

2 YEARS
WARRANTY

2013
price list
listino prezzi



misting
driven by excellence

www.tecnocooling.com

IL RAFFRESCAMENTO EVAPORATIVO

Quando una leggera brezza di vento ci sfiora la pelle avvertiamo una sensazione di fresco. L'aria fa evaporare le particelle di acqua presenti sulla nostra pelle per mezzo del calore fornito dal nostro corpo. Questo fenomeno si chiama raffreddamento per evaporazione o "adiabatico".

Pressurizzando l'acqua per mezzo di una pompa ad alta pressione, attraverso i nostri ugelli nebulizzatori brevettati, siamo in grado di creare una nebbia ultra fine composta da milioni di goccioline della dimensione media inferiore ai 10 micron.

Queste goccioline ultra fini, evaporando, assorbono rapidamente l'energia (calore) presente nell'ambiente circostante e diventano vapor acqueo (gas). L'energia (calore) impiegata nella trasformazione dell'acqua in gas è sottratta all'ambiente, determinando così un abbassamento di temperatura dell'aria.

COOLING PRINCIPLE

Evaporative cooling is responsible for the chill you feel when a breeze strikes your skin. The air evaporates the water on your skin, with your body heat providing the energy.

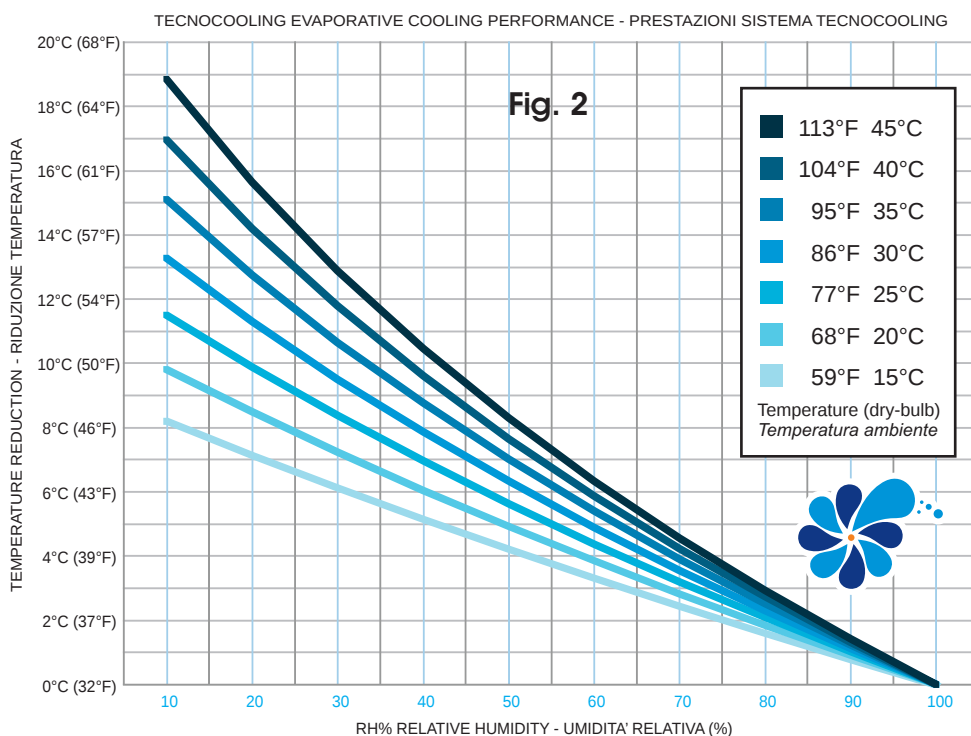
By forcing water, by means of a high pressure pump, through our specially designed misting nozzles, we create a fog of ultra fine water droplets with an average size of less than 10 microns. These tiny water droplets quickly absorb the energy (heat) present in the environment and evaporate, becoming water vapor (gas). The energy (heat) used to change the water to gas is eliminated from the environment, hence the air is cooled.



Fig. 1

Millions of less than 10 microns droplets sprayed by our fog nozzle.

Millioni di microgoccioline del diametro di 10 micron, spruzzate dal ns. ugello nebulizzatore.



Relative humidity is the amount of moisture in the air compared to the amount of moisture the air could absorb at the same temperature, is a crucial factor in determining cooling potential. The lower the relative humidity, the more water can be vaporized, and the more heat can be removed.

Evaporative Cooling can be used effectively in most geographical locations. This is because when temperatures reach their peak during the day, humidity is normally at its lowest point.

L'Umidità Relativa è la quantità di acqua presente nell'aria comparata con l'ammontare di acqua che l'aria è in grado di assorbire alla stessa temperatura ed è un fattore determinante per il potenziale di raffreddamento. Minore è l'Umidità Relativa, maggior quantità d'acqua può essere vaporizzata e di conseguenza può essere eliminata una maggior quantità di calore. Il raffreddamento mediante nebulizzazione può essere impiegato in modo efficiente nella maggior parte delle aree geografiche. Ciò è dovuto al fatto che quando le temperature raggiungono il loro picco durante il giorno, l'umidità si trova normalmente al livello più basso.

PERCHE' TecnoCooling E' LA SCELTA MIGLIORE

Le funzionalità "TIME" e "BPS" fanno la differenza

TIME: reduced water consumption
TIME: riduce il consumo di acqua

Le pompe in versione TIME sono dotate di un timer digitale in grado di gestire diverse funzioni, tra cui la principale è la possibilità di controllare la quantità di micronebulizzazione erogata, impostando la durata di cicli di PAUSA e LAVORO. Questo consente di risparmiare una grande quantità di acqua senza compromettere le prestazioni del sistema.

Durante il ciclo di PAUSA la pompa rimane in funzione. Il sistema «BPS» esegue il ricircolo dell'acqua non più erogata, tramite una vasca di accumulo, consentendo il raffreddamento 30 volte più efficiente di una normale pompa ad alta pressione. Le pompe standard infatti se temporizzate con accensione/spegnimento del motore, surriscaldano velocemente, la ventola di raffreddamento del motore si ferma e l'acqua non raffredda più la pompa. La tenuta delle guarnizioni e di altre parti meccaniche viene così compromessa.

Le pompe TecnoCooling dotate di sistema BPS assicurano una lunga durata e minor manutenzione, inoltre il raffreddamento della pompa aumenta l'effetto raffrescante e le prestazioni del motore, risparmiando energia.

