IDROBASE®
PASSION FOR WATER

Idrobase Group corporate video

Idrotech by Idrobase Group
Misting Systems at Expo 2015

Misting Book
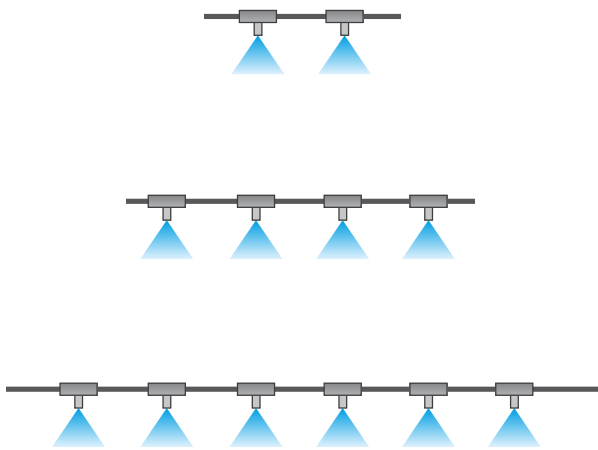
Choose your own customised nebulisation solution to meet your environment refreshing needs
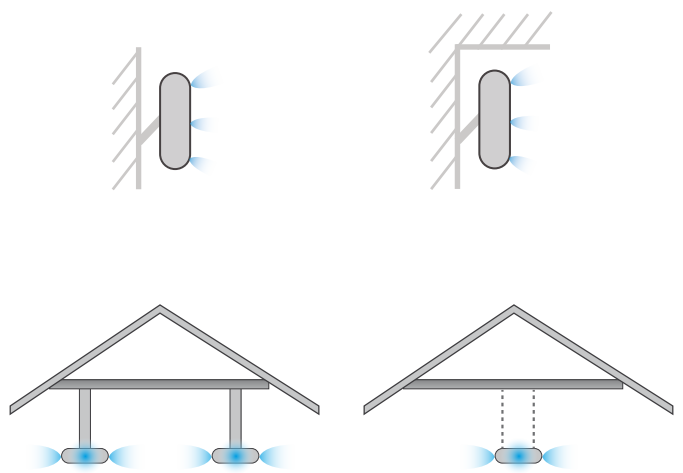
Kit Linea

Kit Vento

Optimal solution for:

- outdoor gazebos
- verandas
- outdoor walkways
- refreshing systems for outdoor umbrellas
- beach volleyball, futsal/tennis pitches/courts

Optimal solution for:

- industrial workshops
- covered outdoor areas of restaurants, bars and bakeries
- parks and gardens
- gyms
- fishmongers' & greengrocers'

Kit Linea

Kit Vento

IDROBASE PASSION FOR WATER
idrotech

Linea kit

			Pumping modules	Fog App		Fog Eco Pro		Fog Extra		
Choose your line type										
Code	Description	Coverage in square metres		ZX.FA1.0	ZX.FA1.5	ZX.S095-RC	ZX.S090-RC	ZX.FL-05	ZX.FL-1	ZX.FL-2
ZX.KL10	Linea kit **10** nozzles	6,75m				●		●		
ZX.KL20	Linea kit **20** nozzles	14,25m		●			●		●	
ZX.KL30	Linea kit **30** nozzles	21,75m			●					●
ZX.KL40	Linea kit **40** nozzles	29,25m								●

Example Linea Kit composition

Linea kit

	Description	ZX.KL10	ZX.KL20	ZX.KL30	ZX.KL40
	H.p. polyamide pipe ø6.35mm, black, 5m rolls	1pcs	1pcs	1pcs	2pcs
	AISI 304 stainless steel pipe ø6.35mm - 750mm	9pcs	19pcs	29pcs	39pcs
	Straight nozzle holder Slip-Lock quick coupling, in nickel-plated brass, ø6.35mm	9pcs	19pcs	29pcs	39pcs
	End of line nozzle holder Slip-Lock quick coupling, in nickel-plated brass, ø6.35mm	1pcs	1pcs	1pcs	1pcs
	Cleanable fog nozzle in nickel-plated brass, complete with anti-drip valve and 50micron mesh filter, 10/24UNC/2A thread, flow factor 015	10pcs	20pcs	30pcs	40pcs
	Rubberised SS pipe clamp, for polyamide pipe and AISI 304 SS pipe fixing ø6.35mm	16pcs	26pcs	36pcs	51pcs
	Tube cutter for polyamide pipe ø2-12mm	1pcs	1pcs	1pcs	1pcs

Recommended accessory

ZX.KPI	**Emergency kit:** 2 cleanable fog nozzles in nickel-plated brass, 1 pipe "tee" junction Slip-Lock quick coupling, 1 Slip-Lock line end cap, 2 rubberised stainless steel pipe caps, 1 cap with 10/24UNC/2A thread

