

# CATALOG

2024

## Serie MTC

Misting Systems & Fog Equipment



**MISTEC**  
MISTING TECHNOLOGIES



## BREEZY "TIME" series

### outdoor cooling made easy

These series of household 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 0.5 up to 0.9 l/min with single phase electric motor.

High quality components like ceramic pistons, aluminum head, long lasting professional seals, assure smooth operation and a long-lasting reliability.

Our built-in digital timer offers full control of the efficiency of the misting 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 outdoor cooling systems thanks to the special programming of the built-in timer that allows you to set work and pause cycles in seconds. Its automatic drain solenoid valve allows a perfect drain of the pipeline and assures optimal anti-drip system performances. QES electrical motors assure the full efficiency with lowest power consumption and low noise operation.

### TECHNICAL FEATURES

- 3 ceramic coated pistons
- aluminium head with long lasting seals
- operating pressure : 70 bar
- pressure regulation valve with by-pass
- industrial electric motor with thermal overload protection
- ON/OFF switch
- digital cyclic timer (1 sec. / 99 min)
- high pressure automatic drain solenoid valve
- electric cable with Schuko power plug
- antivibrating feet
- low noise level 58 db(A)
- manufactured in compliance with CE regulations

**QES:** units supplied with QES low noise motors (Quiet Engine System) are peculiarly preferred in resorts, swimming pools, bars, restaurants, hotels, supermarkets, 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.



Default Timer settings:  
WORK: seconds  
PAUSE: seconds (motor OFF)

Misting pump 70bar - 1000psi  
from 8 to 20 nozzles  
120V/230V - 50/60Hz



Breezy Time



**time**  
Energy Saver Timer

**qes**  
Quiet Engine System

BREEZY TIME - 230V 50Hz 1450 RPM or 120V 50Hz - 1100 RPM

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power W	
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
MTC307210	70	1000	8 - 11	8 - 11	0.5	0.5	0.13	0.13	550	380
MTC307211	70	1000	16 - 22	16 - 22	0.9	0.9	0.24	0.24	575	400

\* 0.15 mm (0.006" Nozzles)

Dimensions: l. 490 w. 410 h. 300 mm  
Weight: 20 Kg.



## ARCTIC series

a reliable, powerful and quiet pump

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. High quality components like ceramic pistons, brass head, long lasting professional seals, assure smooth operation and a longlasting reliability.

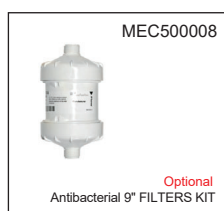
Our built-in digital timer offers full control of the efficiency of the misting system by direct adjustment of the frequency of mist spray increasing the advantages on water and energy consumption with savings up to 70% if compared to standard systems. This pump is suitable for small and medium humidification 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.

### TECHNICAL FEATURES

- professional 70 bar high pressure pump, brass head
- 3 heavy duty ceramic coated plungers
- safety valve
- glycerin filled pressure gauge
- 2 in line mounted solenoid valves
- heavy duty industrial motor, 1PH 2.0 HP, 1450 RPM, self ventilated
- thermal overload protection
- ON-OFF switch
- SSC safety pressure switch (automatic shutdown with broken pipe)
- weatherproof steel and plastic cover on anti-vibration rubber feet
- noise level: 60 dB(A) (average)
- built-in programmable digital timer TIME 2.0 (T1 pause - T2 on - T3 drain)
- manufactured in compliance with CE regulations



ARCTIC - 230V 50Hz 1450 rpm (120V or 220V 60Hz - 1750 rpm)

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power		
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	Ah (50Hz)	
MTC307341	70	1000	8 - 12	10 - 15	1	1.2	0.26	0.32	550	2.8	
MTC307342	70	1000	15 - 25	18 - 30	2	2.4	0.53	0.64	680	3.1	
MTC307343	70	1000	30 - 40	36 - 48	3	3.6	0.78	0.95	815	3.7	
MTC307344	70	1000	40 - 50	48 - 60	4	4.8	1.06	1.27	900	4.1	
MTC307346	70	1000	50 - 75	60 - 90	6	7.2	1.59	1.90	1250	5.7	

\* 0.20 mm (0.008") Nozzles

Misting pump 70bar - 1000psi  
from 8 to 75 nozzles  
230V or 120V - 50 or 60Hz



Arctic

### Advanced Controller TIME 2.0

Continuous or intermittece spray  
Programmable cyclic timer (1s - 99 min) with drain time (T1+T2+T3)  
Lack of water shutdown  
Low voltage signal socket for remote ON/OFF control (optional)



SSC  
System Safety Control

time  
Advanced Timer 2.0

qes  
Quiet Engine System

Dimensions: L 472 w. 374 h. 332 mm  
Weight: 20-22 Kg. according to model

## ARCTIC "HT" series with new SSC safety system

These series of professional high pressure pumps are the suitable solution with high quality and safety standards to build professional misting and humidification systems with flow rates ranging from 1 up to 6 l/min with single phase electric motor. All the components used in Arctic 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.

A built-in humidity and temperature controller grants a complete control on environment conditions and a quick and simple installation of humidification systems. QES electrical motors assure the full efficiency with lowest power consumption and low noise operation. SSC safety features avoid accidental flooding by stopping the pump in the event of leakages. Heavy-duty pumps at the most competitive prices.

### TECHNICAL FEATURES

- professional 70 bar high pressure pump, brass head
- 3 heavy duty ceramic coated plungers
- safety valve
- glycerin filled pressure gauge
- 2 in line mounted solenoid 230V-50Hz
- heavy duty industrial motor, 1PH 2.0 HP, 1450 RPM, self ventilated
- thermal overload protection
- ON-OFF switch
- pressure switch to protect pump against dry running
- SSC safety pressure switch (automatic shutdown with broken pipe)
- weatherproof steel and plastic cover on anti-vibration rubber feet
- noise level: 60 dB(A) (average)
- humidity (RH%) and temperature\* signal sockets (probes are not included)
- built-in humidistat (5-95% RH range, 1% sensitivity)
- built-in digital thermostat for PT-100 probes
- built-in programmable digital timer TIME 2.0 (on/off cycles + clock)
- manufactured in compliance with CE regulations

The professional humidification!

Misting pump 70bar - 1000psi  
from 8 to 130 nozzles  
230V or 120V - 50 or 60Hz



Arctic HT

### Advanced Controller TIME 2HT

- Continuous or intermittent spray
- Programmable Hourly (24H) and Daily (D7) timer
- Programmable cyclic timer (1s - 99 min) with drain time (T1+T2+T3)
- Anti flooding automatic shutdown - Lack of water shutdown
- Programmable Humidistat (5-95 RH%) with two setpoints
- Programmable Thermostat (-50°C+350°C range) with hysteresis
- Low voltage signal socket for remote ON/OFF control (optional)

WIFI App  
on Modbus versions



MTC100033

Optional  
On-Off Wi-Fi SmartPlug



MTC100032

Optional  
Antibacterial 9" FILTERS KIT



MEC500005

Optional  
9" Filter Kit

### ARCTIC HT - 230V 50Hz or 60Hz - 1450 RPM

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power		
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	Ah (50Hz)	
MTC307241	70	1000	8 - 22	10 - 26	1	1.2	0.26	0.32	550	2.8	
MTC307242	70	1000	23 - 44	27 - 52	2	2.4	0.53	0.64	680	3.1	
MTC307243	70	1000	45 - 66	53 - 79	3	3.6	0.78	0.95	815	3.7	
MTC307244	70	1000	67 - 88	80 - 105	4	4.8	1.06	1.27	900	4.1	
MTC307246	70	1000	89 - 130	106 - 156	6	7.2	1.59	1.90	1250	5.7	

\* 0.15 mm (0.006") Nozzles



SSC  
System Safety Control

time  
Advanced Timer 2HT

qes  
Quiet Engine System

Dimensions: L 472 w. 374 h. 332 mm  
Weight: 20-22 Kg. according to model



## POLARIS series

with BPS internal drain system

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.

High quality components like ceramic pistons, brass head, long lasting professional seals, assure smooth operation and a long-lasting reliability.

QES electrical motors assure the full efficiency with lowest power consumption and low noise operation. QES units are the best solution for applications where noise is a matter of disturb.

BPS internal drain system avoids to waste water during drain cycles. Heavy-duty pumps at most competitive prices.

### TECHNICAL FEATURES

- professional 70 bar high pressure pump, brass head
- 3 heavy duty ceramic coated plungers
- safety valve
- glycerin filled pressure gauge
- 2 in line mounted solenoid 230V-50Hz
- heavy duty industrial motor, 1PH 2.0 HP, 1450 RPM, self ventilated
- thermal overload protection
- ON-OFF switch
- SSC safety pressure switch (automatic shutdown with broken pipe)
- pressure switch to protect pump against dry running
- weatherproof steel and plastic cover on anti-vibration rubber feet
- noise level: 60 dB(A) (average)
- built-in programmable digital timer TIME 2.0 (T1 pause - T2 on - T3 drain)
- internal drain tank with BPS water cooling
- manufactured in compliance with CE regulations



Misting pump 70bar - 1000psi  
from 8 to 75 nozzles  
230V or 120V - 50 or 60Hz



Polaris

### Advanced Controller TIME 2.0

Continuous or intermitance spray  
Programmable cyclic timer (1s - 99 min) with drain time (T1+T2+T3)  
Lack of water shutdown  
Low voltage signal socket for remote ON/OFF control (optional)



**SSC**  
System Safety Control

**time**  
Advanced Timer 2.0

Dimensions: L 590 w. 480h. 370 mm  
Weight: 28-30 Kg. according to model

### POLARIS - 230V 50Hz or 60Hz - 1450 RPM

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power		
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	Ah (50Hz)	
MTC307356	70	1000	8 - 12	10 - 15	1	1.2	0.26	0.32	550	2.8	
MTC307350	70	1000	15 - 25	18 - 30	2	2.4	0.53	0.64	680	3.1	
MTC307358	70	1000	30 - 40	36 - 48	3	3.6	0.78	0.95	815	3.7	
MTC307351	70	1000	40 - 50	48 - 60	4	4.8	1.06	1.27	900	4.1	
MTC307352	70	1000	50 - 75	60 - 90	6	7.2	1.59	1.90	1250	5.7	

\* 0.20 mm (0.008") Nozzles

## POLARIS "HT" series with new SSC safety system and BPS

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

All the components used in these 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. A built-in humidity and temperature controller grants a complete control on environment conditions and a quick and simple installation of humidification systems. Heavy-duty pumps at the most competitive prices.

### TECHNICAL FEATURES

- professional 70 bar high pressure pump, brass head
- 3 heavy duty ceramic coated plungers
- safety valve
- glycerin filled pressure gauge
- 2 in line mounted solenoid 230V-50Hz
- heavy duty industrial motor, 1PH 2.0 HP, 1450 RPM, self ventilated
- thermal overload protection
- ON-OFF switch
- pressure switch to protect pump against dry running
- SSC safety pressure switch (automatic shutdown with broken pipe)
- weatherproof steel and plastic cover on anti-vibration rubber feet
- noise level: 60 dB(A) (average)
- humidity (RH%) and temperature\* signal sockets (probes are not included)
- built-in humidistat (5-95% RH range, 1% sensitivity)
- built-in digital thermostat for PT-100 probes
- built-in programmable digital timer TIME 2.0 (on/off cycles + clock)
- internal drain tank with BPS water cooling
- manufactured in compliance with CE regulations



The professional humidification!