WHY TecnoCooling PUMPS ARE THE BEST CHOICE

"TIME" and "BPS" features make the difference

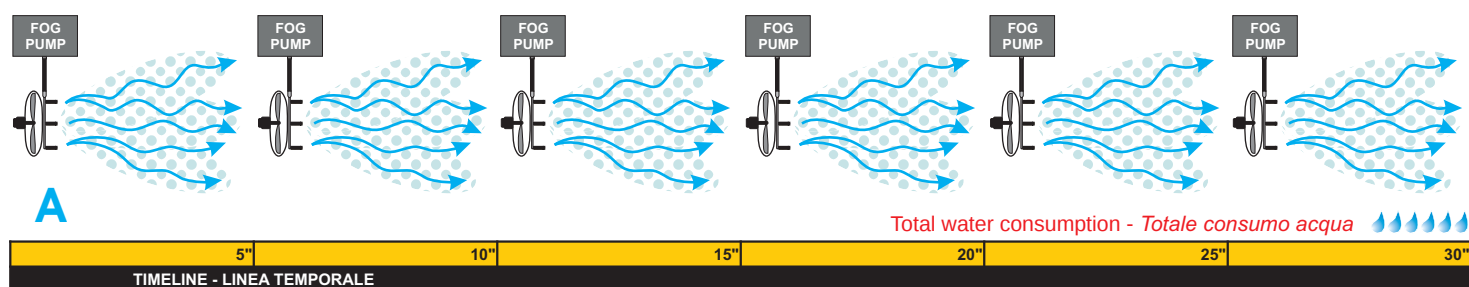


TIME version pumps are supplied with a digital timer that allows to control the amount of misting by programming a timer and setting the duration of ON and OFF spraying cycles.

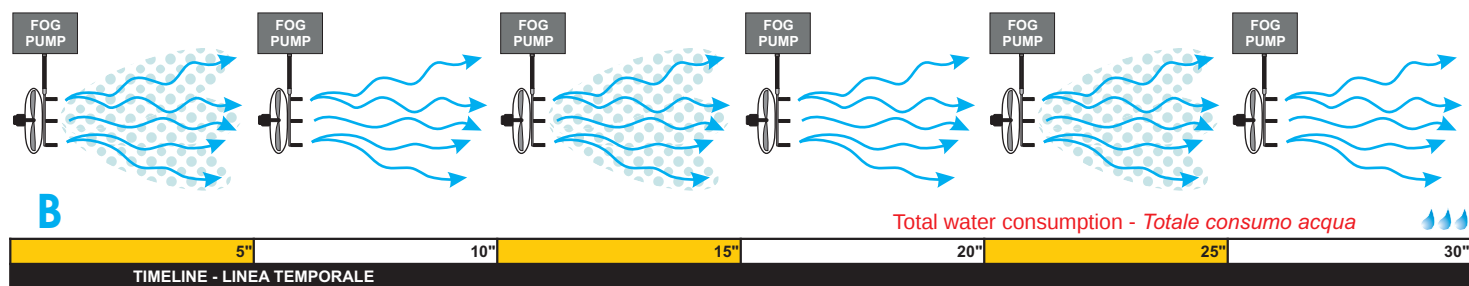
This allows to save a great amount of water without losing evaporative cooling performance.

During the OFF cycle the pump does not stop. The «BPS» system starts recycling the water to an external tank providing a 30 times more efficient pump cooling than a standard H.P. pump. Standard pumps, if switched ON/OFF (by cutting electrical power to the motor), overheat very quickly, the motor fan stops and water does not cool the pump: this causes dramatic seals and other mechanical parts damage after few weeks. TecnoCooling pumps equipped with BPS assure long lifetime and less maintenance, furthermore a cold running pump increases cooling effect and motor performance, saving energy.

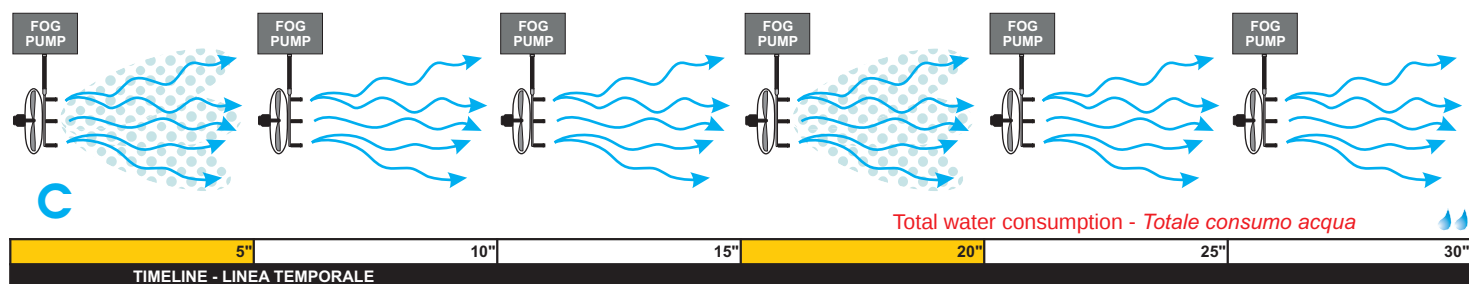
A) "TIME" version pump with **CONTINUOUS** mode setting - Pompa versione "TIME" con **funzionamento in continuo**



B) "TIME" version pump with **5" ON / 5" OFF** mode setting - Pompa versione "TIME" con **funzionamento 5" ON / 5" OFF**

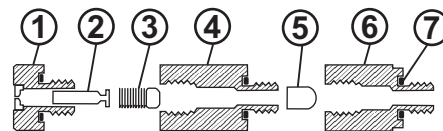


C) "TIME" version pump with **5" ON / 10" OFF** mode setting - Pompa versione "TIME" con **funzionamento 5" ON / 10" OFF**



UGELLI NEBULIZZATORI e ACCESSORI

CLEANABLE NOZZLES and ACCESSORIES



TCN 10/24" Ugello ripulibile Noxide/acciaio inossidabile - TCN 10/24" type Noxide/S.Steel Nozzle

Testata e deflettore estraibile in acciaio inox per assicurare un'ottima pulizia

With Stainless Steel head and impeller plate, which is able to be taken apart for cleaning

Con valvola antigoccia e filtro da 25 micron - With anti-drip check valve and 25 micron filter

Cod.	Item No.	Orifice	Anti-drip type	Prezzo/Price
EC130159		0.15mm	NBR 55	Euro 9.60
EC130209		0.20mm	NBR 55	Euro 8.00
EC130309		0.30mm	NBR 55	Euro 6.50
EC130409		0.40mm	NBR 55	Euro 6.00
EC130509		0.50mm	NBR 55	Euro 6.00

NOXIDE
Oxidation-Acids
Resistive coating



TCN 10/24" Ugello ripulibile completamente in acciaio inossidabile - TCN 10/24" type Stainless Nozzle

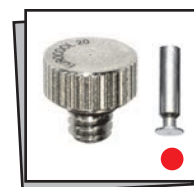
Testata e deflettore estraibile in acciaio inox per assicurare un'ottima pulizia

With Stainless Steel head and impeller plate, which is able to be taken apart for cleaning

Con valvola antigoccia e filtro da 25 micron - With anti-drip check valve and 25 micron filter

Cod.	Item No.	Orifice	Anti-drip type	Prezzo/Price
EC140159		0.15mm	Viton 55	Euro 18.00
EC140209		0.20mm	Viton 55	Euro 16.00
EC140309		0.30mm	Viton 55	Euro 15.50
EC140409		0.40mm	Viton 55	Euro 13.50
EC140509		0.50mm	Viton 55	Euro 13.50

S.STEEL
Oxidation-Acids
Resistive metal



TCN 12/24" Testina ugello in acciaio inossidabile - TCN 12/24" type Stainless Steel Nozzle ONLY