Kit Vento

Choose your fan type

	Fan type	Code	Description	Coverage in square metres	Number of fans	Fog App		Fog Eco Pro		Fog Extra		
						ZX.FA1.0	ZX.FA1.5	ZX.5095-RC	ZX.5090-RC	ZX.FL-05	ZX.FL-1	ZX.FL-2
	Fan 20"	ZX.KV2-20	Kit 2 Mist Fan 20"	80m^2	2	●		●		●		
		ZX.KV4-20	Kit 4 Mist Fan 20"	160m^2	4	●			●		●	
		ZX.KV6-20	Kit 6 Mist Fan 20"	240m^2	6		●					●
		ZX.KV8-20	Kit 8 Mist Fan 20"	320m^2	8							●
	Fan 18"	ZX.KV2-18	Kit 2 Mist Fan 18"	100m^2	2	●		●		●		
		ZX.KV4-18	Kit 4 Mist Fan 18"	200m^2	4	●			●		●	
		ZX.KV6-18	Kit 6 Mist Fan 18"	300m^2	6		●					●
		ZX.KV8-18	Kit 8 Mist Fan 18"	400m^2	8							●
	Fan 360°	ZX.KV2-360	Kit 2 Mist Fan 360	60m^2	2	●		●		●		
		ZX.KV4-360	Kit 4 Mist Fan 360	120m^2	4	●			●		●	
		ZX.KV6-360	Kit 6 Mist Fan 360	180m^2	6		●					●
		ZX.KV8-360	Kit 8 Mist Fan 360	480m^2	8							●
	Fan Panorama	ZX.KV2-P	Kit 2 Fan 360 Panorama	100m^2	2	●			●		●	
		ZX.KV4-P	Kit 4 Fan 360 Panorama	200m^2	4		●					●

Pumping modules

KIT **MIST FAN 20"**

new CE

51,5cm

IP44

For covered areas
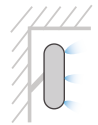
Example Vento Kit Composition

Vento kit	Description	ZX.KV2-20	ZX.KV4-20	ZX.KV6-20	ZX.KV8-20
	Mist Fan 20"- 51.5cm 3 speeds, 90° swinging, complete with a wall mounting bracket, white colour, power cable length 2.2m. Air flow rate 2940m³/h, 74W, 230V-50Hz. Coverage 40m²	2pcs	4pcs	6pcs	8pcs
	AISI 304 stainless steel nozzle holder ring, 6 holes, 10/24UNC/2A thread for Mist Fan 18", Slip-Lock inlet ø6.35mm	2pcs	4pcs	6pcs	8pcs
	Fog nozzle in nickel-plated brass, complete with anti-drip valve and cleanable 50micron mesh filter, 10/24UNC/2A thread, flow factor 015	12pcs	24pcs	36pcs	48pcs
	Nickel-plated brass cap 10/24UNC/2A thread	4pcs	8pcs	12pcs	16pcs
	"Tee" pipe junction Slip-Lock quick coupling, in nickel-plated brass, ø6.35mm	1pcs	3pcs	5pcs	7pcs
	H.p. polyamide pipe ø6.35mm, rolls of 25m, white	1pcs	2pcs	3pcs	4pcs
	Tube cutter for polyamide pipe ø2-12mm	1pcs	1pcs	1pcs	1pcs
	Rubberised stainless steel pipe clamp, for polyamide pipe fixing ø6.35mm	20pcs	40pcs	60pcs	80pcs

Recommended accessory

ZX.KPI	**Emergency kit**: 2 cleanable fog nozzles in nickel-plated brass, 1 pipe "tee" junction Slip-Lock quick coupling, 1 Slip-Lock line end cap, 2 rubberised stainless steel pipe caps, 1 cap with 10/24UNC/2A thread

KIT **MIST FAN 18"**

Example Vento Kit Composition

Vento kit	Description	ZX.KV2-18	ZX.KV4-18	ZX.KV6-18	ZX.KV8-18
	Mist Fan 18"- 46cm axial, 3 speeds, pre-set for mounting on wall, swinging 90°, colour white, length of power cable 2.2m. Air flow rate 9000m³/h, 125W, 230V-50Hz. Coverage 50m²	2pcs	4pcs	6pcs	8pcs
	Wall mounting bracket for Mist Fan 18"	2pcs	4pcs	6pcs	8pcs
	AISI 304 stainless steel nozzle holder ring, 6 holes, 10/24UNC/2A thread for Mist Fan 18", Slip-Lock inlet ø6.35mm	2pcs	4pcs	6pcs	8pcs
	Fog nozzle in nickel-plated brass, complete with anti-drip valve and cleanable 50micron mesh filter, 10/24UNC/2A thread, flow factor 015	12pcs	24pcs	36pcs	48pcs
	Nickel-plated brass cap 10/24UNC/2A thread	4pcs	8pcs	12pcs	16pcs
	"Tee" pipe junction Slip-Lock quick coupling, in nickel-plated brass, ø6.35mm	1pcs	3pcs	5pcs	7pcs
	H.p. polyamide pipe ø6.35mm, rolls of 25m, white	1pcs	2pcs	3pcs	4pcs
	Tube cutter for polyamide pipe ø2-12mm	1pcs	1pcs	1pcs	1pcs
	Rubberised stainless steel pipe clamp, for polyamide pipe fixing ø6.35mm	20pcs	40pcs	60pcs	80pcs

