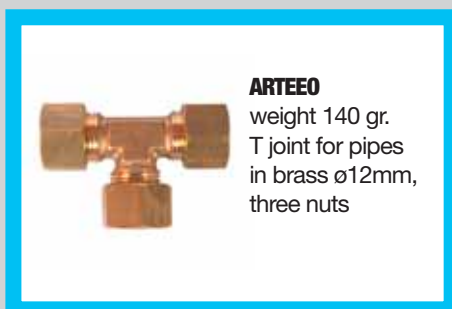
Cleanable fog nozzle in AISI 304 stainless steel with anti-dripping valve

	Code	Flow Rate
		
Thread 10/24UNC/2A		
Weight 9 gr.	IUAG01	15
Material:	IUAG02	20
Brass body	IUAG03	30
Stainless steel cone	IUAG04	40
Stainless steel aperture		
Stainless steel spring		
Rubber sphere		
Stainless steel adaptor		

Cleanable fog nozzle in brass with anti-dripping valve

	Code	Flow Rate
		
Thread 10/24UNC/2A		
Weight 9 gr.	UAG01	15
Material:	UAG02	20
Brass body	UAG03	30
Stainless steel cone	UAG04	40
Stainless steel aperture	UAG05	50
Stainless steel spring	UAG06	60
Rubber sphere	UAG07	80
Brass adaptor	UAG08	100

Perfect Cool steel line



Perfect Cool fog modules

60 bar fog module



Technical characteristics:

- Frame in galvanized sheet steel with stainless steel cover
- High-pressure pump with camshaft, 3 ceramic pistons and brass head
- Water supply filter kit
- Bypass valve
- 230V-50Hz solenoid valve for low water supply pressure
- 230V-50Hz high-pressure solenoid valve for line depressurization
- Low-pressure switch for absence of water supply
- Electrical panel complete with ON/OFF safety breaker, timer to control line depressurization solenoid valve. Prearranged for connection to external devices (thermostat, hygostat, others).

Chart

Code	Model	Up to number of nozzles	Flow	Max. Pressure	Power	Weight (gr)	Dims. (LxDxH)
GP725	Mist 60/25	25	2,3	60	0,9 hp (1x230V)-50Hz	27000	26 x 66 x 26
GP750	Mist 60/50	50	4,0	60	0,9 hp (1x230V)-50Hz	27000	26 x 66 x 26
GP775	Mist 60/75	75	5,5	60	0,9 hp (1x230V)-50Hz	27000	26 x 66 x 26

70 bar fog module



Technical characteristics:

- Frame in galvanized sheet steel with stainless steel cover
- High-pressure pump with camshaft, 3 ceramic pistons and brass head
- Water supply filter kit
- Bypass valve
- 230V-50Hz solenoid valve for low water supply pressure
- 230V-50Hz high-pressure solenoid valve for line depressurization
- Low-pressure switch for absence of water supply
- Electrical panel complete with ON/OFF safety breaker, timer to control line depressurization solenoid valve. Prearranged for connection to external devices (thermostat, hygostat, others).

Chart

Code	Model	Up to number of nozzles	Flow	Max. Pressure	Power	Weight (gr)	Dims. (LxDxH)
GP125	Mist 70-125	125	11	70	2hp (3x400V)-50Hz	32000	32 x 64 x 33
GP170	Mist 70-170	170	15	70	3hp (3x400V)-50Hz	38000	32 x 64 x 33
GP205	Mist 70-205	205	18	70	4hp (3x400V)-50Hz	42000	32 x 64 x 33
GP275	Mist 70-275	275	24	70	5,5hp (3x400V)-50Hz	44500	32 x 64 x 33

PerfectCool
f o g g i n g s y s t e m s
www.perfectcool.it

we offer you:

- free project surveys and estimates
- technical consulting
- assistance centres throughout most of Italy to ensure efficient after-sales service.

Perfect Cool products are sold only through our distribution network, guaranteeing constant and reliable service.

d i s t r i b u t e d b y

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Perfect Cool s.r.l.

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