Con deflettore estraibile in acciaio inossidabile per assicurare un'ottima pulizia - Senza valvola antigoccia

With stainless impeller plate, which is able to be taken apart for cleaning - Without anti-drip check

Cod.	Item No.	Orifice	Anti-drip type	Prezzo/Price
EC240151		0.15mm	---	Euro 9.00
EC240201		0.20mm	---	Euro 6.50
EC240301		0.30mm	---	Euro 6.00
EC240401		0.40mm	---	Euro 5.00
EC240501		0.50mm	---	Euro 5.00

S.STEEL
Oxidation-Acids
Resistive metal



TCN spare parts - Parti di ricambio per ugelli serie TCN

Cod.	Item No.	Prezzo/Price
EC200007	Molla calibrata x sistema antigoccia ugello - Spring	Euro 0.60
EC200010	O-Ring 10/24" NBR - O-Ring 10/24"	Euro 0.30
EC200012	O-Ring 12/24" NBR - O-Ring 12/24"	Euro 0.30

1-Testina 2-Pistoncino antigoccia 3-Molla antigoccia 4-Corpo 5-Filtro 6-Corpo 7-O-ring
1-Head 2-Anti-drip piston 3-Anti-drip spring 4-Body 5-Filter 6-Body 7-O-ring

UGELLI NEBULIZZATORI e ACCESSORI CLEANABLE NOZZLES and ACCESSORIES

NOXIDE
Oxidation-Acids
Resistive coating

Prolunghe per ugelli in Ottone
Brass nozzle extenders

Prolunghe flessibili in Ottone-Rame
Flexible Brass-Copper nozzle extenders

						
Cod.	EC41010A	EC41010B	EC41010C	EC41015C	EC41020C	EC41030C
Item No.	CV1010-05cm	CV1010-10cm	FLEX-10cm	FLEX-15cm	FLEX-20cm	FLEX-30cm
Length	5 cm	10 cm	10 cm	15 cm	20 cm	30 cm
Description	* Filetto Femmina - Female Thread: 10/24" * Filetto Maschio - Male Thread: 10/24"		* Filetto Femmina - Female Thread: 10/24" * Filetto Maschio - Male Thread: 10/24"		* Filetto Femmina - Female Thread: 10/24" * Filetto Maschio - Male Thread: 10/24"	
Prezzo/Price	Euro 4.00	Euro 6.00	Euro 5.80	Euro 6.90	Euro 7.80	Euro 8.60



Cod.	Item No.	Description	Prezzo/Price
	EC410901	Connettore per 4 ugelli ad ombrello 4 nozzles umbrella adapter 1x M10/24" - 4x F10/24"	Euro 8.60



Cod.	Item No.	Description	Prezzo/Price
	EC410902	Connettore per 3 ugelli ad ombrello 3 nozzles umbrella adapter 1x M10/24" - 3x F10/24"	Euro 8.60



Cod.	Item No.	Description	Prezzo/Price
	EC410900	Raccordo orientabile a sfera MF 10/24" Adjustable angle coupling MF 10/24"	Euro 6.80

Raccordi 3/8" ad innesto rapido e tubi linea POLYAMMIDE

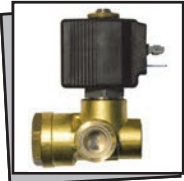
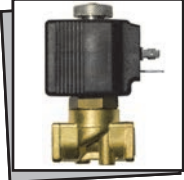
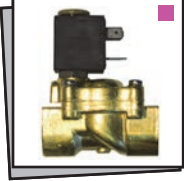
Standard 3/8" Push-In fittings and tubing for POLYAMMIDE line

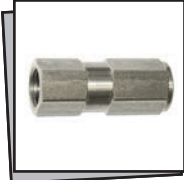
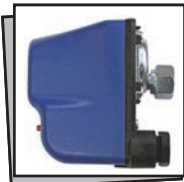
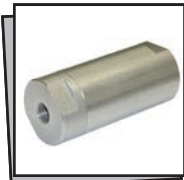
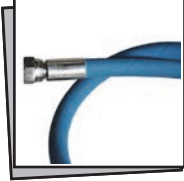
Cod.	Description	Cod.	Description
 EC300001	Raccordo portaugello ad innesto 3/8" con 1 foro 10/24" 3/8" Euro 8.50 Fitting for nozzle 10/24"	 EC400021	Tubo alta pressione PA-RIGID 3/8" in rotolo 25 mt. - BIANCO Euro 87.50 3/8" nylon tubing in coil form 25 mt. PA-RIGID - WHITE
 EC300002	Raccordo portaugelli per 2 ugelli da 10/24" ad innesto 3/8" Euro 9.80 3/8" Fitting for 2 nozzles 10/24"	 EC400022	Tubo alta pressione PA-RIGID pretagliata 80 cm - BIANCO Euro 3.70 80 cm length nylon straight tubing 3/8" PA-RIGID - WHITE
 EC300003	Raccordo unione ad innesto 3/8" Euro 6.90 3/8" tube coupling	 EC400027	Graffa fissatubo da 3/8" in acciaio con guarnizione BIANCA Euro 0.95 Clamp for 3/8" tubing WHITE
 EC300013	Raccordo portaugello ad innesto di fine linea Euro 6.50 3/8" End Fitting for 1 nozzle	 EC400001	Tubo alta pressione PA-RIGID 3/8" in rotolo 25 mt. - NERO Euro 87.50 3/8" nylon tubing in coil form 25 mt. PA-RIGID - BLACK
 EC300004	Raccordo a Tee ad innesto 3/8" Euro 15.90 3/8" T Fitting	 EC400004	Tubo alta pressione PA-RIGID 3/8" in rotolo 50 mt. - NERO Euro 175.00 3/8" nylon tubing in coil form 50 mt. PA-RIGID - BLACK
 EC300005	Raccordo curva 90° ad innesto 3/8" Euro 12.20 3/8" L Fitting	 EC400003	Tubo alta pressione PA-RIGID 3/8" in rotolo 100 mt. - NERO Euro 350.00 3/8" nylon tubing in coil form 100 mt. PA-RIGID - BLACK
 EC300026	Raccordo inizio 3/8" tubo x 1/4" BSP Euro 5.90 1/4" BSP male connector for 3/8" tube	 EC400002	Tubo alta pressione PA-RIGID pretagliata 80 cm - NERO Euro 3.70 80 cm length nylon straight tubing 3/8" PA-RIGID - BLACK
 EC300010	Adattatore Tubo-Ugello tubo 3/8"-ugello 10/24" Euro 6.20 3/8" tube to nozzle adaptor	 EC400007	Graffa fissatubo da 3/8" in acciaio con guarnizione - NERA Euro 0.95 Clamp for 3/8" tubing - BLACK
 EC300009	Tappo di fine linea da 3/8" Euro 2.70 3/8" end plug	 EC400010	Pinza tagliatubi in metallo per tubi fino a 1/2" Euro 16.90 High quality tubing cutter
 EC400009	Valvola a sfera di intercettazione con raccordi innesto 3/8" - 80 bar Euro 26.00 On/Off slip lock Valve - 1150 psi		