Polaris HT

### Advanced Controller TIME 2HT

Continuous or intermittent spray  
 Programmable Hourly (24H) and Daily (D7) timer  
 Programmable cyclic timer (1s - 99 min) with drain time (T1+T2+T3)  
 Anti flooding automatic shutdown - Lack of water shutdown  
 Programmable Humidistat (5-95 RH%) with two setpoints  
 Programmable Thermostat (-50°C+350°C range) with hysteresis  
 Low voltage signal socket for remote ON/OFF control (optional)

WIFI App  
on Modbus versions



### POLARIS HT - 230V 50Hz or 60Hz - 1450 RPM

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power		
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	Ah (50Hz)	
MTC307256	70	1000	8 - 22	10 - 26	1	1.2	0.26	0.32	550	2.8	
MTC307250	70	1000	23 - 44	27 - 52	2	2.4	0.53	0.64	680	3.1	
MTC307258	70	1000	45 - 66	53 - 79	3	3.6	0.78	0.95	815	3.7	
MTC307251	70	1000	67 - 88	80 - 105	4	4.8	1.06	1.27	900	4.1	
MTC307252	70	1000	89 - 130	106 - 156	6	7.2	1.59	1.90	1250	5.7	

\* 0.15 mm (0.006") Nozzles



SSC  
System Safety Control

time  
Advanced Timer 2HT

qes  
Quiet Engine System

bps  
Water Cooled Pump

Dimensions: L 590 w. 480h. 370 mm  
Weight: 28-30 Kg. according to model



## PREMIUM series

the low-priced professional pumps

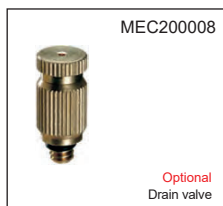
These professional high pressure pumps offer the best solution for small and medium misting systems with flow rates ranging from 0.6 up to 6 liters/min. driven by single-phases motors. High quality components like ceramic pistons, brass head, long lasting professional seals, ensure reliability and a long lasting operation.

These pumps are designed to build cheap misting systems installations, 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
- antivibrating rubber feet
- noise level: 60 dB(A) (average)
- manufactured in compliance with CE regulations

**QES:** units supplied with QES low noise motors (Quiet Engine System) offer low consumption and ensure great reliability.



Premium - 230V 50 or 60Hz - 1450 RPM

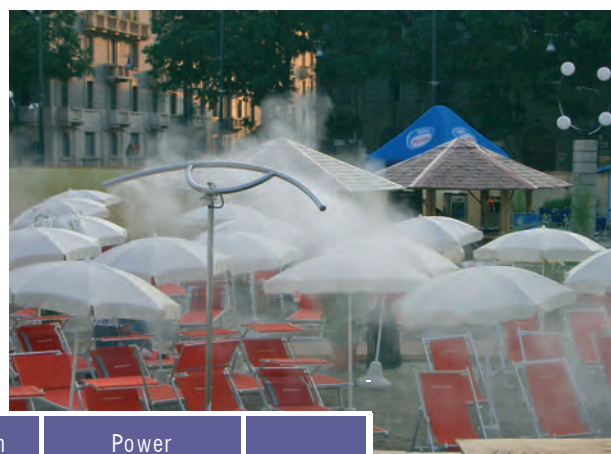
Code	Pressure		Nozzles*		Output lpm		Output gpm		Power		
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	Ah (50Hz)	
MEC307025	70	1000	4 - 7	5 - 9	0.6	0.7	0.16	0.19	440	2.5	
MEC307020	70	1000	8 - 12	10 - 15	1	1.2	0.26	0.32	550	2.8	
MEC307021	70	1000	15 - 25	18 - 30	2	2.4	0.53	0.64	680	3.1	
MEC307022	70	1000	30 - 40	36 - 48	3	3.6	0.78	0.95	815	3.7	
MEC307023	70	1000	40 - 50	48 - 60	4	4.8	1.06	1.27	900	4.1	
MEC307024	70	1000	50 - 75	60 - 90	6	7.2	1.59	1.90	1250	5.7	

\* 0.20 mm (0.008") Nozzles

Misting pump 70bar - 1000psi  
from 4 to 75 nozzles  
230V or 120V - 50 or 60Hz



Premium



Dimensions: l. 400 w. 300 h. 270 mm  
Weight: 23.2 Kg.

## PREMIUM PLUS series

professional pumps with automatic drain

These professional high pressure pumps offer the best solution for small and medium misting systems with flow rates ranging from 1 up to 6 liters/min. driven by single-phases motors.

High quality components like ceramic pistons, brass head, long lasting professional seals, ensure reliability and a long lasting operation. Its automatic drain solenoid valve allows a perfect drain of the pipeline and assures optimal anti-drip system performances.

Premium Plus pumps are designed to build cheap misting systems installations, 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
- 2 in line mounted solenoid valves 230V-50Hz
- industrial electrical motor with thermal overload 230V 1450 RPM, 2.2 HP air cooled
- ON-OFF switch
- weather proof painted steel cover and frame
- antivibrating rubber feet
- noise level: 60 dB(A) (average)
- manufactured in compliance with CE regulations

**QES:** units supplied with QES low noise motors (Quiet Engine System) offer low consumption and ensure great reliability.



Misting pump 70bar - 1000psi  
from 4 to 75 nozzles  
230V or 120V - 50 or 60Hz



### Premium PLUS - 230V 50Hz or 60Hz - 1450 RPM

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power		Price
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	Ah (50Hz)	
MTC307141	70	1000	8 - 12	10 - 15	1	1.2	0.26	0.32	550	2.8	
MTC307142	70	1000	15 - 25	18 - 30	2	2.4	0.53	0.64	680	3.1	
MTC307143	70	1000	30 - 40	36 - 48	3	3.6	0.78	0.95	815	3.7	
MTC307144	70	1000	40 - 50	48 - 60	4	4.8	1.06	1.27	900	4.1	
MTC307145	70	1000	50 - 75	60 - 90	6	7.2	1.59	1.90	1250	5.7	

\* 0.20 mm (0.008") Nozzles

Dimensions: l. 400 w. 300 h. 270 mm  
Weight: 20 Kg.



## PREMIUM "TIME" series for cooling and humidification

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.

High quality components like ceramic pistons, brass head, long lasting professional seals, assure smooth operation and a long lasting reliability. Our built-in digital timer offers full control of the efficiency of the misting 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.

Misting pump 70bar - 1000psi  
from 4 to 75 nozzles  
230V or 120V - 50 or 60Hz



### 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)
- noise level: 60 dB(A) (average)
- manufactured in compliance with CE regulations

The best solution  
for humidification!

**QES:** units supplied with QES low noise motors (Quiet Engine System) offer low consumption and ensure great reliability.



Premium TIME - 230V 50Hz or 60Hz - 1450 RPM

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power		Price
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	Ah (50Hz)	
MEC307041	70	1000	8 - 12	10 - 15	1	1.2	0.26	0.32	550	2.8	
MEC307042	70	1000	15 - 25	18 - 30	2	2.4	0.53	0.64	680	3.1	
MEC307043	70	1000	30 - 40	36 - 48	3	3.6	0.78	0.95	815	3.7	
MEC307044	70	1000	40 - 50	48 - 60	4	4.8	1.06	1.27	900	4.1	
MEC307045	70	1000	50 - 75	60 - 90	6	7.2	1.59	1.90	1250	5.7	

\* 0.20 mm (0.008") Nozzles

Dimensions: l. 490 w. 410 h. 300 mm  
Weight: 25.2 Kg.

## EVOLUTION

professional and compact

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.

High quality components like ceramic pistons, brass head, long lasting professional seals, assure smooth operation and a long-lasting reliability.

QES electrical motors assure the full efficiency with lowest power consumption and low noise operation. QES units are the best solution for applications where noise is a matter of disturb. BPS internal drain system avoids to waste water during drain cycles.

Heavy-duty pumps at most competitive prices.

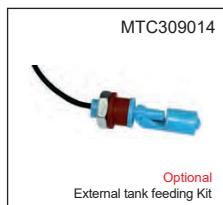
### TECHNICAL FEATURES

- professional high pressure pump, brass head
- working pressure 70 bar
- 3 heavy duty ceramic pistons
- variable flow rate, built-in bypass
- safety valve
- glycerin filled pressure gauge
- in line mounted solenoid valve 230V-50Hz
- heavy duty industrial motor, 1 PH, 2 HP, 1450 RPM, self ventilated
- thermal overload protection
- ON-OFF switch
- pressure switch to protect pump against dry running
- weatherproof steel skid cover on anti-vibration rubber feet
- noise level: 60 dB(A) (average)
- manufactured in compliance with CE regulations

**QES:** units supplied with QES low noise motors (Quiet Engine System) offer low consumption and ensure great reliability.

**BPS:** all units are equipped with By-Pass System (built-in by-pass valve), recirculating the water inside the pump, lowering overheating risk.

Fog systems driven by BPS fog pumps do not require any drain valves to empty the pipeline so that no water is wasted on the ground.



### EVOLUTION - 230V 50Hz or 60Hz - 1450 RPM

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power		
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	A (50Hz)	
MEC307036	70	1000	8 - 12	10 - 15	1	1.2	0.26	0.32	550	2.8	
MEC307030	70	1000	20 - 30	24 - 36	2.5	3	0.66	0.79	720	3.3	
MEC307038	70	1000	30 - 40	36 - 48	3	3.6	0.78	0.95	815	3.7	
MEC307031	70	1000	40 - 50	48 - 60	4	4.8	1.06	1.27	900	4.1	
MEC307032	70	1000	50 - 75	60 - 90	6	7.2	1.59	1.90	1250	5.7	

\* 0.20 mm (0.008") Nozzles

Misting pump 70bar - 1000psi  
from 8 to 75 nozzles  
230V or 120V - 50 or 60Hz



Dimensions: L 490 w. 410h. 300 mm  
Weight: 32.Kg



## EVOLUTION "TIME" series

professional, compact and versatile

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. High quality components like ceramic pistons, brass head, long lasting professional seals, assure smooth operation and a long-lasting reliability. 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.

QES electrical motors assure the full efficiency with lowest power consumption and low noise operation. QES units are the best solution for applications where noise is a matter of disturb.

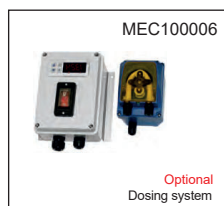
BPS internal drain system avoids to waste water during drain cycles. Heavy-duty pumps at most competitive prices.

Misting pump 70bar - 1000psi  
from 8 to 75 nozzles  
230V or 120V - 50 or 60Hz



### TECHNICAL FEATURES

- professional high pressure pump, brass head
- working pressure 70 bar
- 3 heavy duty ceramic pistons
- variable flow rate, built-in bypass
- safety valve
- glycerin filled pressure gauge
- 2 in line mounted solenoid valves 230V-50Hz
- heavy duty industrial motor, 1 PH, 2 HP, 1450 RPM, self ventilated
- thermal overload protection
- ON-OFF switch
- 3 functions cyclic digital timer (T1 pause - T2 on - T3 drain)
- pressure switch to protect pump against dry running
- weatherproof steel skid cover on anti-vibration rubber feet
- noise level: 60 dB(A) (average)
- manufactured in compliance with CE regulations



### EVOLUTION TIME - 230V 50Hz or 60Hz - 1450 RPM

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power		
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	Ah (50Hz)	
MEC307056	70	1000	8 - 12	10 - 15	1	1.2	0.26	0.32	550	2.8	
MEC307050	70	1000	20 - 30	24 - 36	2.5	3	0.66	0.79	720	3.3	
MEC307058	70	1000	30 - 40	36 - 48	3	3.6	0.78	0.95	815	3.7	
MEC307051	70	1000	40 - 50	48 - 60	4	4.8	1.06	1.27	900	4.1	
MEC307052	70	1000	50 - 75	60 - 90	6	7.2	1.59	1.90	1250	5.7	

\* 0.20 mm (0.008") Nozzles

Dimensions: L 490 w. 410h. 300 mm  
Weight: 33 Kg.