Recommended accessory

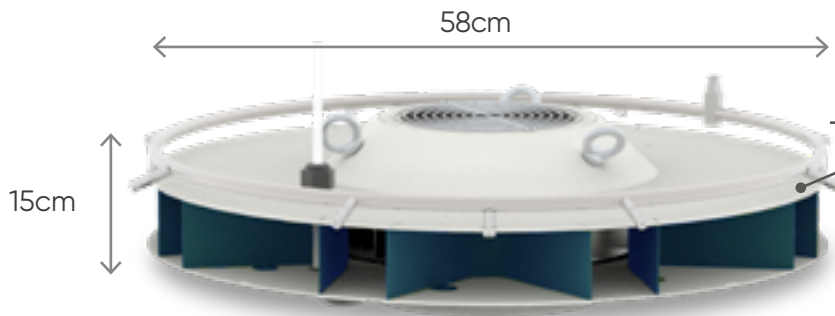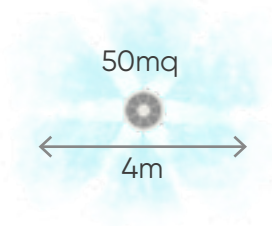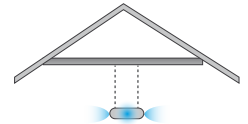| ZX.KPI	**Emergency kit**: 2 cleanable fog nozzles in nickel-plated brass, 1 pipe "tee" junction Slip-Lock quick coupling, 1 Slip-Lock line end cap, 2 rubberised stainless steel pipe caps, 1 cap with 10/24UNC/2A thread

KIT **MIST FAN 360°**

CE

For covered areas

110cm

30cm

30cm

Example Vento Kit Composition

30mq

3m

360° Night & Day -
Lighting in the night,
freshness by the day

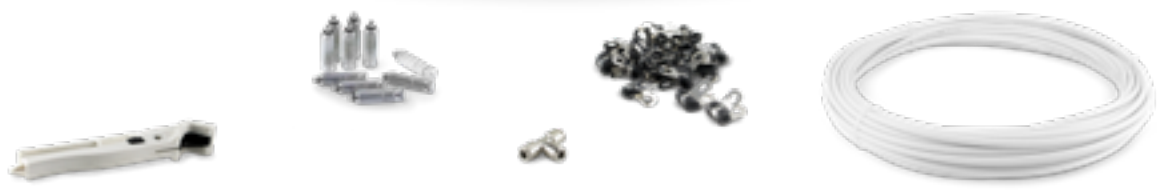| Vento kit	Description	ZXKV2-360	ZXKV4-360	ZXKV6-360	ZXKV8-360
	Mist Fan 360° - single speed, complete with ceiling mounting bracket, holder ring for 6 nozzles, colour white. Air flow rate 4,020m³/h, 97W, 230V-50Hz. Coverage 30m²	2pcs	4pcs	6pcs	8pcs
	Fog nozzle in nickel-plated brass, complete with anti-drip valve and cleanable 50micron mesh filter, 10/24UNC/2A thread, flow factor 015	12pcs	24pcs	36pcs	48pcs
	"Tee" pipe junction Slip-Lock quick coupling, in nickel-plated brass, ø6.35mm	1pcs	3pcs	5pcs	7pcs
	H.p. polyamide pipe ø6.35mm, rolls of 25m, white	1pcs	2pcs	3pcs	4pcs
	Tube cutter for polyamide pipe ø2-12mm	1pcs	1pcs	1pcs	1pcs
	Rubberised stainless steel pipe clamp, for polyamide pipe fixing ø6.35mm	20pcs	40pcs	60pcs	80pcs

Recommended accessory

ZX.KPI	Emergency kit: 2 cleanable fog nozzles in nickel-plated brass, 1 pipe "tee" junction Slip-Lock quick coupling, 1 Slip-Lock line end cap, 2 rubberised stainless steel pipe caps, 1 cap with 10/24UNC/2A thread