NOXIDE
Oxidation-Acids
Resistive coating

- 3/8" tubing = Ø 9,52 mm
- Pressione nominale - Operating pressure: 100 bar (1450 psi)
- Pressione max. consentita - Max allowed pressure: 130 bar (1890 psi)
- Max. misting line length - Lunghezza massima linea: 90 m (300 Ft)
- Max. flow rate - Portata massima linea: 11 l/min (2.9 Gpm)

ACCESSORI e RICAMBI ACCESSORIES and SPARE PARTS

Cod.	Description
 EC309002	Connettore per bobina elettrovalvola tipo C1 Solenoid coil plug C1 version Euro 3.90
 EC309006	Connettore per bobina elettrovalvola tipo C4 Solenoid coil plug C4 version Euro 3.90
 EC309007	Elettrovalvola alta pressione NC High pressure solenoid valve NC F1/4" F1/4 230V50Hz 80 BAR Euro 85.00
 EC309005	Elettrovalvola alta pressione NC High pressure solenoid valve NC F3/8" F3/8" 230V50Hz 100 BAR Euro 190.00
 EC309004	Elettrovalvola alta pressione NA High pressure solenoid valve NO F1/4" F1/4" 230V50Hz 60 BAR Euro 85.00
 EC309001	Elettrovalvola bassa pressione NC Low pressure solenoid valve NC F3/8" F3/8" 230V50Hz 16 BAR Euro 64.50
 EC309022	Elettrovalvola alta pressione NC High pressure solenoid valve NC F1/4" F1/4 24V AC 80 BAR Euro 85.00
 EC309021	Elettrovalvola alta pressione NC High pressure solenoid valve NC F3/8" F3/8" 24V AC 100 BAR Euro 190.00

Cod.	Description
 EC309020	Valvola di non ritorno inox Stainless steel check valve F 1/4" F 1/4" 400 BAR Euro 29.40
 EC309003	Pressostato inverso con Reset 230V 50Hz F 3/8" Pressure switch 230V 50Hz F 3/8" Euro 29.00
 EC500009	Sistema filtrante alta pressione 1/4" F x 1/4" F High pressure filter 1/4" F x 1/4" F Euro 98.00
 EC400030	Tubo flessibile 1/4" A.P. 8 m High pressure hose 1/4" 8 m F22X1,5 F1/4" brass / ottone Euro 50.00
 EC400031	Tubo flessibile 3/16" A.P. 2,5 m High pressure hose 3/16" 2.5 m F1/4" F1/4" brass / ottone Euro 32.00
 EC400032	Tubo flessibile 5/16" A.P. 1 m High pressure hose 5/16" 1 m F3/8" F3/8" s.steel / inox Euro 90.00
 EC309010	Timer ciclico ON/OFF digitale Digital ON/OFF cyclic timer 230-115V 50-60Hz Euro 118.00
 EC100007	Programmatore inverter VAR VAR pumps programmer Euro 198.00

LINEA VENTILAZIONE

MIST COOLING FANS

La ventilazione come diffusore per la nebulizzazione diventa un elemento indispensabile per sistemi in ambienti interni o semi-aperti, per locali pubblici quali bar, discoteche o ristoranti, per il noleggio o le grandi manifestazioni.



Ghiera portaugelli 4 fori d.32 cm - Misting ring 4 Holes d.32 cm

Cod.	Item No.	Descrizione	Description	Prezzo/Price
EC600003	Ring 4	Ghiera portaugelli in acciaio inox 316 con 4 manicotti saldati filettatura 10/24" diam. 32 cm. per ventilatori da 45 cm con innesto F 1/4"	Aisi 316 s.steel misting ring 4 holes thread 10/24" dia. 32 cm. suitable for 45cm fans F 1/4" hose connection	Euro 89.00



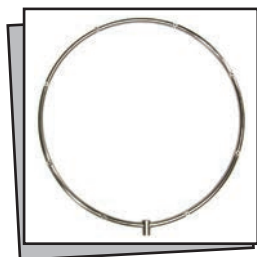
Ghiera portaugelli 5 fori d.40 cm - Misting ring 5 Holes d.40 cm

Cod.	Item No.	Descrizione	Description	Prezzo/Price
EC600004	Ring 5	Ghiera portaugelli in acciaio inox 316 con 5 manicotti saldati filettatura 10/24" diam. 40 cm. per ventilatori da 60 cm con innesto F 1/4"	Aisi 316 s.steel misting ring 5 holes thread 10/24" dia. 40 cm. suitable for 60cm fans F 1/4" hose connection	Euro 98.00



Ghiera portaugelli 8 fori d.47 cm - Misting ring 8 Holes d.47 cm

Cod.	Item No.	Descrizione	Description	Prezzo/Price
EC600005	Ring 8-47	Ghiera portaugelli in acciaio inox 316 con 8 manicotti saldati filettatura 10/24" diam. 47 cm - per ventilatori 60-100 cm con innesto F 1/4"	Aisi 316 s.steel misting ring 8 holes thread 10/24" dia. 47 cm - suitable 60-100 cm. fans F 1/4" hose connection	Euro 136.00



Ghiera portaugelli 8 fori d.80 cm - Misting ring 8 Holes d.80 cm

Cod.	Item No.	Descrizione	Description	Prezzo/Price
EC600006	Ring 8-80	Ghiera portaugelli in acciaio inox 316 con 8 manicotti saldati filettatura 10/24" diam. 80 cm - per ventilatori 100-140 cm con innesto F 1/4"	Aisi 316 s.steel misting ring 8 holes thread 10/24" dia. 80 cm - suitable FOR 100-140 cm. fans F 1/4" hose connection	Euro 158.00



Misting fans are the best solution for open areas, to provide air flow and cooling with the best efficiency. The two integrated systems, ventilation and misting, together ensure the best result against the high levels of relative humidity in the hot seasons.

LINEA VENTILAZIONE

MIST COOLING FANS

La fusione tra ventilazione e nebulizzazione offre la soluzione più potente ed il migliore risultato per il sistema di rinfrescamento specialmente in caso di alti livelli di umidità relativa.



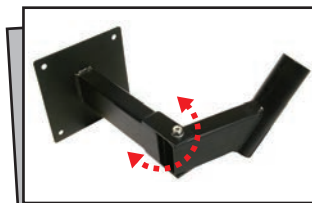
Ventilatore industriale per montaggio a parete - Heavy duty Wall Mounting fan

Cod.	Descrizione	Description	Prezzo/Price
EC600051	EC600051 - 230V 50Hz Ventilatore assiale 45 cm a 3 velocità montaggio a parete con staffa di fissaggio con brandeggio 90° adatto per uso interno (motore ventilato) Velocità aria 200 m/min Portata 6.400 m3/h Emissione acustica: 43 dB(A) Potenza: 75W (0.34 A)	EC600051 - 230V 50Hz 3 speed axial mist cooling fan - dia. 45 cm wall mounting - standard bracket included 90° luffing suitable for indoor use (open type motor) Air speed 200 mt/min Air flow 6,400 m3/h Background noise level: 43 dB(A) Power: 75W (0.34 Amps)	Euro 146.00