## EVOLUTION "TIME" KEM series for the DUST and ODOR suppression

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 for dust and odor suppression or sanitizing by chemicals spreading. Pump parts are made by oxidation resistive materials like Nickel, Brass, Stainless Steel, Aluminium, Viton, 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%.

QES electrical motors assure the full efficiency with lowest power consumption and low noise operation. QES units are the best solution for applications where noise is a matter of disturb.

BPS internal drain system avoids to waste water and chemicals during drain cycles. Flow rates ranging from 1 to 6 l/min, single phase electric motor.

Misting pump 70bar - 1000psi  
from 8 to 75 nozzles  
230V or 120V - 50 or 60Hz



Evolution Time KEM

### TECHNICAL FEATURES

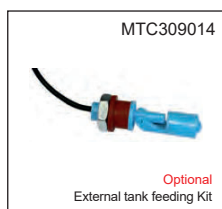
- professional high pressure pump, **nickel head**
- **Viton®** seals
- 3 **heavy duty ceramic coated** plungers
- working pressure 70 bar
- variable flow rate, built-in bypass
- safety valve
- glycerin filled pressure gauge
- 2 in line mounted solenoid 230V-50Hz
- heavy duty industrial motor, single phase 2.0 HP, 1450 RPM, self ventilated
- ON-OFF switch and thermal overload protection
- 3 functions programmable cyclic digital timer
- weatherproof steel skid cover on antivibration rubber feet
- pressure switch to protect pump against dry running
- noise level: 60 dB(A) (average)
- manufactured in compliance with CE regulations

Oxidation/Chemical resistive:  
• NICKEL pump head  
• VITON seals



MEC100004

Optional  
Dosing system



MTC309014

Optional  
External tank feeding Kit



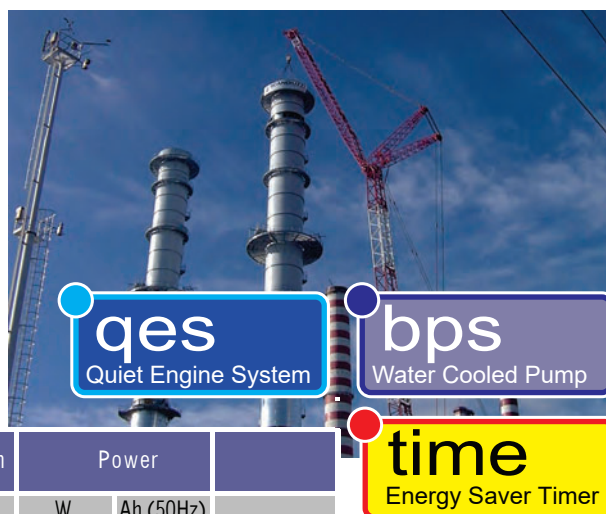
MEC500005

Optional  
9" Filter Kit

### EVOLUTION TIME KEM - 230V 50Hz or 60Hz - 1450 RPM

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power		
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	Ah (50Hz)	
MEC308056	70	1000	8 - 12	10 - 15	1	1.2	0.26	0.32	550	2.8	
MEC308050	70	1000	20 - 30	24 - 36	2.5	3	0.66	0.79	720	3.3	
MEC308058	70	1000	30 - 40	36 - 48	3	3.6	0.78	0.95	815	3.7	
MEC308051	70	1000	40 - 50	48 - 60	4	4.8	1.06	1.27	900	4.1	
MEC308052	70	1000	50 - 75	60 - 90	6	7.2	1.59	1.90	1250	5.7	

\* 0.20 mm (0.008") Nozzles



**qes**  
Quiet Engine System

**bps**  
Water Cooled Pump

**time**  
Energy Saver Timer

Dimensions: L 490 w. 410 h. 300 mm  
Weight: 33 Kg.



## PROFESSIONAL HW series

high reliability and long lasting lifetime

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 8 up to 12 liters/min. with single-phase or three-phase electric motor. High quality components like ceramic pistons, brass head, long lasting professional seals, assure smooth operation and a long-lasting reliability. Our built-in digital cyclic timer ("Time" versions only) offers the full control 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. BPS internal drain system avoids to waste water during drain cycles and prevents overheating. Heavy-duty pumps at most competitive prices.

### TECHNICAL FEATURES

- triplex high pressure crankshaft pump
- 3 ceramic plungers, brass head
- working pressure 70 bar
- pressure regulating valve, built-in BPS bypass
- safety valve
- glycerin filled pressure gauge
- in line mounted solenoid valve 2 30V-50Hz
- heavy duty industrial electric motor with thermal overload
- 1 PH 230V or 3 PH 400V, 3.0 HP, 1450 RPM, self ventilated el. motor
- ON-OFF switch ON-OFF switch
- cyclic digital timer (Professional Time HW only)
- electric float switch to protect pump against dry running
- weatherproof steel skid cover on antivibration rubber feet
- manufactured in compliance with CE regulations

Misting pump 70bar - 1000psi  
from 75 to 150 nozzles  
230V or 400V - 50 or 60Hz



Professional Time HW



### Professional HW - 1450 rpm (50Hz) / 1750 rpm (60Hz)

Code	Pressure		Nozzles*		Output lpm		Output gpm		Volt	Power		
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		W	Ah (50Hz)	
MEC307133	70	1000	75 - 100	90 - 120	8.5	10.1	2.20	2.70	230	1800	8.6	
MEC307134	70	1000	100 - 125	120 - 150	10	12	2.60	3.20	230	2050	10.6	
MEC307135	70	1000	125 - 150	150 - 180	12	14	3.10	3.70	400	2200	5.8	

### Professional TIME HW - 1450 rpm (50Hz) / 1750 rpm (60Hz)

Code	Pressure		Nozzles*		Output lpm		Output gpm		Volt	Power		
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		W	Ah (50Hz)	
MEC307153	70	1000	75 - 100	90 - 120	8.5	10.1	2.20	2.70	230	1800	8.6	
MEC307154	70	1000	100 - 125	120 - 150	10	12	2.60	3.20	230	2050	10.6	
MEC307155	70	1000	125 - 150	150 - 180	12	14	3.10	3.70	400	2200	5.8	

\* 0.20 mm (0.008") Nozzles



**bps**  
Water Cooled Pump

**time**  
Energy Saver Timer

Dimensions: L 525 w. 450 h. 310 mm  
Weight: 48 - 50 Kg according to model

## NT-FOG series

high reliability and long lasting lifetime

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 15 up to 43 liters/min (from 4 up to 11.4 US GPM). with three-phase electric-motor. High quality components like ceramic pistons, brass head, long lasting professional seals, assure smooth operation and a long-lasting reliability. SSC safety features avoid accidental flooding by stopping the pump in case of leakages.

BPS internal drain system avoids to waste water during drain cycles and prevents overheating. Heavy-duty pumps at most competitive prices.

### TECHNICAL FEATURES

- triplex high pressure heavy-duty crankshaft pump
- 3 ceramic plungers, brass head
- pump-motor transmission with flexible coupling
- working pressure 70 bar
- pressure regulating valve
- safety valve
- glycerin filled pressure gauge
- high pressure solenoid drain valve 230V-50Hz
- heavy duty electric motor 5.5-7.5-10 HP, 1450RPM, self ventilated
- ON-OFF switch with thermal overload
- 3/4" M BSP inlet - 3/8" M BSP outlet (up to 21 lpm)
- 3/4" M BSP inlet - 1/2" M BSP outlet (over 21 lpm)
- pressure switch to protect pump against dry running
- 40bar SSC (automatic shutdown with pipeline breakage)
- weatherproof frame (optional S.Steel) and S.Steel cover
- antivibration rubber feet
- manufactured in compliance with CE regulations

Heavy Duty  
misting pumps!

OPTIONAL  
S.Steel frame

OPTIONAL  
S.Steel pump

MEC400033



Optional  
Flexible hose 1 m - 1/2" F

MEC400032



Optional  
Flexible hose 1 m - 3/8" F

MTC309017



Optional  
BPS Kit

NT-FOG 400V-50Hz 1450 rpm (460V-60Hz 1750 rpm)

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power	
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	Ah (50Hz)
MTC308111	70	1000	150-190	180-230	15	18	3.96	4.75	2100	5.5
MTC308112	70	1000	190-230	230-275	18	21	4.75	5.70	2660	7.0
MTC308113	70	1000	230-260	275-310	21	25	5.54	6.65	3250	8.5
MTC308114	70	1000	260-340	340-410	27	32	7.13	8.55	4050	11
MTC308115	70	1000	340-440	410-530	35	42	9.24	11.08	5120	14
MTC308116	70	1000	440-545	530-660	43	52	11.36	13.63	6180	17

\* 0.20 mm (0.008") Nozzles

Misting pump 70bar - 1000psi  
from 150 to 545 nozzles  
400V-50Hz or 460V-60Hz



NT-Fog

### Pump Controller NT-2

- On-Off
- Anti flooding automatic shutdown
- Lack of water shutdown
- Low voltage signal socket for remote ON/OFF control (optional)



**bps**  
Water Cooled Pump

**SSC**  
System Safety Control

Dimensions: L 1010 w. 440 h. 500 mm  
Weight: 70 - 90 Kg according to model



## NT-FOG "TIME" series

high reliability and long lasting lifetime

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 15 up to 21 liters/min (from 4 up to 5.5 US GPM), with three-phase electric motor. High quality components like ceramic pistons, brass head, long lasting professional seals, assure smooth operation and a long-lasting reliability. Our built-in digital cyclic timer offers the full control 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.

SSC safety features avoid accidental flooding by stopping the pump in the event of leakages.

BPS internal drain system avoids to waste water during drain cycles and prevents overheating. Heavy-duty pumps at most competitive prices.

### TECHNICAL FEATURES

- triplex high pressure heavy-duty crankshaft pump
- 3 ceramic plungers, brass head
- pump-motor transmission with flexible coupling
- working pressure 70 bar
- pressure regulating valve
- internal bypass and drain tank with BPS water cooling
- safety valve with bypass
- glycerin filled pressure gauge
- high pressure solenoid drain valve 230V-50Hz
- heavy duty electric motor 5.5 HP, 1450 RPM, self ventilated
- ON-OFF switch with thermal overload
- 3/4" M BSP inlet - 3/8" M BSP outlet
- 3 functions cyclic digital timer (T1 pause - T2 on - T3 drain)
- pressure switch to protect pump against dry running
- 40bar SSC (automatic shutdown with pipeline breakage)
- weatherproof frame (optional S.Steel) and S.Steel cover
- antivibration rubber feet
- manufactured in compliance with CE regulations

Heavy Duty  
misting pumps!