KIT **FAN 360° PANORAMA**

IP54

58cm

15cm

For covered areas

50mq

4m

Example Vento Kit Composition

Vento kit

	Description	ZX.KV2-P	ZX.KV4-P
	Fan 360° Panorama. Single speed, pre-set for ceiling mounting, complete with holder ring for 8 nozzles, colour white, air flow rate 600m³/h, 100W, 230V-50Hz. Coverage 50m²	2pcs	4pcs
	Fog nozzle in nickel-plated brass, complete with anti-drip valve and cleanable 50micron mesh filter, 10/24UNC/2A thread, flow factor 015	16pcs	24pcs
	"Tee" pipe junction Slip-Lock quick coupling, in nickel-plated brass, ø6.35mm	1pcs	3pcs
	H.p. polyamide pipe ø6.35mm, rolls of 25m, white	1pcs	2pcs
	Tube cutter for polyamide pipe ø2-12mm	1pcs	1pcs
	Rubberised stainless steel pipe clamp, for polyamide pipe fixing ø6.35mm	20pcs	40pcs

Recommended accessory

ZX.KPI **Emergency kit**: 2 cleanable fog nozzles in nickel-plated brass, 1 pipe "tee" junction Slip-Lock quick coupling, 1 Slip-Lock line end cap, 2 rubberised stainless steel pipe caps, 1 cap with 10/24UNC/2A thread

Fog module 60bar 230V–50Hz

Percorso
Efficienza Innovazione

Percorso efficienza
Innovazione

Fog App: the new solution for refreshing outdoor areas via smartphones

Water inlet filter as standard, with 80micron AISI 304 stainless steel mesh. Works in conjunction with IT.0581 water supply Kit

Silent working

Considerably reduces the temperature

Keeps mosquitoes away

Simple and effective

Fog App is the smartest solution to **refresh** bars, restaurants, patios in small and medium-sized areas. The system can be connected to both ventilation and in-line cooling systems and can be **controlled** conveniently **from the application via a smartphone**.

Simple mode to select:
- operation time:
- up to max 4 time slots
- work/pause time:
with min work time of 3s and min pause time of 15s

Advanced mode to select:
- operation time:
time slots as required
- work/pause time: customised for each time slot with min work time of 3s and min pause time of 15s

Slip-Lock connectors for water inlet ø9.6mm and water outlet ø6.35mm

Tech. features

Code	Model	*No. of nozzles 50Hz	Pressure	Flow rate 50Hz	Power absorption	Weight
ZX.FA1.0	FOG APP 1	20	60bar	1l/min	180W (230V-50Hz)	10kg
ZX.FA1.5	FOG APP 1,5	30	60bar	1,5l/min	180W (230V-50Hz)	10kg

* The max number of nozzles has been calculated by using a nozzle with flow rate factor 015 (0.047l/min) at 60bar
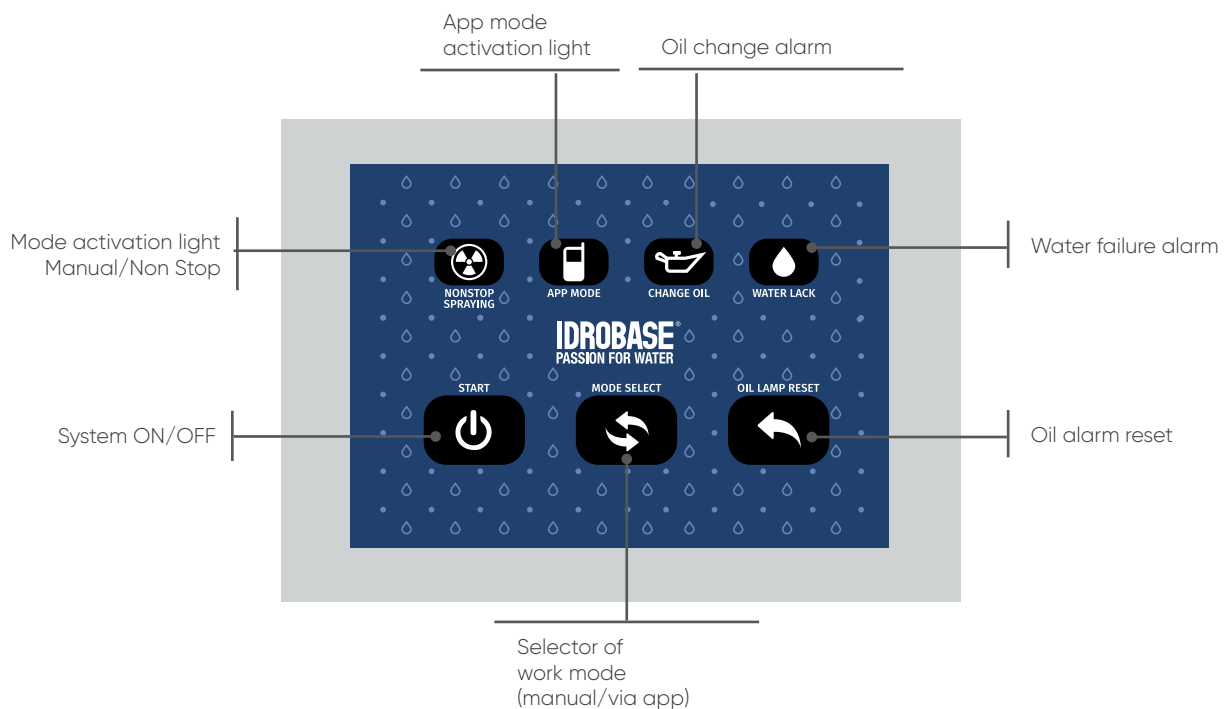
FOG APP is compatible with:

Linea kit	ZX.KL20 and ZX.KL30
Kit Vento	ZX.KV4-20, ZX.KV6-20, ZX.KV2-18, ZX.KV4-18, ZX.KV6-18, ZX.KV2-360, ZX.KV4-360, ZX.KV6-360, ZX.KV2-P and ZX.KV4-P

Recommended accessories

IT.0581

Water supply kit complete with mesh filter, and Fog module 3m water connection pipe

IT.0582

Anti-limescale filter with polyphosphate salts for water supply kit

ZX.0561

Pressure gauge kit in AISI 304 stainless steel, ø40mm, 1/4" M-F, 0-160bar

Fog App control panel

App mode activation light

Oil change alarm

Mode activation light Manual/Non Stop

Water failure alarm

NONSTOP SPRAYING — APP MODE — CHANGE OIL — WATER LACK

IDROBASE PASSION FOR WATER

START — MODE SELECT — OIL LAMP RESET

System ON/OFF

Oil alarm reset

Selector of work mode (manual/via app)

Technical features

- **Frame** made of galvanised painted plate
- **Electric pump** 3 pistons, axial, with brass head
- **Thermal protection** against current surge
- **Unloader valve**
- **LP pressure switch** due to lack of water
- **Solenoid valve** l.p. water inlet
- **Solenoid valve** h.p. for pressure discharge
- **Inlet, Slip-Lock** ø9.6mm
- **Outlet, Slip-Lock** ø6.35mm
- **Instrument panel with 3 touch buttons** for:

  – machine ON/OFF
  – Manual mode selection or Bluetooth activation for smartphone control
  – Alarms reset for maintenance

- **Possibility to manage 3 different modes via the app:**
  – *Nonstop*: the Fog module works in continuous mode
  – *Simple mode*: selection of days of the week, selection of max 4 time slots, work/pause time selection with min 3s work time and min 15s pause time
  – *Advanced mode*: selection of the days of the week, selection of max 20 time slots, selection of work/pause times customised for each time slot with min 3s work time and min 15s pause time

- **Dimensions WxLxH:** 415 x 250 x 215mm

Fog module 60bar 230V–50Hz

IDROBASE PASSION FOR WATER
idrotech

FOG Eco Pro

Water inlet filter as standard, with 80micron AISI 304 stainless steel mesh. Works in conjunction with IT.0581 water supply Kit

Considerably reduces the temperature

No wet

Keeps mosquitoes away

Silent working

Compact and versatile

The most **compact** and **versatile** solution for cooling, creating fog effects and humidifying small and medium sized areas. Wide variety of **accessories** and types of line **matchable as required** for use in a wide range of applications.

Slip-Lock connectors
for water inlet ø9.6mm and water outlet ø6.35mm

Timing of
pause/work pre-settings:
– T1 15" ON – 10" OFF
– T2 20" ON – 15" OFF
– T3 20" ON – 30" OFF

Radio control range 15m with 4 channels:
– ON/OFF pump
– ON/OFF lights
– ON/OFF fans
– ON/OFF pump and fans

Tech. features

Code	Model	*Nozzles n°	Pressure	Flow rate	Power absorption	Weight
ZX.5095-RC	FOG ECO PRO 05	10	60bar	0,5l/min	125W (1x230V–50Hz)	15kg
ZX.5090-RC	FOG ECO PRO 1	20	60bar	1l/min	200W (1x230V–50Hz)	15kg

* The max number of nozzles has been calculated by using a nozzle with flow rate factor 15 (0.047l/min) at 60bar

FOG ECO PRO is compatible with:

Linea kit	ZX.KL10 and ZX.KL20
Kit Vento	ZX.KV2-20, ZX.KV4-20, ZX.KV2-18, ZX.KV4-18, ZX.KV2-360, ZX.KV4-360, and ZX.KV2-P