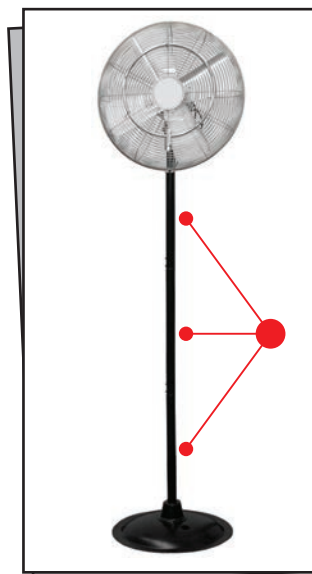
Ventilatore industriale per montaggio a parete - Heavy duty Wall Mounting fan

Cod.	Descrizione	Description	Prezzo/Price
EC600001	EC600001 - 230V 50Hz Ventilatore assiale 60 cm a 3 velocità montaggio a parete con staffa di fissaggio con brandeggio 90° Velocità aria 507 mt/min Portata 12.500 m3/h Emissione acustica: 42.2 dB(A) Potenza: 167W (0.72 A)	EC600001 - 230V 50Hz 3 speed axial mist cooling fan - dia. 60 cm wall mounting - standard bracket included 90° luffing Air speed 507 mt/min Air flow 12,500 m3/h Background noise level: 42.2 dB(A) Power: 167W (0.72 Amps)	Euro 320.00



Staffa orientabile per ventilatore EC600001 - Adjustable Tilting Wall Mount Bracket for EC600001 fan

Cod.	Descrizione	Description	Prezzo/Price
EC600008	Staffa per montaggio a parete con braccio orientabile di 180° adatta al posizionamento in angolo	Wall mount bracket with 180° adjustable arm suitable for angle mounting	Euro 99.00



Piedistallo in 3 pz. per ventilatore EC600001 - 3 pcs. pedestal for EC600001 fan

Cod.	Descrizione - Description	Prezzo/Price
EC600002	In 3 pz. - Altezza massima 175 cm. 3 pcs. max. height 175 cm.	Euro 99.00



LINEA VENTILAZIONE

MIST COOLING FANS

Per la climatizzazione di grandi ambienti, i sistemi di nebulizzazione industriali offrono enormi vantaggi grazie alle elevate prestazioni ed ai consumi ridotti, se paragonati ai sistemi tradizionali.



Ventilatore industriale a sospensione - Heavy duty Hanger fan

Cod.	Descrizione	Description	Prezzo/Price
EC600050	EC600050 - 230V 50Hz Ventilatore assiale 45 cm a 3 velocità per montaggio in sospensione senza oscillazione con accessori per fissaggio Velocità aria 200 mt/min Portata 6.500 m3/h Emissione acustica: 42.2 dB(A) Potenza: 75W (0.34 A)	EC600050 - 230V 50Hz 3 speed axial mist cooling fan - dia. 45 cm roof mountig - non-oscillating mounting accessories included Air speed 200 mt/min Air flow 6,500 m3/h Background noise level: 42.2 dB(A) Power: 75W (0.34 Amps)	Euro 98.00

Ventilatore industriale a sospensione - Heavy duty Hanger fan

Cod.	Descrizione	Description	Prezzo/Price
TC600140	TC600140 - 400V 50Hz Ventilatore tubolare 47 cm per montaggio in sospensione in acciaio inox, pale in plastica Velocità aria 300 m/min Portata 7000 m3/h Emissione acustica: 56 dB(A) Potenza: 250W (0.6 A) - 960 RPM	TC600140 - 400V 50Hz 47 cm drum fan roof mountig - non-oscillating s.steel body - plastic blades Air speed 300 m/min Air flow 7000 m3/h Background noise level: 56 dB(A) Power: 250W (0.6 Amps) - 960 RPM	Euro 495.00



Heavy duty misting fans offer great benefits in industrial indoor cooling thanks to high performances and low energy consumption, if compared to standard air conditioning systems.



MOBI-COOL

Stand-alone high pressure misting fan

MOBI-COOL is a stand-alone, high-pressure, low-noise misting fan with cooling effect.

Thanks to the built-in pressurization system, MOBI-COOL is capable of mixing atomized water to the airflow, thus producing a cooling effect all around.

Finally! Enjoy a cool summer also outdoor and without fixed installations. MOBI-COOL is really a special fan, quiet, effective, fully autonomous with a high capacity water tank that guarantees from 3 up to 5 hours of autonomy. MOBI-COOL is quiet, its electrical QES motor and pump are noiseless, less than 55 dB noise emission, thanks to a low consumption technology designed for applications in environments requiring low noise emissions.

TECHNICAL FEATURES

- professional high pressure pump with aluminium head
- working pressure: 70 bar
- 3 heavy duty stainless steel pistons
- variable flow rate, built-in by-pass
- safety valve
- heavy duty industrial motor, 550 W self-ventilated
- thermal overload protection
- 60 liters (15.85 Gallons) water tank
- OFF/FAN-ON/FAN AND MISTING ON switch
- electric float switch level controller to protect pump against dry running
- weight balanced, wheels and handle for easy displacement
- manufactured in compliance with CE regulations
- noise level: 55 dB(A) (average)

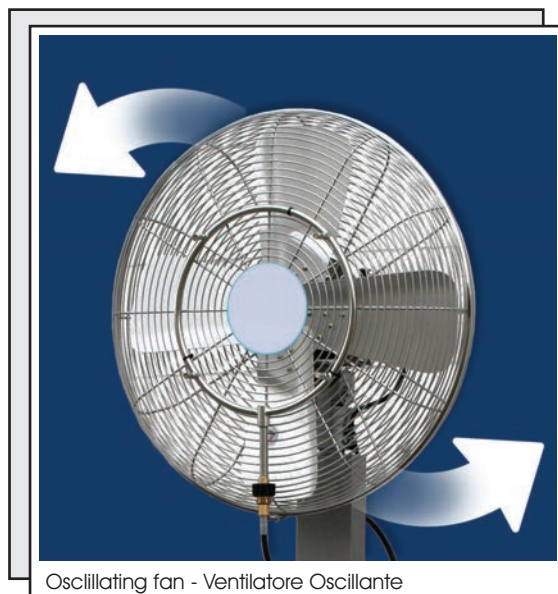
QES: units supplied with QES low noise motors (Quiet Engine System) are peculiarly preferred in resorts, swimming pools, bars, restaurants, hotels, where noise may disturb your guests.

BPS: all units are equipped with By-Pass System (built-in by-pass valve), recirculating the water inside the pump, preventing from pump overheating. Fog systems driven by BPS fog pumps do not require any drain valves to empty the pipe so that no water is wasted on the ground.

USES

Gardens, parks, verandas, beaches, public places, bars, restaurants, hotels, swimming pools, sport events, parties, factories, warehouses, shopping malls, discoteques, ceremonies, and any other area to be cooled.

Fill up the tank with clean fresh water, plug-in, switch on. In a while a fresh breeze will make your summer more pleasant.