Misting pump 70bar - 1000psi  
from 150 to 260 nozzles  
400V-50Hz or 460V-60Hz



NT-Fog Time

### Advanced Controller TIME-2

- Continuous or intermitance spray
- Programmable cyclic timer (1s - 99 min) with drain time (T1+T2+T3)
- Anti flooding automatic shutdown
- Lack of water shutdown
- Low voltage signal socket for remote ON/OFF control (optional)

WIFI App  
on Modbus versions



OPTIONAL  
S.Steel frame

OPTIONAL  
S.Steel pump



MEC400032

Optional  
Flexible hose 1 m - 3/8" F



MEC500009

Optional  
H.P. filter 1/4" F



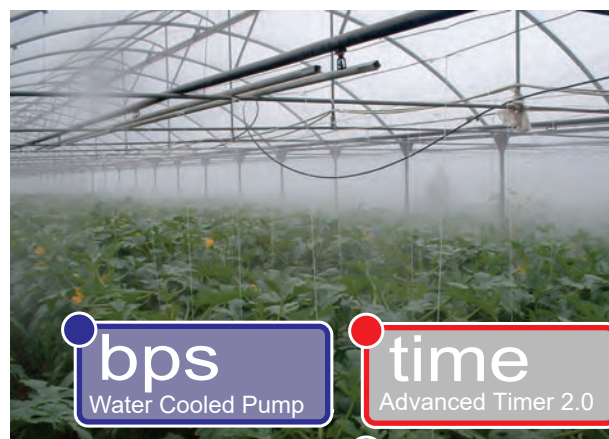
MTC520020

Optional  
20" Filter KIT

NT-FOG TIME 400V-50Hz 1450 rpm (460V-60Hz 1750 rpm)

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power	
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	Ah (50Hz)
MTC308131	70	1000	150-190	180-230	15	18	3.96	4.75	2100	5.5
MTC308132	70	1000	190-230	230-275	18	21	4.75	5.70	2660	7.0
MTC308133	70	1000	230-260	275-310	21	25	5.54	6.65	3250	8.5

\* 0.20 mm (0.008") Nozzles



bps  
Water Cooled Pump

time  
Advanced Timer 2.0

SSC  
System Safety Control

Dimensions: L 1010 w. 440 h. 500 mm  
Weight: 70 - 90 Kg according to model

## NT-FOG "VAR" series variable flow rate with VFD motors

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 18 liters/min (from 0.8 up to 4.7 US GPM), with three-phase electric motor. High quality components like ceramic pistons, brass head, long lasting professional seals, assure smooth operation and a long-lasting reliability. Our built-in digital cyclic timer offers the full control 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.

SSC safety features avoid accidental flooding by stopping the pump in the event of leakages.

BPS internal drain system avoids to waste water during drain cycles and prevents overheating.

Variable speed motor allow to build independent misting lines and areas. Heavy-duty pumps at most competitive prices.

### TECHNICAL FEATURES

- triplex high pressure heavy-duty crankshaft pump
- 3 ceramic plungers, brass head
- transmission with flexible coupling
- working pressure 70 bar
- built-in bypass water tank with solenoid valve (BPS)
- pressure regulating valve and safety valve
- glycerin filled pressure gauge
- heavy duty force-ventilated motor 3-phase 5.5 HP, 145- 1450 RPM
- ON-OFF switch with thermal overload
- 3/4" M BSP inlet - 3/8" M BSP outlet
- 3 functions cyclic digital timer (T1 pause - T2 on - T3 drain)
- equipped with three-phase inverter drive, customized software
- low noise
- automatic variable flow rate
- can operate several nozzle lines
- automatic switch-off if all line are closed
- automatic switch-off if water supply is missing
- automatic switch-off if no pressure (leakage) is detected
- automatic switch-on if at least one line is opened
- automatic switch-off if motor overheats
- energy saving (absorbed power is proportional to water flow)
- longer pump life (lower RPM)
- automatic filling of pipelines (timer OFF until lines are refilled)
- weatherproof frame/c over on antivibration feet
- manufactured in compliance with CE regulations

The industrial misting pump!

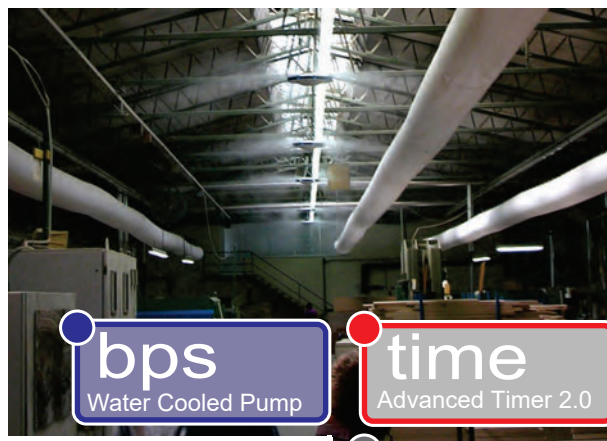
Misting pump 70bar - 1000psi  
from 12 to 230 nozzles  
400V-50Hz or 60Hz



NT-Fog VAR

### Advanced Controller TIME-2

- Continuous or intermittent spray
- Programmable cyclic timer (1s - 99 min) with drain time (T1+T2+T3)
- Anti flooding automatic shutdown
- Lack of water shutdown
- Low voltage signal socket for remote ON/OFF control (optional)



**bps**  
Water Cooled Pump

**time**  
Advanced Timer 2.0

**SSC**  
System Safety Control

**var**  
Variable Flow Rate

WIFI App  
on Modbus versions



NT-FOG TIME VAR - 400V 50Hz or 60Hz - 1450 rpm

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power		
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	Ah (50Hz)	
MTC308082	70	1000	12 - 125	15 - 150	1 - 10	1.2 - 12	0.8-2.6	0.9-3.1	2000	5.0	
MTC308080	70	1000	18 - 190	22 - 228	1.5 - 15	1.8 - 18	1.2-3.9	1.4-4.7	2100	5.5	
MTC308081	70	1000	23 - 230	28 - 275	2 - 18	2.4 - 21	1.3-4.7	1.5-5.6	2660	7.0	

\* 0.20 mm (0.008") Nozzles

Dimensions: L 1010 w. 440 h. 500 mm  
Weight: 70 - 90 Kg according to model



## MISTMATIC "VAR" series variable flow rate with VFD motors

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 0.5 up to 5 liters/min. with single-phase power supply.

Our built-in digital cyclic timer offers a full and efficient control of the misting system by setting the frequency of mist spray, increasing the advantages on water and energy consumption with savings up to 80% if compared to other systems.

Variable Frequency Drive (VFD) allows to build independent misting lines/zones and operates the pump automatically.

### TECHNICAL FEATURES

- heavy duty high pressure pump
- 3 ceramic plungers, brass head
- working pressure: 70 bar
- safety valve
- glycerin filled pressure gauge
- inline mounted high pressure solenoid valve 230V-50Hz
- heavy duty ventilated industrial motor VFD, 2 HP, 300-1450 RPM
- ON-OFF switch
- Ocyclic digital timer
- waetherproof steel skid cover on antivibration rubber feet
- 31.5 KW single-ph to three-ph VFD - Soft start ( 100%-20% range )
- low noise
- automatic variable flow rate
- can operate several nozzle lines
- can operate several nozzle lines
- automatic switch-off if all line are closed
- automatic switch-off if dry running is detected
- automatic switch-off if no pressure (leakage) is detected
- automatic switch-on if at least one line is opened
- automatic switch-off if motor overheats
- manufactured in compliance with CE regulation

Misting pump 70bar - 1000psi  
from 5 to 60 nozzles  
230V-50Hz or 60Hz



MistMatic VAR

### Advanced Controller TIME-2

Continuous or intermittance spray  
Programmable cyclic timer (1s - 99 min) with drain time (T1+T2+T3)  
Anti flooding automatic shutdown  
Lack of water shutdown  
Low voltage signal socket for remote ON/OFF control (optional)

WIFI App  
on Modbus versions



- MODBUS-RS485 (optional)
- Remote ON-OFF dry contact (optional)



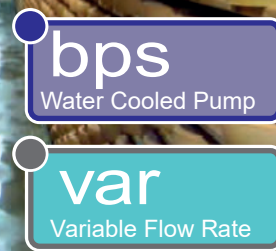
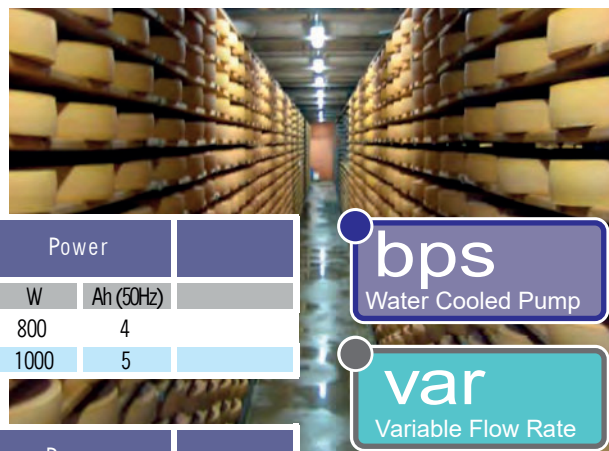
### MISTMATIC VAR - 230V 50Hz or 60Hz -1450RPM

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power		
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	Ah (50Hz)	
MTC308084	70	1000	5 - 30	5 - 30	0.5-2.5	0.5-2.5	0.1-0.65	0.1-0.65	800	4	
MTC308085	70	1000	10- 60	10- 60	1-5	1-5	0.2-1.3	0.2-1.3	1000	5	

### MISTMATIC VAR HT- 230V 50Hz or 60Hz -1450RPM

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power		
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	Ah (50Hz)	
MTC308094	70	1000	5 - 30	5 - 30	0.5-2.5	0.5-2.5	0.1-0.65	0.1-0.65	800	4	
MTC308095	70	1000	10- 60	10- 60	1-5	1-5	0.2-1.3	0.2-1.3	1000	5	

\* 0.20 mm (0.008") Nozzles



Dimensions: L 650 w 420 h 360 mm  
Weight 37 Kg

## POLARIS “LSP” series the quietest misting pump

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 up to 2.5 l./min. with single-phase power supply. Our built-in digital cyclic timer (“Time” versions only) offers the full efficiency control 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.

LSP system with 700 RPMS motor allows very low noise and longer pump lifetime.

### TECHNICAL FEATURES

- professional high pressure pump, brass head
- working pressure 70 bar
- 3 heavy duty ceramic coated plungers
- pressure regulating valve, built-in bypass with solenoid valve (BPS)
- safety valve
- glycerin filled pressure gauge
- in line mounted high pressure solenoid valve 230V-50Hz
- heavy duty el. motor, three phase 2.0 HP, 700 RPM, self ventilated
- thermal overload protection
- ON-OFF switch
- 3 functions cyclic digital timer
- pressure switch to protect pump against dry running
- equipped with 1.5 kW single-ph to three-ph inverter
- weatherproof steel and plastic cover on anti-vibration rubber feet
- manufactured in compliance with CE regulations
- noise level: 50 dB(A) (average)

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

**TIME 2.0:** all units supplied with advanced digital timer 2.0 allow to modulate the operation of the system, regulating the mist spray according to existing environment conditions and therefore saving energy and water.



**Super Quiet Engine!**  
**Less than 50 dB(A)**

Misting pump 70bar - 1000psi  
from 5 to 30 nozzles  
230V-50Hz or 60Hz



Polaris LSP



POLARIS LSP - 230V 50Hz or 60Hz - 700 rpm

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power		Price
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	Ah (50Hz)	
MEC308086	70	1000	5 - 30	5 - 30	2.5	2.5	0.66	0.66	720	3.3	

\* 0.20 mm (0.008") Nozzles

Dimensions: L 590 w. 480 h. 370 mm  
Weight: 36 Kg. according to model



## DELTA KEM S.Steel series

S.S. pump for aggressive chemicals

These series of professional high pressure pumps S.Steel are the suitable solution with high quality and safety standard for all requirements to systems l /min build professional misting 5 liters flow rate. with Misting systems single-phase electric motor assembled with these pumps and our S.Steel pipes and fittings are capable of spraying a wide variety of aggressive chemicals. Our built-in digital controller allows to operate an automatic drain valve and to monitor water supply and working pressure. SSC safety features avoid accidental flooding by stopping the pump in case of leaks.