Recommended accessories

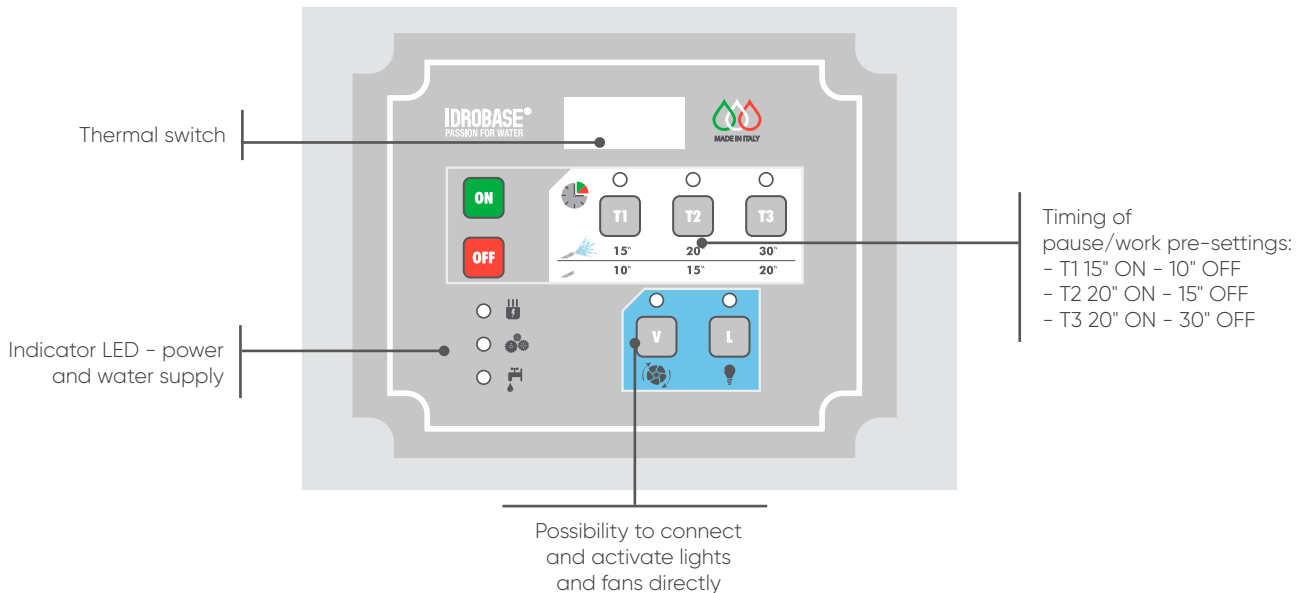|	IT.0581	**Water supply kit** complete with mesh filter, and Fog module 3m water connection pipe
	IT.0582	**Anti-limescale filter** with polyphosphate salts for water supply kit
	ZX.0561	**Pressure gauge kit** in AISI 304 stainless steel, ø63mm, 1/4" M, 0-160bar
	IT.0104	**Thermostat remote control**, complete with temperaturesensing probe

	IT.0269-20	**Temperature probe** for remote control IT.0104, 20m cable
	IT.0105	**Humidistat remote control,** ideal for controlling and maintaining the desired humidity level in an environment
	IT.0137-20	**Humidity probe** for remote control IT.0105, with 20m cable

Fog Eco Pro controls

Thermal switch

Indicator LED - power and water supply

Timing of pause/work pre-settings:
– T1 15" ON - 10" OFF
– T2 20" ON - 15" OFF
– T3 20" ON - 30" OFF

Possibility to connect and activate lights and fans directly

Technical features

- **Frame** made of painted steel
- **Axial motor pump with two ceramic pistons** 0.5 and 1l/min complete with by-pass valve
- **Electric control panel - with three time pre-settings**(with the option to directly operate the fans)
- **Solenoid valve- low pressure water inlet**
- **Solenoid valve** high pressure for pressure discharge
- **Pressure switch- low pressure no water supply**
- **Control panel** complete with: ON/OFF thermal cutout switch, continuous work mode or with 3 pause/work settings. Preset for connecting external devices (level sensor, fans, UV lamp, lights)
- **Four-channel radio remote control**: pump on/off, lights on/off, combined pump and fans on/off
- **Slip-lock inlet** ø9.6mm
- **Outlet, Slip-Lock** ø6.35mm
- **Dimensions LxDxH:** 450 x 300 x 280mm

Fog module 60bar
230V-50Hz

Fog Extra to cool, humidify, suppress dust and odours and many more

Water inlet filter as standard, with 80micron AISI 304 stainless steel mesh. Works in conjunction with IT.0581 water supply Kit

Compact and versatile

The most **compact** and **versatile** solution to cool, create fog effects, humidify, suppress dust and odours in small and medium sized areas. Wide variety of **accessories** and types of line **matchable as required** for use in a wide range of applications.

The new control panel allows for quick and accurate setting of the work times and management of the connected optional probes.