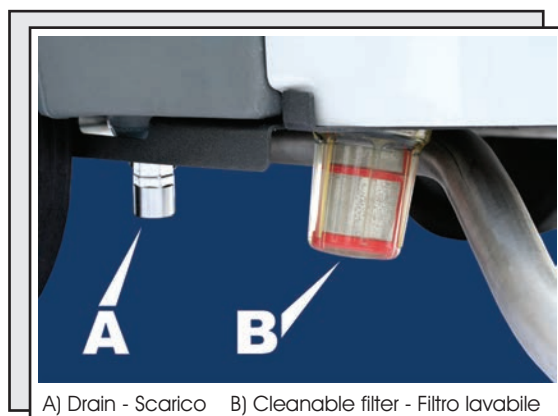
Oscillating fan - Ventilatore Oscillante

Super Quiet Engine!
Less than 55 dB(A)

Area Coverage:
over 50 m² !



Adjustable height - Altezza regolabile



A) Drain - Scarico B) Cleanable filter - Filtro lavabile

Mobi-Cool										
Code Codice	Pressure Pressione		Output Portata		Power Potenza		Autonomia Running time		Volt	Price Prezzo
	Bar	psi	l/min	gpm	W	Ah	H/Hours	50Hz		
EC600090	70	1000	0,31	0.08	550	2.4	3	230	4 x 0.20	2390.00
EC600091	70	1000	0,18	0.05	550	2.4	5	230	4 x 0.15	2390.00

- Reduces flying insects
- Lowers temperature
- Absorbs dust and pollen

PREMIUM series

for systems from 4 up to 75 fogging nozzles

These professional high pressure pumps offer the best solution for small and medium fogging systems with flow rates from 0,6 up to 6 liters/min. driven by single-phase motors.

High quality components ensure a long lasting operation.

Premium Series are designed to satisfy all requirements in small and economical misting systems, with same performances and quality standards of a heavy-duty professional high pressure pump.

TECHNICAL FEATURES

- professional high pressure pump
- operating pressure: 70 bar
- 3 ceramic pistons, brass head
- pressure regulating valve, built-in by pass,
- glycerine filled pressure gauge
- in line mounted solenoid valve 230V-50Hz
- industrial electrical motor with thermal overload
230V 1450 RPM, 2.2 HP air cooled
- ON-OFF switch
- pressure switch to prevent dry running
- weather proof painted steel cover and frame on antivibrating rubber feet
- manufactured in compliance with CE regulations
- noise level: 60 dB(A) (average)



QES: units supplied with QES low noise motors (Quiet Engine System) are peculiarly preferred in resorts, swimming pools, bars, restaurants, hotels, where noise may disturb your guests.



Premium

Dimensions: l. 400 w. 300 h. 270 mm

Weight: 20 Kg.



Premium 1450 rpm										
Code Codice	Pressure Pressione		Output Portata		Power Potenza		RPM	Volt	Ugelli* Nozzles *	Price Prezzo
	Bar	psi	l/min	gpm	W	Ah	N° giri/l'	50Hz	Min/Max	€ Euro
EC307025	70	1000	0,6	0.16	440	2.5	1450	230	4 - 7	749.00
EC307020	70	1000	1	0.26	550	2.8	1450	230	8 - 12	749.00
EC307021	70	1000	2	0.53	680	3.1	1450	230	15 - 25	749.00
EC307022	70	1000	3	0.78	815	3.7	1450	230	25 - 40	749.00
EC307023	70	1000	4	1.06	900	4.1	1450	230	40 - 50	749.00
EC307024	70	1000	6	1.59	1250	5.7	1450	230	50 - 75	749.00

* 0.20 mm / 0.008" Nozzles

PREMIUM "TIME" series

for systems from 4 up to 75 fogging nozzles

These series of professional high pressure pumps are the suitable solution with high quality and safety standard for all requirements to build professional misting systems with flow rates ranging from 1 up to 6 l/min with single phase electric motor.

All the components used in Premium series include high quality and best materials assuring troubleless operation and long durability. Our built-in digital timer offers full control of the efficiency of the fogging system by direct adjustment of the frequency of mist spray increasing the advantages on water and energy consumption with savings up to 70% if compared to standard systems.

This pump is suitable for small and medium humidification systems thanks to the special programming of the built-in timer that allows you to set work cycles in seconds and pause cycles in minutes.

QES electrical motors assure the full efficiency with lowest power consumption and low noise operation.

Heavy-duty pumps at most competitive prices.



Premium Time

Dimensions: l. 490 w. 410 h. 300 mm

Weight: 22-25 Kg according to model

TECHNICAL FEATURES

- professional high pressure pump, brass head
- working pressure 70 bar
- 3 heavy duty ceramic coated plungers
- pressure regulating valve, built-in bypass
- glycerin filled pressure gauge
- 1 in line mounted solenoid valve 230V-50Hz
- 1 solenoid drain valve 230V-50Hz
- heavy duty industrial motor, single phase 2.0 HP, 1450 RPM, self ventilated
- thermal overload protection
- ON-OFF switch
- 3 functions cyclic digital timer
- weatherproof steel skid cover on antivibration rubber feet
- S.STEEL housing on request (optional)
- manufactured in compliance with CE regulations
- noise level: 60 dB(A) (average)

Default Timer settings:

- WORK: seconds
- PAUSE: minutes (motor OFF)

The best solution
for humidification!



QES: units supplied with QES low noise motors (Quiet Engine System) are peculiarly preferred in resorts, swimming pools, bars, restaurants, hotels, where noise may disturb your guests.

TIME: all units supplied with digital timer allow to modulate the operation of the system, regulating the mist spray according to day-night cycles and therefore saving energy and water, obtaining an optimal ambient temperature.

Premium-Time 1450 rpm										
Code Codice	Pressure Pressione		Output Portata		Power Potenza		RPM	Volt	Ugelli* Nozzles *	Price Prezzo
	Bar	psi	l/min	gpm	W	Ah				
EC307041	70	1000	1	0.26	550	2.8	1450	230	8 - 12	1180.00
EC307042	70	1000	2	0.53	680	3.1	1450	230	15 - 25	1180.00
EC307043	70	1000	3	0.78	815	3.7	1450	230	25 - 40	1180.00
EC307044	70	1000	4	1.06	900	4.1	1450	230	40 - 50	1180.00
EC307045	70	1000	6	1.59	1250	5.7	1450	230	50 - 75	1180.00

* 0.20 mm / 0.008" Nozzles

TIME
Energy Saver Timer

QES
Quiet Engine System

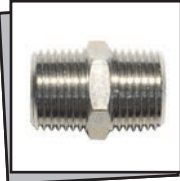
GRUPPO FILTRANTE STANDARD e ACCESSORI STANDARD FILTERS KIT and ACCESSORIES



Kit gruppo filtri con accessori e manometro
2x 9" 1/2 - 5+1 micron IN 3/4F - OUT 10 mm
2x 9"x1/2 Filters KIT with pressure gauge
5+1 micron - IN 3/4F - OUT 10mm