Oxidation/Chemical resistive:

- S.steel pump head
- VITON seals

Misting pump 70bar - 1000psi  
from 55 to 65 nozzles  
230V-50Hz or 60Hz



Delta KEM S. Steel

### TECHNICAL FEATURES

- heavy-duty high pressure pump
- 3 ceramic plungers, S.Steel head
- working pressure 70 bar
- safety valve
- high pressure S.Steel solenoid drain valve 24V DC
- S.Steel inlet solenoid valve 24V DC
- drain hose
- high pressure switch
- heavy duty ventilated industrial motor single-phase 3 HP, 1450 RPM
- ON-OFF switch
- digital display controller
- S.Steel skid on antivibration rubber feet
- low noise
- automatic switch-off if dry running is detected
- automatic switch-off if no pressure (leakage) is detected
- manufactured in compliance with CE regulations

**SSC:** System Safety Control shuts down the pump in the event of the pressure dropping below 40 bar preventing flooding caused by broken tubing. It also prevents pump from dry running. A reliable solution for 24H safe operating systems

S.STEEL  
Pump & Parts



DELTA KEM -230V 50Hz or 60Hz - 1450 rpm

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power	
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	A (50Hz)
MTC307314	70	1000	55 - 65	66 - 78	3.5	4.2	0.94	1.11	1780	7.1
MTC307315	70	1000	55 - 65	66 - 78	5	6	1.32	1.58	1780	7.1

\* 0.20 mm (0.008" Nozzles)

**SSC**  
System Safety Control

Dimensions: l 950 w. 550 h. 450 mm  
Weight: 35 Kg

## AIRMIST series

the professional low pressure humidifier

These series of professional humidifiers are the suitable solution for the humidification in cold rooms up to -4 °C. The combined operation of water and air ensures a very thin mist that evaporates very quickly even at low temperatures. The unit's programmable humidity controller allows to maintain the required humidity level. When the desired humidity level is reached, the system drains the water away from the pipeline to avoid water to freeze. The air pressure adjustment allows to regulate the intensity of atomization and to adapt the system to all needs.

### TECHNICAL FEATURES

- digital control unit
- air pressure regulator
- air pressure gauge
- water pressure gauge
- 2 x water-air solenoid valves , 230V-50Hz
- drain line solenoid valve, 24 V external
- built-in humidity controller (RH %)
- ON/OFF Switch
- stainless Steel frame
- manufactured in compliance with CE regulations
- noise level: 45 dB(A) (average)

for cold rooms up to  
-4°C / 25°F



AirMist

### BENEFITS

The advantages resulting from using our humidification systems on food products and other applications:

- reduces dehydration
- reduces weight loss of the product
- longer freshness and look
- the temperature cools naturally down
- facilitates the process of ripeness of some kinds of fruit
- controls the spread of odours
- reduces static electricity

Cold rooms  
Greenhouses  
Textiles  
Electronics  
Laboratories  
Pharmaceuticals  
Museums  
Typography



MTC830001

Optional  
HR-NOZZLE2

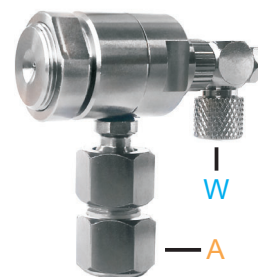


Plate / Panel Mounted Threaded Nozzle\*  
W = WATER hose: 4x2.5 mm  
A = AIR hose: 6x8 mm

\* Nozzles require water and 2-10 bar (29-145 psi) compressed air supply with filters

### AirMist 1-10 nozzles

Code	Max air pressure		Max water pressure		Power		Temp	Volt	Nozzles*	
	Bar	psi	Bar	psi	W	Ah			Min/Max	
MTC307301	10	145	6	87	70	0.3	-4	230	1 - 10	

Dimensions: L 472 w. 374 h. 332 mm  
Weight: 17 Kg.



## MOSKITO - Terminator

### outdoor mosquito defense system

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 up to 6 l/min with single phase electric motor.

High quality components like S.Steel pistons, anodized aluminum head, long lasting professional seals, assure smooth operation and a long-lasting reliability. Our built-in digital timer offers full control of the efficiency of the misting 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.

It is the ideal pump for dispensing insect repellents with integrated timer and great programming flexibility. Dosing the right repellent quantity per day has never been easier.

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

Heavy-duty pumps at most competitive prices.

### TECHNICAL FEATURES

- professional high pressure pump, 50 bar
- anodized aluminum head
- 3 heavy duty S.Steel plungers
- pressure regulating valve
- inlet solenoid valve 230V-50Hz
- inlet check valve
- heavy duty industrial motor, single phase 2.0 HP, 1450 RPM, self ventilated
- thermal overload protection
- ON-OFF switch
- professional dosing pump
- built-in programmable digital timer TIME 2.0 (on/off cycles with clock)
- S.STEEL housing on antivibration rubber feet
- inlet: 10 mm - outlet: high pressure 1/4" for PA pipes
- low noise level: 60 dB(A) (average)
- manufactured in compliance with CE regulations



**QES:** units supplied with QES low noise motors (Quiet Engine System) offer low consumption and ensure great reliability.

**TIME 2.0:** all units supplied with advanced digital timer 2.0 allow to modulate the operation of the system, regulating the mist spray according to existing environment conditions and therefore saving energy and water

### MOSKITO-T - 230V 50Hz or 120V 60Hz - 1450 RPM

Code	Pressure		Nozzles*		Output lpm		Output gpm		Power		
	bar	psi	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	W	A (50Hz)	
MTC309106	50	700	5 - 55	7 - 66	6	7.2	1.59	1.90	1250	5.7	

0.30 mm (0.012") Nozzles

Misting pump 50bar - 700psi  
max. line length: 200 m / 650 ft  
up to 55/66 nozzles  
230V 50Hz or 120V 60Hz



suitable for a perimeter up to 650ft



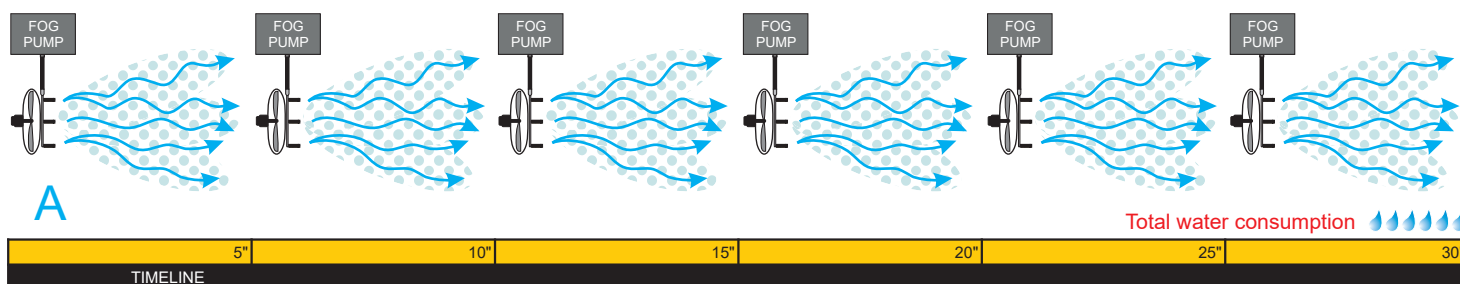
## WHY OUR PUMPS ARE THE BEST CHOICE

"TIME" and "BPS" and "VAR" features make the difference

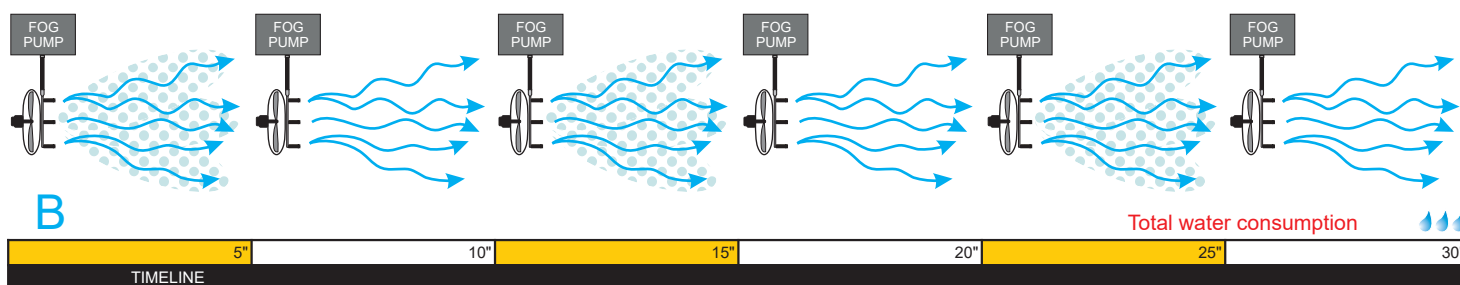


TIME version pumps are supplied with a digital timer that allows to control the amount of misting by programming a timer and setting the duration of ON and OFF spraying cycles. This allows to save a great amount of water without losing evaporative cooling performance. During the OFF cycle the pump does 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. Our Pumps equipped with BPS assure long lifetime and less maintenance, furthermore a cold running pump increases cooling effect and motor performance, saving energy.

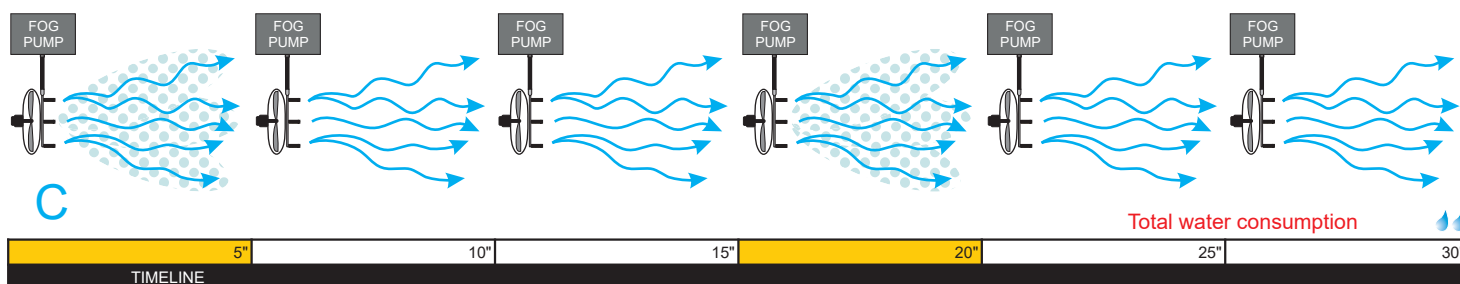
A) "TIME" version pump with CONTINUOUS mode setting



B) "TIME" version pump with 5" ON / 5" OFF mode setting



C) "TIME" version pump with 5" ON / 10" OFF mode setting



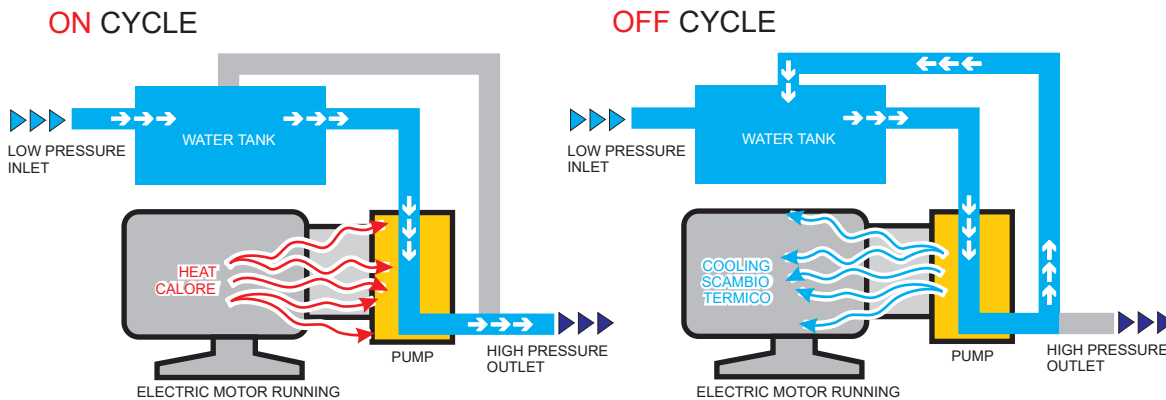
BPS equipped pumps are supplied with an external by-pass water tank that allows external recycling of water coming from pump head. This allows to mix cold water coming from water supply to warm water (heated by motor) coming from pump by-pass. BPS system keeps pump temperature under control assuring reliability and less servicing. By avoiding very high temperatures, the BPS prevents motor overheating and it improves pump efficiency by reducing scale deposits on valves and nozzles. Furthermore, BPS acts as an automatic drainage system: fog system pipeline is always drained into the internal water tank when the pump is switched off, no external drain valves are required.