SECURITY SYSTEM ANTI-FLOODING:

in the event of pipe breaks on the fog nozzle lines, the system automatically shuts down to prevent flooding in the areas where the lines are installed

Slip-Lock connectors
for water inlet ø9.6mm and water outlet ø6.35mm.
Outside air intake for motor pump unit cooling

Pump with brass head
(for the ZX.FL-2 version with 2l/min capacity)

Electrical connections
for humidity ZX.SU20 and temperature ZX.ST20 probes

Axial pump with 2 pistons

Code	Model	*No. of nozzles	Max pressure	Flow rate	Power	Weight
ZX.FL-05	Fog Extra-05	10	60bar	0,5l/min	125W (1x230V-50Hz)	15kg
ZX.FL-1	Fog Extra-1	20	60bar	1l/min	200W (1x230V-50Hz)	15kg

Axial pump with 2 ceramic pistons, *head in nickel-plated brass, integrated bypass valve, electric motor 1350rpm,*

Axial pump with 3 pistons

Code	Model	*No. of nozzles	Max pressure	Flow rate	Power	Weight
ZX.FL-2	Fog Extra-2	40	60bar	2l/min	720W (1x230V-50Hz)	30kg

Axial motor pump with three ceramic-coated steel pistons, *brass head, integrated by-pass valve, electric motor 1450rpm.*

* The max number of nozzles has been calculated by using a nozzle with flow rate factor 15 (0.047l/min) at 60bar
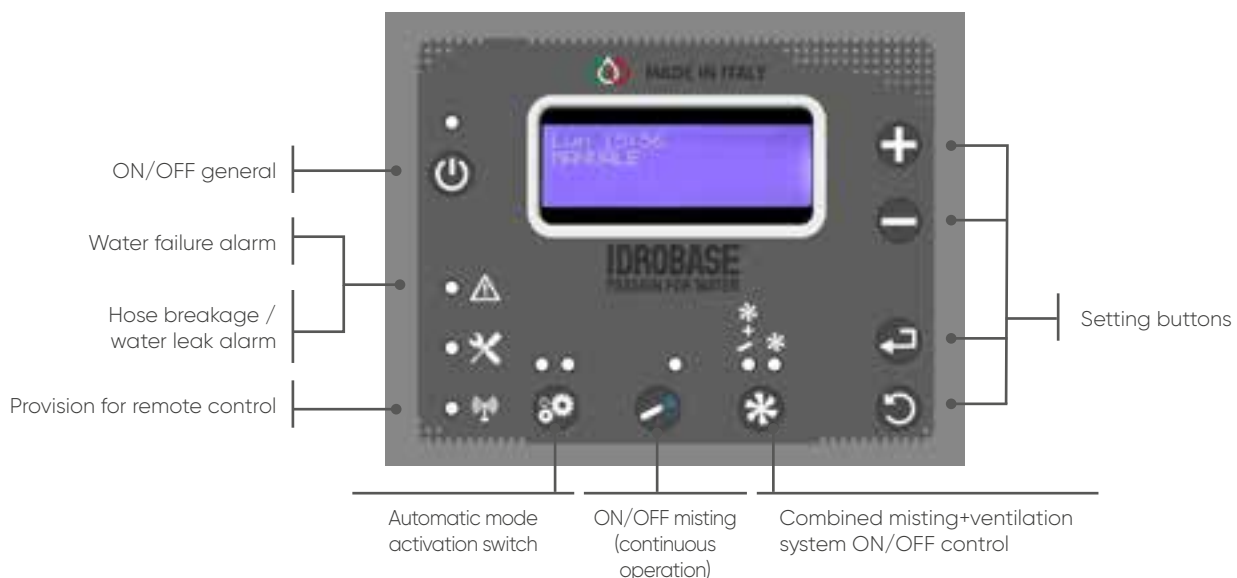
FOG EXTRA is compatible with:

Linea kit	ZX.KL10, ZX.KL20, ZX.KL30 and ZX.KL40
Kit Vento	ZX.KV2-20, ZX.KV4-20, ZX.KV2-18, ZX.KV4-18, ZX.KV2-360, ZX.KV4-360, and ZX.KV2-P

Recommended accessories

	IT.0581	**Water supply kit** complete with mesh filter, and Fog module 3m water connection pipe		ZX.ST20	**Humidity probe** (for standard thermostat), with 20m cable
	IT.0582	**Anti-limescale filter** with polyphosphate salts for water supply kit		ZX.SU20	**Humidity probe 4:20 mA** (for standard humidstat), with 20m cable

Fog Extra Controls

- Humidstat **standard**
- Thermostat **standard**
- Display interface
- Cyclical ON/OFF timer

- Weekly time slot programmer
- Hour counter and maintenance schedule
- Pre-setting for connection of 230V ventilation systems

- Pre-setting for remote connection

ON/OFF general

Water failure alarm

Hose breakage / water leak alarm

Provision for remote control

Setting buttons

Automatic mode activation switch

ON/OFF misting (continuous operation)

Combined misting+ventilation system ON/OFF control

Technical features

- **Frame** made of painted steel
- **Unloader valve**
- **LP solenoid valve** 230V-50Hz, inlet water
- **H.p. solenoid valve** 230V-50Hz, to discharge line pressure
- **Electrical panel** complete with:ON/OFF thermal cutout, electronic board for management of anti-drip and timer system