Cod.
EC500005

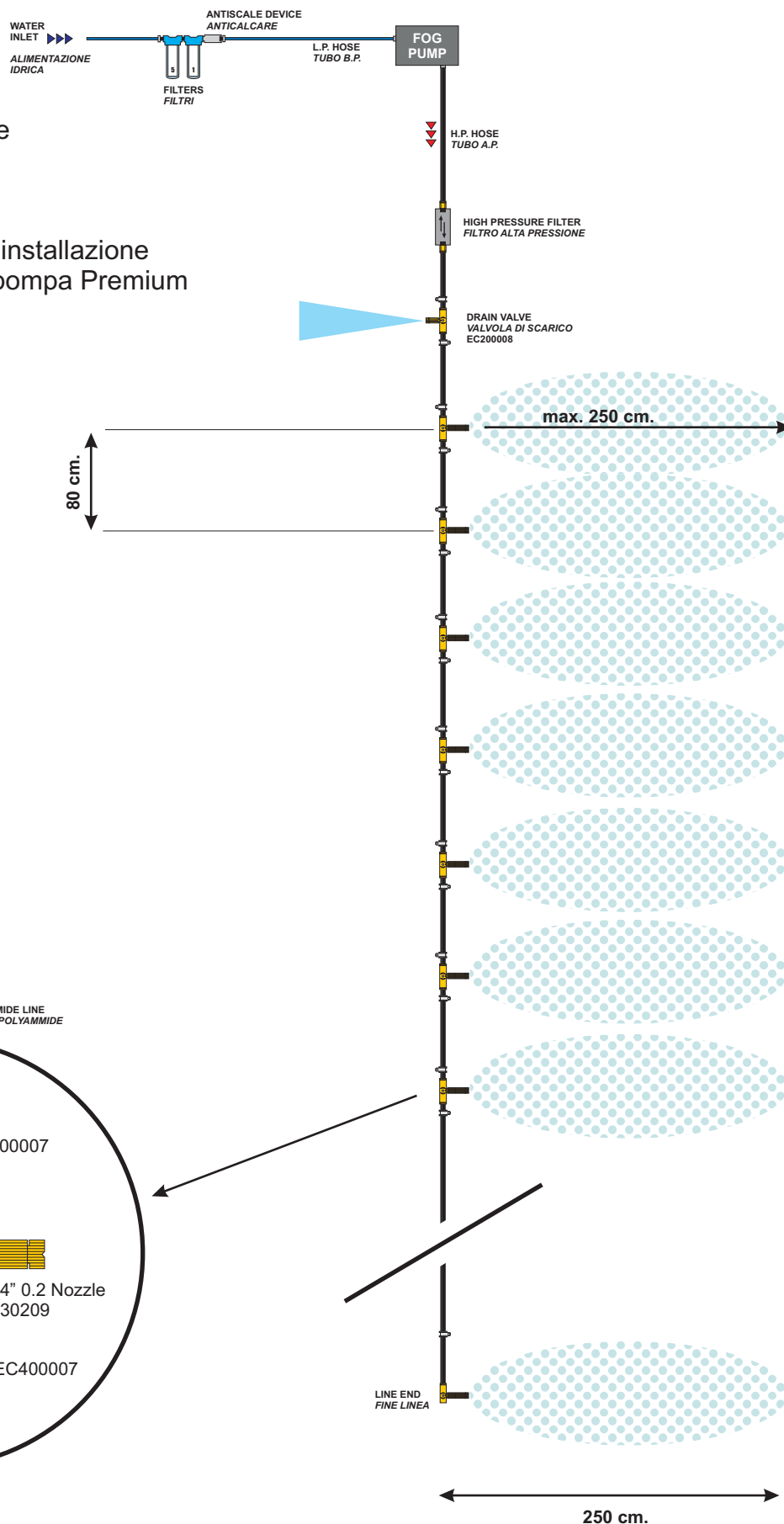
Euro 129.00

Cod.	Description
 EC508002	Raccordo diritto 1/2" M-10 ottone Push-in brass connection Euro 4.50
 EC508001	Nipplo 1/2 MM ottone 1/2" MM brass coupling Euro 2.00
 EC508007	Riduzione 1/2" M-3/4" M ottone 1/2" M 3/4" M brass coupling Euro 4.70
 EC508008	Tubo di carico 3/4" FF 200 cm. Inlet water hose 3/4" FF 200 cm. Euro 7.50
 EC508006	Tubo di raccordo alla pompa 10x8 plastico 150 cm. 10x8 plastic hose 150 cm Euro 3.60
 EC508009	Dispositivo anticalcare magnetico 3/8" MF Antiscale device 3/8" MF Euro 46.00

Cod.	Description
 EC909091	Staffa portafiltro a parete Double filter wall-bracket Euro 7.50
 EC509090	Contenitore per filtro Cartridge container Euro 33.50
 EC509001	Filter cartridge 1 micron
 EC509005	Filter cartridge 5 micron
 EC509010	Filter cartridge 10 micron
	Euro 11.00
 EC508010	Manometro 0-12 BAR 1/8" post. Pressure gauge 0-12 BAR Euro 6.40
 EC508011	Prolunga 1/8" MF ottone 1/8" MF brass coupling Euro 2.90

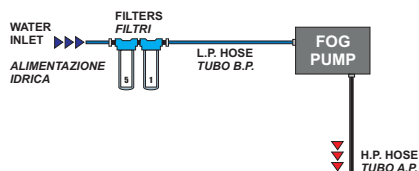
Mounting layout example
Polyamide pipes line
and Premium pump