## WHY OUR PUMPS ARE THE BEST CHOICE

"TIME" and "BPS" and "VAR" features make the difference



**bps**  
Water Cooled Pump

BPS WORKING PRINCIPLE

## "BPS", "QES" and "LSP" features assure longer life and reliability

QES and LSP electric motor operates more quietly and efficiently, it is more reliable and offers better performance than its predecessor. Thanks to its low noise level, this motor is best suitable for applications where low noise and smooth operation play an important role. For customers this means less energy consumption and thus lower costs. Moreover less overheating allows better performances of motors in heavy duty applications.

**qes**  
Quiet Engine System

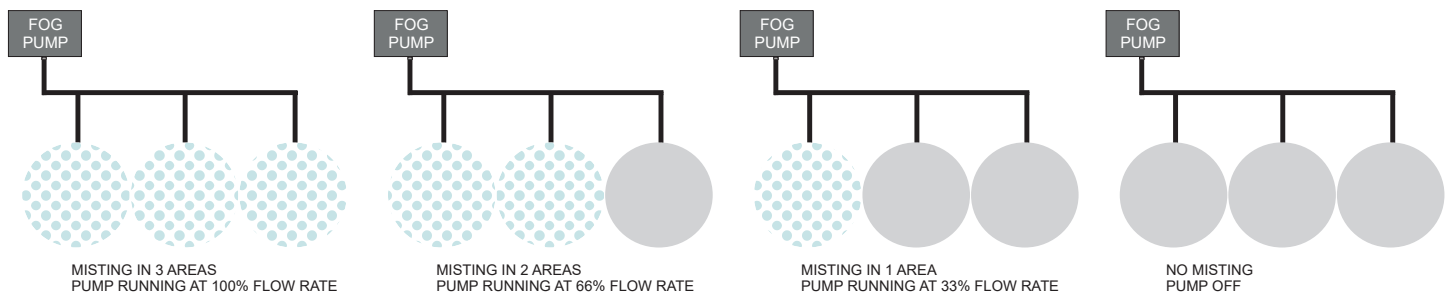
**lsp**  
Low Speed Motor

We are the first manufacturer of less than 55db noise level Misting pumps.

## "VAR" functionality lets you manage multiple areas independently

'VAR' functionality is a new integrated electronic management system. The new pump series 'VAR' would allow for any particular installations where it is needed to manage different areas independently. The system checks working pressure in real time, and it keeps it constant. It automatically adjusts the power and the pump flow to match the number of spraying nozzles. It becomes possible to divide the plant in several areas that can be managed independently and automatically. 'VAR' system is also able to detect any faults in the misting system and when needed it automatically turns it off.

**var**  
Variable Flow Rate



- ON-OFF switch
- cyclic digital timer
- 1.5 kW single-ph to three-ph inverter - soft start
- low noise
- automatic variable flow rate
- can operate several nozzle lines

- automatic switch-off if all line are closed
- automatic switch-off if dry running is detected
- automatic switch-off if no pressure (leakage) is detected
- automatic switch-on if at least one line is opened
- automatic switch-off if motor overheats

### MOBI-COOL

#### Portable 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 58 DB noise emission, thanks to a low consumption technology designed for applications in environments requiring low noise emissions.

#### TECNICAL 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 self-ventilated industrial motor
- thermal overload protection
- 60 liters (15.85 Gallons ) water tank
- OFF/FAN-ON/FAN AND MISTING ON switch
- weight balanced, wheels and handle for easy displacement
- electric float switch level controller to protect pump against dry running
- manufactured in compliance with CE regulations

#### 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.

**BPS:** all units are equipped with By-Pass System (built-in by-pass valve), recirculating the water inside the pump, lowering overheating risk.

Fog systems driven by BPS fog pumps do not require any drain valves to empty the pipeline so that no water is wasted on the ground.

**QES:** units supplied with QES low noise motors (Quiet Engine System) offer low consumption and ensure great reliability.

**Super Quiet Engine!**  
**Less than 58 dB(A)**

**Area Coverage:**  
**over 50 m !**



Dimensions: WxHxP 580x2050x580 mm  
Weight: 50 Kg (empty water tank)



#### Mobi-Cool 900

Code	Pressure		Output		Power		Running time	Volt	Nozzles	
	Bar	psi	l/m	gpm	W	Ah			Min/Max	
MTC600080	70	1000	0.31	0.08	450	2.3	3	230	4 x 0.20	
MTC600081	70	1000	0.18	0.05	450	2.3	5	230	4 x 0.15	

MobiCool 900 with 6P motor, 950 RPM, noise level 58dB (average)



Adjustable height



## I-COOLER

### Portable high pressure misting fan

I-COOLER is a stand-alone, portable, high-pressure, low-noise misting fan with cooling effect. Thanks to the built-in pressurization system, I-COOLER 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. I-COOLER 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.

I-COOLER 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
- 70 liters (18.5 Gallons ) water tank
- OFF/FAN-ON/FAN AND MISTING ON switch
- digital cyclic timer (min./sec.)
- daily and weekly timer programming (optional)
- water level alarm 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)

**Super Quiet Engine!  
Less than 60dB(A)**

**Area Coverage:  
over 50 m !**



### 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.**

**BPS:** all units are equipped with By-Pass System (built-in by-pass valve), recirculating the water inside the pump, lowering overheating risk.

Fog systems driven by BPS fog pumps do not require any drain valves to empty the pipeline so that no water is wasted on the ground.

**QES:** units supplied with QES low noise motors (Quiet Engine System) offer low consumption and ensure great reliability.



Digital control panel with timer

### I-Cooler

Code	Pressure		Output		Power		Running time	Volt	Nozzles	
	Bar	psi	l/mn	gpm	W	Ah				
MEC600190	70	1000	0.31	0.08	450	2	3 - 6	220-240	4 x 0.20	
MEC600191	70	1000	0.18	0.05	450	2	5 - 10	220-240	4 x 0.15	

Dimensions: WxHxP 580x2050x580 mm  
Weight: 50 Kg (empty water tank)



## 24" and 30" MIST COOLING FANS

If compared to standard air conditioning systems, our misting fans offer great benefits in industrial cooling thanks to high performances and low energy consumption.

### Heavy duty Wall Mounting fan

80 cm - 30"

● Silver /Argento

IP54

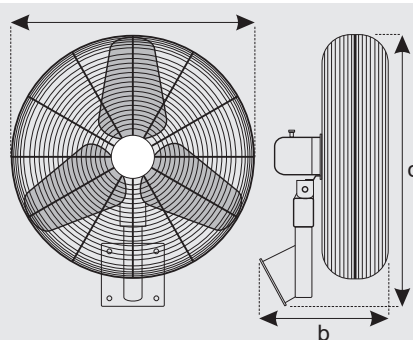


box size: 39x7x33.3 in - weight: 17.8 Kg. - 40 lbs

Cod.  
MTC600029

#### Description

Mod. WF3080 - 220-240V 50/60Hz  
3 speed axial mist cooling fan - dia. 80 cm  
wall mounting - standard bracket included  
tilting and 90° oscillation  
switch on cable  
suitable for outdoor installation  
Air speed 507 m/min  
Air flow 15,000 m3/h  
Background noise level: 42.2 dB(A)  
Power: 139W (0.65 Amps)  
EN60335-1 / EC60335-2-80 compliant



fan size (cm / in)  
a = 80.0 / 31.5"  
b = 33.0 / 13"  
c = 83.0 / 32.7"

### Heavy duty Wall Mounting fan

60 cm - 24"

● Silver /Argento

IP54

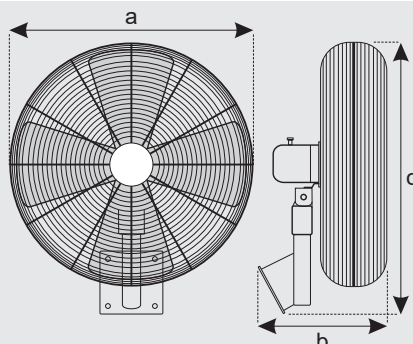


box size: 33x7x26 in - weight: 14.9 Kg. - 33 lbs

Cod.  
MEC600001

#### Description

Mod. WF2460 - 220-240V 50/60Hz  
3 speed axial mist cooling fan - dia. 60 cm  
wall mounting - standard bracket included  
tilting and 90° oscillation  
switch on cable  
suitable for outdoor installation  
Air speed 507 m/min  
Air flow 12,500 m3/h  
Background noise level: 42.2 dB(A)  
Power: 167W (0.72 Amps)  
EN60335-1 / EC60335-2-80 compliant



fan size (cm / in)  
a = 65 / 25.6"  
b = 42 / 16.5"  
c = 69 / 27"



## 20" MIST COOLING FANS

If compared to standard air conditioning systems, our misting fans offer great benefits in industrial cooling thanks to high performances and low energy consumption.

50 cm - 20"

● Silver

IP54



box size: 21x7x21 in - weight: 6 Kg. - 13 lbs

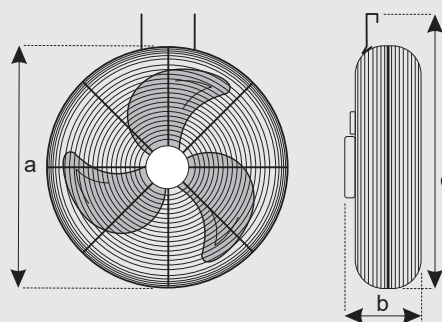
### Heavy duty Hanger fan

Cod.