- **Slip-lock inlet** ⌀9.6mm
- **Outlet, Slip-Lock** ⌀6.35mm
- **H. p. switch** for no water supply and pipe breaks
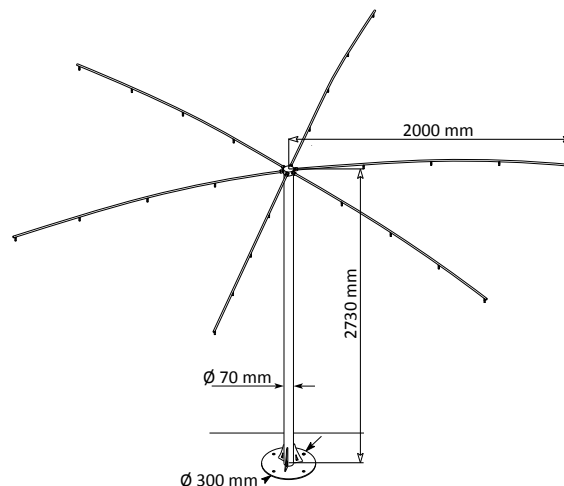- **Dimensions WxLxH:** 600 x 300 x 300mm

Palma Rinfrescante

Refreshing accessory with 304 stainless steel structure complete with 6 pre-drilled pipes, connection fittings and 24 fog nozzles with 0.15mm holes with anti-drip system.
With buried connections and ground fixing of the structure.
Straightforward, quick installation, no special tools required.
The pipe junction connectors are made of AISI 304 SS and are equipped with compression fitting and a Slip-Lock connector to accommodate a high pressure polyamide pipe (max 60bar) ø9.6x5mm. They must be connected to a nebulisation system

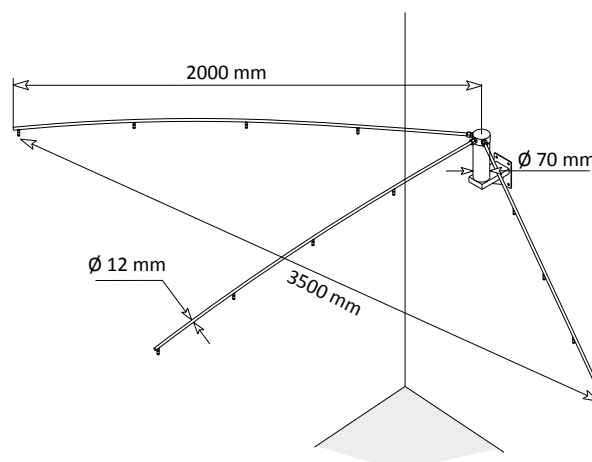| Model		Operating pressure	Water requirement at 60bars	Dimensions L x W x H
ZX.6000	Palma Rinfrescante	60bar	2l/min	2000 x 2000 x 2730mm

Parasole Rinfrescante

Refreshing accessory with 304 stainless steel structure complete with 3 pre-drilled pipes, wall fixing bracket, connection fittings and 12 fog nozzles with 0.15mm holes with anti-drip system.
Straightforward, quick installation, no special tools required.
The pipe junction connectors are made of AISI 304 SS and are equipped with compression fitting and a Slip-Lock connector to contain a high pressure polyamide pipe (max 60bar) ø9.6x5mm. They must be connected to a nebulisation system

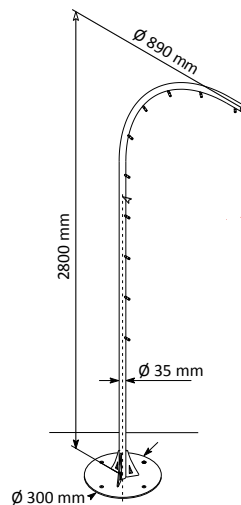| Model		Operating pressure	Water requirement at 60bars	Dimensions L x W
ZX.6001	Parasole Rinfrescante	60bar	0,5l/min	2000 x 2000mm

Stelo Rinfrescante

Refreshing accessory with pre-drilled 304 stainless steel structure, complete with 10 fog nozzles with 0.15mm holes with anti-drip system.
With buried connections and ground fixing of the structure.
Straightforward, quick installation, no special tools required.
The pipe junction connectors are made of AISI 304 SS and are equipped with compression fitting and a Slip-Lock connector to accommodate a high pressure polyamide pipe (max 60bar) ø9.6x5mm. They must be connected to a nebulisation system

Model		Operating pressure	Water requirement at 60bars	Dimensions L x W x H
ZX.6002	Stelo Rinfrescante	60bar	0,5l/min	890 x 890 x 2800mm

Choose your refreshing accessory

Pumping modules

			Fog App		Fog Eco Pro		Fog Extra		
Code	Description	*No. of nozzles	ZX.FA1.0	ZX.FA1.5	ZX.5095-RC	ZX.5090-RC	ZX.FL-05	ZX.FL-1	ZX.FL-2
ZX.6000	Palma Rinfrescante	24							•
ZX.6001	Parasole Rinfrescante	18	•			•		•	
ZX.6002	Stelo Rinfrescante	10	•		•		•		