Schema esemplificativo installazione
Linea Polyamide con pompa Premium



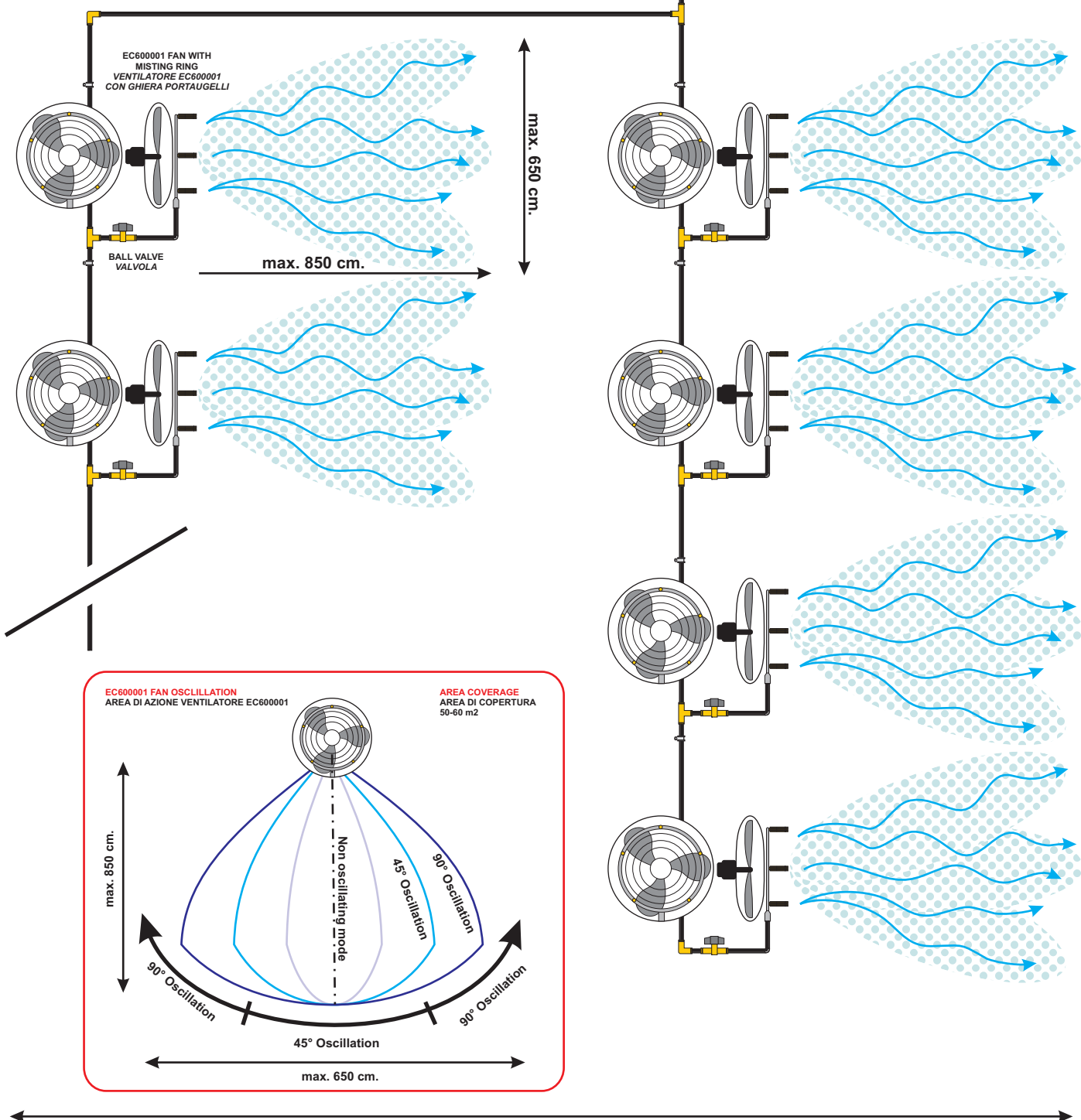
Mounting layout example
Schema esemplificativo
di installazione

EC600001 cooling fans with polyamide pipeline
Ventilatori raffrescanti EC600001 con linea polyamide



- 1) Fans should be mounted 7 meters far from each other and no more than 10 meters
- 2) Fans must be mounted at 240/300 cm. height from floor

- 1) La distanza consigliata tra i ventilatori è di 7 metri e non deve superare i 10 metri
- 2) Montare i ventilatori a parete ad una altezza compresa tra 240 e 300 cm. dal suolo



14 mt.

TABELLA PORTATE UGELLI NEBULIZZATORI

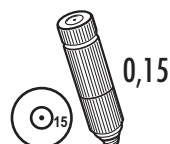
FOG NOZZLES FLOW RATES TABLE

Tested with water under controlled Laboratory conditions and 1 U.S. Gallon = 3.78 Liters approx.
 ***Other orifice sizes available on request.

Dati rilevati da test di laboratorio.
 Conversione 1 U.S. Gallon = 3.78 Litri
 ***Ugelli con foro/portata fuori standard su richiesta

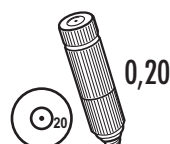
Tabella: Portata (GPH) (LPH) (LPM) alle pressioni indicate (BAR) (PSI)

Table: Flow rate (GPH) (LPH) (LPM) versus operating pressure (BAR) (PSI)

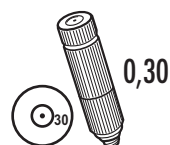


ORIFICE DIAMETER	BAR PSI	3 42	4 56	7 100	10 142	15 213	25 355	35 500	45 640	70 1000	84 1200	100 1420
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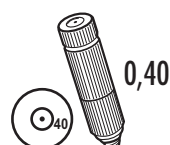
.006"/.15 mm	GPH		--	--	--	--	0,44	0,52	0,60	0,73	0,80	0,93
	LPH						1,68	1,98	2,28	2,76	3,06	3,54
	LPM						0,0280	0,0330	0,0380	0,0460	0,0510	0,0590



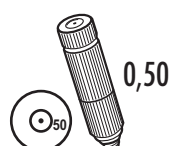
.008"/.20mm	GPH		--	--	--	--	0,77	0,92	1,05	1,25	1,55	1,60
	LPH						2,88	3,41	3,86	4,72	5,88	6,06
	LPM						0,0480	0,0568	0,0643	0,0787	0,0980	0,1010



.012"/.30mm	GPH	0,37	0,43	0,55	0,68	0,78	1,03	1,23	1,41	1,74	2,52	2,63
	LPH	1,34	1,55	2,05	2,45	3,00	3,87	4,74	5,20	6,48	9,54	9,96
	LPM						0,0645	0,0790	0,0867	0,1080	0,1590	0,1660



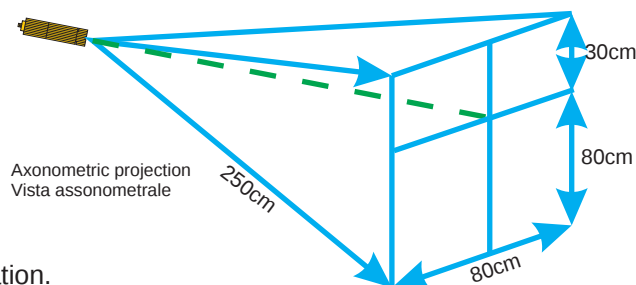
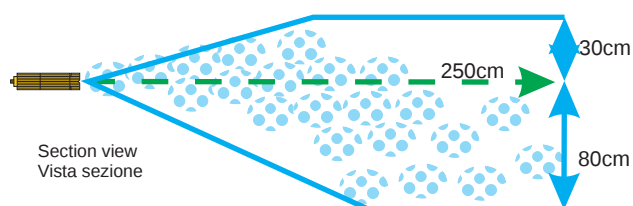
.015"/.40mm	GPH	0,51	0,59	0,76	0,93	1,07	1,42	1,69	1,93	2,39	3,09	3,19
	LPH	1,81	2,13	2,81	3,36	4,12	5,32	6,29	7,14	8,90	11,70	12,06
	LPM						0,0887	0,1048	0,1190	0,1483	0,1950	0,2010



.020"/.50mm	GPH	0,69	0,80	1,03	1,26	1,46	1,93	2,31	2,63	3,26	4,23	4,36
	LPH	2,51	2,90	3,83	4,58	5,61	7,24	8,57	9,72	12,12	16,02	16,50
	LPM						0,1207	0,1428	0,1620	0,2020	0,2670	0,2750

Area di lavoro richiesta per ugelli standard
(valori suggeriti per ugelli 0.15 - 0.20)

Standard nozzles required work area
(suggested values for 0.15 - 0.20 nozzles only)



Values may change depending on air temperature, humidity, ventilation.

I valori possono variare in dipendenza della temperatura dell'aria, umidità e ventilazione.

Outdoor Cooling
Cooling Fans
Raffrescamento
ambienti esterni
Ventilazione fredda

Humidification
Greenhouses
Livestock
Umidificazione
Serre
Allevamenti

Odor and Dust
suppression
Abbattimento
polveri e odori

Special Effects
Effetti scenografici



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