MEC600050

Description

Mod. HF2050 - 220-240V 50/60Hz  
3 speed axial mist cooling fan - dia. 50 cm  
roof mountig - non-oscillating  
mounting accessories included  
switch on rear grill  
suitable for outdoor installation  
Air speed 200 m/min  
Air flow 6,500 m3/h  
Background noise level: 42.2 dB(A)  
Power: 75W (0.34 Amps)

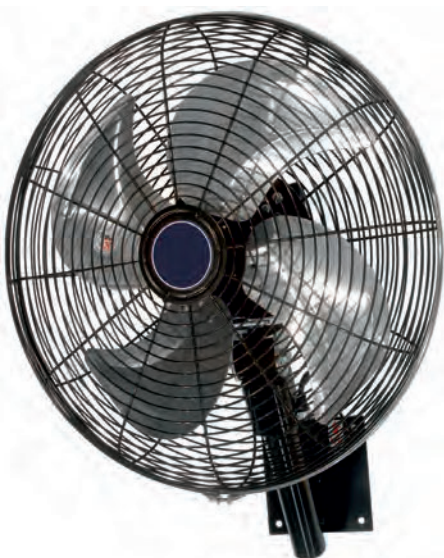


fan size (cm / in)  
a = 51.0 / 20"  
b = 16.5 / 6.5"  
c = 74.0 / 29"

50 cm - 20"

● Black

IP54



box size: 21x10x21 in - weight: 9.5 Kg. - 21 lbs

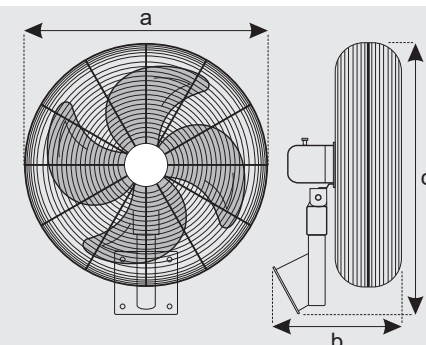
### Heavy duty Wall Mounting fan

Cod.

MTC600041

Description

Mod. WF2050 - 220-240V 50/60Hz  
3 speed axial mist cooling fan - dia. 50 cm  
wall mounting - standard bracket included  
tilting and 90° oscillation  
switch on cable  
suitable for outdoor installation  
Air speed 310 m/min  
Air flow 9,500 m3/h  
Background noise level: 43 dB(A)  
Power: 88W (0.40Amps)  
EN60335-1 / EC60335-2-80 compliant



fan size (cm / in)  
a = 51.5 / 20"  
b = 31.0 / 12"  
c = 69.0 / 27"

## SPECIAL FANS & ACCESSORIES

If compared to standard air conditioning systems, our misting fans offer great benefits in industrial cooling thanks to high performances and low energy consumption.

90 cm - 36"

● Black / Nero

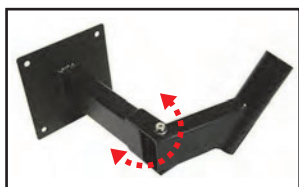
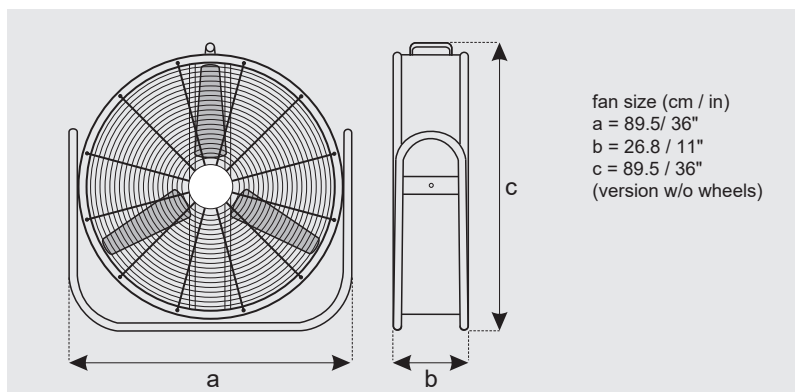
IP54



box size: 35x11x34 in - weight: 27 Kg. - 60 lbs

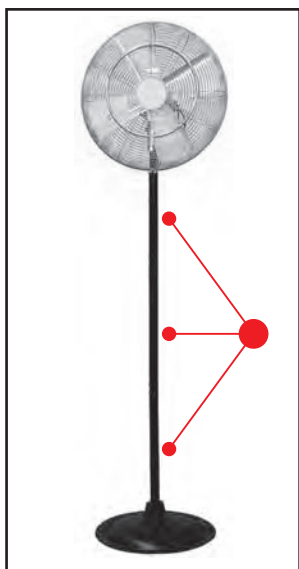
### Heavy duty Mobile Blower Fan

Cod.	Description
MTC600030	<p>MTC600030 - 220-240V 50/60Hz</p> <p>3 speed axial mist cooling fan - dia. 90 cm</p> <p>on trolley - 360° slewing</p> <p>optional wall mounting</p> <p>Air speed 441 m/min</p> <p>Air flow 15,800 m<sup>3</sup>/h *</p> <p>Background noise level: 56 dB(A)</p> <p>Power: 312W (1.36 Amps) - 930 RPM</p> <p>EN60335-1 / EC60335-2-80 compliant</p>



### Adjustable Tilting Wall Mount Bracket for wall fan (MEC600001 - M TC600029 - M TC600041)

Cod.	Description
MEC600008	<p>Wall mount bracket</p> <p>with 180° adjustable arm</p> <p>suitable for angle mounting</p>



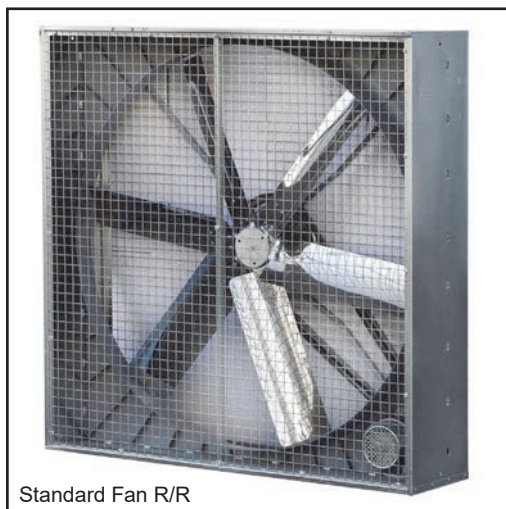
### 3 pcs. pedestal for fan (MEC600001 - M TC600041)

Cod.	Description
MEC600002	3 pcs. max. height 175 cm.





## Mist Cooling Fans



### Heavy duty Box fans

#### Description

Voltage: 400V-50Hz  
Single phase electric motor on request  
Double side net protection  
roof mountig - non-oscillating  
or wall - bracket mounting  
Air flow from 12000 up to 40000 m3/H  
Noise level of fan, background noise level: 6  
Galvanized steel / Six s.steel blades  
Belt drive

### Heavy duty Exhaust Box fans

#### Description

Voltage: 400V-50Hz  
Single phase electric motor on request  
Rear side net protection  
Front side automatic shutter  
roof mountig - non-oscillating  
or wall - bracket mounting  
Air flow from 12000 up to 40000 m3/H  
Background noise level: 61 dB(A)  
Galvanized steel / Six s.steel blades  
Belt drive



100% Made in EU  
· S.STEEL blades

### BOX FAN (double net R/R)

Code	Model	Dimensions		Air flow		Power		Volt	Weight	
		LxH cm	P c	M3/h	CFM	W	HP			
MEC600162	140	138	33	40000	23500	74	1.00	400	50	
MEC600163	120	115	33	27000	15900	560	0.75	400	40	
MEC600164	100	96	33	15000	8800	370	0.50	400	32	
MEC600165	80	80	33	11000	6500	370	0.50	400	28	

### EXHAUST BOX FAN (net and shutter R/S)

Code	Model	Dimensions		Air flow		Power		Volt	Weight	
		LxH cm	P c	M3/h	CFM	W	HP			
MTC600172	140	138	45	40000	23500	745	1.00	400	70	
MTC600173	120	115	45	27000	15900	560	0.75	400	50	
MTC600174	100	96	45	15000	8800	370	0.50	400	44	
MTC600175	80	80	45	11000	6500	370	0.50	400	32	

Our standard and exhaust fans offers high volume output and smooth, efficient operation. The heavy duty galvanized housing is strong, compact, and easy to install. Automatic shutters are included in the exhaust models. The high velocity air pattern provides maximum cooling at the lowest electrical cost.

## Mist Cooling Fans



Industrial and farm installations



Housing detail



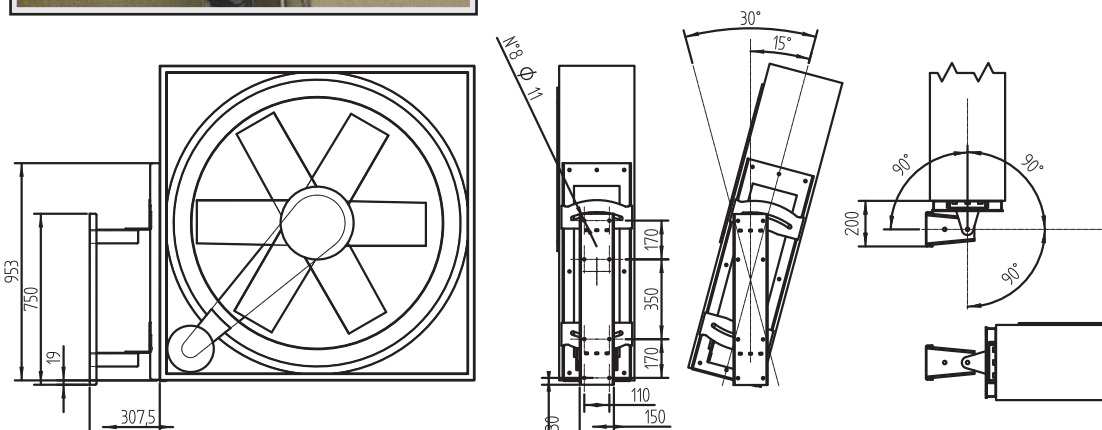
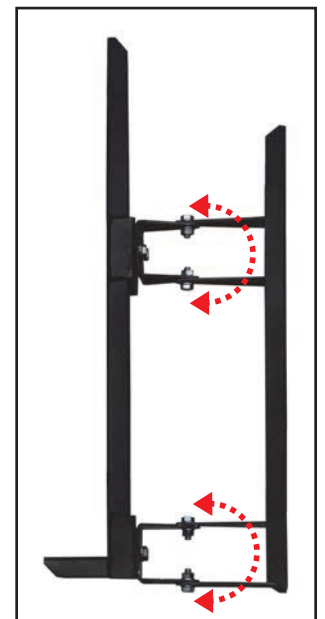
Wall mount bracket for box fan

### Description

Wallmount bracket for box fan with 180 degrees adjustable arm and tilting.

### Code

MEC600168





## EUROJET

A revolutionary cooling and humidification system for large outdoor and indoor areas.

Eurojet has been developed and realized by technical experts and industrial designers to guarantee the best cooling of outdoor areas in hot ambient temperatures and excellent humidification for industrial applications.

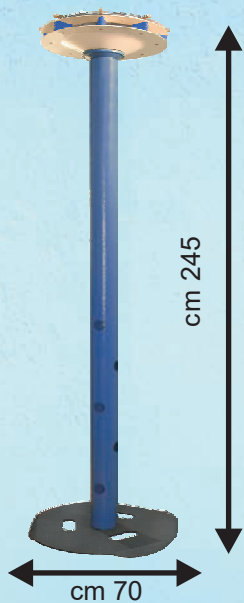
The system is combination of ventilation and fogging. Eurojet systems operate by the physical principle of evaporative cooling, creating a thin fog.

Double filtered 1 - 5 micron water is pressurized at 70 bar and distributed along pressure pipes, then sprayed through special patented high pressure nozzles as an extra thin mist.

Billions of smaller than 10 micron droplets will refresh the atmosphere.

This fog in ambient hot air will dry off, lowering heat, reducing temperature of even 10 - 15 °C of ambient temperature.

Radial misting fan  
up to 8 x 10/24" nozzles  
230V or 110V - 50 or 60Hz



### TECHNICAL FEATURES

- Fan: Radial 360
- Voltage: 230V
- Current: 50/60 Hz
- Flow rate: 530 m3/h
- Speed: 1410 RPM
- Power: 55 Watt
- Dimensions: 560 mm x 180 mm (MEC600061)
- Dimensions: 700 mm x 2450 mm (MEC600062)
- Nozzle qty.: 8
- Area coverage: 35 m2
- Material: Aluminum, S.Steel, other

Aluminium epossidyc  
painted column

### USES

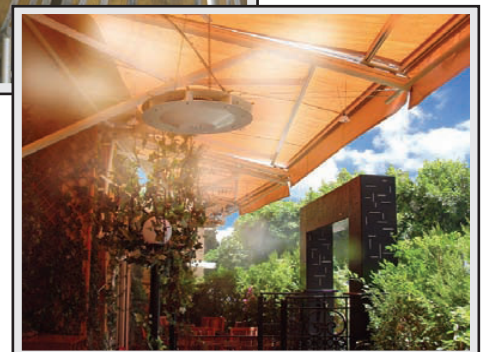
Amusement parks, playgrounds, coffeeshops, bars, open air restaurants, hotels, recreation parks, shopping centers, sport resorts, golf clubs, zoos, pools, concerts discoteques, parties, ceremonies...

Humidification system for wine cellars, textile industry, food industry and many other applications.

Eurojet can be installed on a column  
or hanging up to the ceiling

Code	Description
MEC600061	EUROJET ceiling misting fan
MEC600062	EUROJET mist fan with 245 cm. (96.4 in) pedestal

Nozzles are not included



## TOTEM and ARCH

A revolutionary cooling system for large outdoor areas.

Totem and Arch have been developed and realized by technical experts and industrial designers to guarantee the best cooling of outdoor areas when hot ambient temperatures occurs. The system is a combination of ventilation and fogging. Totem systems operate by the physical principle of evaporative cooling, creating a thin fog.

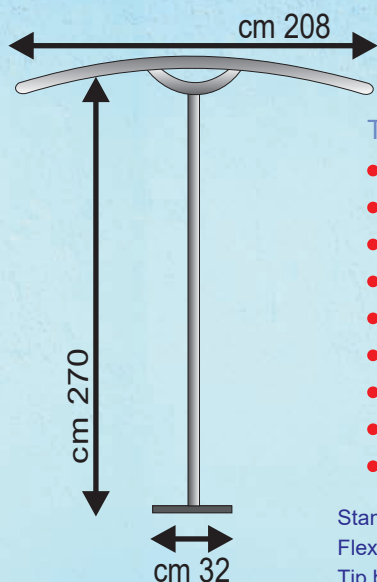
About 3 meters tall and 2 meters wide, they are made of stainless steel tubular tube with 60 mm diameter, self standing and very simple to install. Several models can be as single arch, half-arch, umbrella, column or double arc.

The stand base of our Totems can be designed to be visible or hidden in the ground and fixed by expansion screws to the floor.

Servicing and maintenance is made easier and safer by the innovative tip base which allows comfortable maintenance operations, without need of ladders nor laying positions.



Totem is a noiseless system, Italian design, efficient and elegant which matches with the most modern architecture designs.



The number of nozzles the flow rate size and shape of the several Totems can vary upon client's requirements.

### TOTEM TECHNICAL FEATURES

- Materials: 304 AISI Stainless Steel
- Stand's height: 270 cm
- Arc's width: 208 cm
- Ray: 104 cm
- Tube diam.: 60 mm
- Base: 20 x 32 cm
- Weight: 27 Kg
- Nozzle qty: 15
- Nozzle size: 0,3 mm

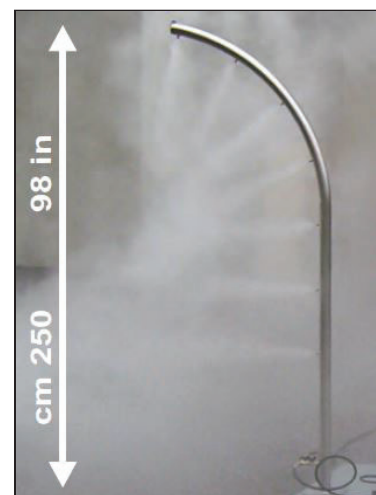
Standard accessories:

Flexible high pressure hose with stainless steel connectors  
Tip base for easy servicing on nozzles



### USES

Cooling of large outdoor areas: hotels, amusement parks, playgrounds, zoos, golf clubs, pools, cafes, bars, open air restaurants, recreation parks, shopping malls, sport resorts, concerts, discotheques, parties, ceremonies...  
Everywhere cool means more comfortable living.



Code	Description	
MEC800001	Stainless Steel TOTEM (nozzles are not included)	
MEC800002	Stainless Steel ARCH (nozzles are not included)	

A high pressure pump is required to perform a complete system installation



## Complete Misting Line Kits - NYLON Tubing ( pump required )



**NYLON TUBING KIT:** a complete set of accessories suitable to build a professional misting pipeline.  
A pump unit is required to install a full working system.

KIT includes:	Code	Description of materials	Kit 10 MEC500010	Kit 20 MEC500020	Kit 30 MEC500030	Kit 50 MEC500050	Kit 70 MEC500070
	MEC500005	Water filters complete with accessories	1	1	1	1	1
	MEC200008	Nozzle drain valve	1	1	1	1	1
	MEC400010	Tubing cutter	1	1	1	1	1
	MEC400001	3/8" nylon tubing in coil form 25 mt.	1	1	1	1	1
	MEC400002	80 cm length nylon straight tubing 3/8"	10	20	30	50	70
	MTC300001	Fitting for nozzle 10/24"	11	21	31	51	71
	MTC300005	3/8" L Fitting	1	2	3	5	7
	MTC300004	3/8" T Fitting	1	2	3	5	7
	MTC300013	3/8" End Fitting for 1 nozzle	1	2	3	5	7
	MEC130209	0.20mm Brass/Stainless Nozzle	10	20	30	50	70
	MEC400007	Clamp for 3/8" tubing	20	40	60	100	140
	MEC080007	Brass nozzle plug 10/24	1	2	3	5	7
	MEC403251	25 micron polyethylene filter	10	20	30	50	70

## Complete Misting Line Kits - S.Steel ( pump required )



**S.STEEL TUBING KIT:** a complete set of accessories suitable to build a professional misting pipeline.  
A high pressure pump unit is required to install a full working system.

KIT includes:	Code	Description of materials	Kit 10	Kit 20	Kit 30	Kit 50	Kit 70
			MTC501310	MTC501320	MTC501330	MTC501350	MTC501370
	MEC500005	Water filters complete with accessories	1	1	1	1	1
	MEC400010	Tubing cutter	1	1	1	1	1
	MEC400001	3/8" nylon tubing in coil form 25 mt.	1	1	1	1	1
	MTC300026	1/4" BSP-T male connector for 3/8" tube	1	1	1	1	1
	MTC614122	S.Steel Union - female connector (BSP 1/4"F x 10mm)	1	1	1	1	1
	MTC713200	S.Steel pipe 10x1mm : 200cm	5	10	15	25	35
	MTC614101	S.Steel 10mm Nozzle holder - 1 hole 10/24	10	20	30	50	70
	MTC614123	Union – pipe connector (10 x 10 mm)	5	10	15	25	35
	MTC614121	S.Steel Union Elbow (10 x 10 mm)	1	2	3	5	7
	MTC614120	S.Steel Tee fitting (10 x 10 x 10 mm)	1	2	3	5	7
	MTC614126	S.Steel end plug for 10mm fittings	1	2	3	5	7
	MEC130209	0.20mm Noxide/S.Steel anti-drip Nozzle	10	20	30	50	70
	MEC400007	Clamp for 3/8" tubing	20	40	60	100	140
	MEC060007	S.Steel nozzle plug 10/24	1	2	3	5	7
	MEC403251	25 micron polyethylene filter	10	20	30	50	70



## Complete 20" NON-OSC Misting Fan Kits ( pump required )



**PREMIUM FAN KIT:** a complete set of accessories suitable to build a professional system with misting fans. A pump unit is required to install a full working system.

KIT includes:	Code	Description of materials	Kit 2 MEC500202	Kit 4 MEC500204	Kit 6 MEC500206	Kit 8 MEC500208	Kit 10 MEC500210
	MEC500005	Water filters complete with accessories	1	1	1	1	1
	MEC200008	Nozzle drain valve	1	1	1	1	1
	MTC300001	Fitting for nozzle 10/24"	1	1	1	1	1
	MEC400010	Tubing cutter	1	1	1	1	1
	MEC400001	3/8" nylon tubing in coil form 25 mt.	1	2	3	4	5
	MEC600050	3 speed axial mist cooling fan - dia. 50cm - roof mounting non-oscillating - mounting accessories	2	4	6	8	10
	MEC600003	Misting ring 4 Holes	2	4	6	8	10
	MTC300004	3/8" T Fitting	2	4	6	8	10
	MTC300026	1/4" male connector for 3/8" tube	2	4	6	8	10
	MEC130209	0.20mm Brass/Stainless Nozzle	8	16	24	32	40
	MEC400007	Clamp for 3/8" tubing	20	40	60	80	100
	MEC080007	Brass nozzle plug 10/24	2	4	6	8	10
	MTC400009	On /Off slip lock Valve	2	4	6	8	10
	MEC403251	25 micron polyethylene filter	10	20	30	40	50

## Complete 20" OSC Misting Fan Kits ( pump required )



**OPTIMIUM FAN KIT:** a complete set of accessories suitable to build a professional system with oscillating misting fans. A pump unit is required to install a full working system.

KIT includes:	Code	Description of materials	Kit 2 MEC500302	Kit 4 MEC500304	Kit 6 MEC500306	Kit 8 MEC500308	Kit 10 MEC500300
	MEC500005	Water filters complete with accessories	1	1	1	1	1
	MEC200008	Nozzle drain valve	1	1	1	1	1
	MTC300001	Fitting for nozzle 10/24"	3	5	7	9	11
	MEC400010	Tubing cutter	1	1	1	1	1
	MEC400001	3/8" nylon tubing in coil form 25 mt.	1	2	3	4	5
	MEC400029	5mm nylon tubing in coil form 25 mt.	1	1	1	1	1
	TEC600041	3 speed axial mist cooling fan - dia. 50cm wall mounting 90' luffing - mounting accessories include	2	4	6	8	10
	MEC600003	Misting ring 4 Holes	2	4	6	8	10
	MEC300076	1/4" male connector for 5 mm tube	6	12	18	24	30
	MEC300077	10/24 M to 5 mm tube adapter	2	4	6	8	10
	MTC300013	3/8 end fitting with 10/24 hole	2	4	6	8	10
	MEC130209	0.20mm Brass/Stainless Nozzle	8	16	24	32	40
	MEC400007	Clamp for 3/8" tubing	20	40	60	80	100
	MEC400028	Clamp for 5mm tubing	4	8	12	16	20
	MEC080007	Brass nozzle plug 10/24	2	4	6	8	10
	MEC400011	On /Off FF 1/4" ball valve	2	4	6	8	10
	MEC403251	25 micron polyethylene filter	10	20	30	40	50



## Complete 24" OSC Misting Fan Kits ( pump required )



**PROFESSIONAL FAN KIT:** a complete set of accessories suitable to build a professional system with misting fans. A pump unit is required to install a full working system.

KIT includes:	Code	Description of materials	Kit 2 MEC500102	Kit 4 MEC500104	Kit 6 MEC500106	Kit 8 MEC500108	Kit 10 MEC500110
	MEC500005	Water filters complete with accessories	1	1	1	1	1
	MEC200008	Nozzle drain valve	1	1	1	1	1
	MTC300001	Fitting for nozzle 10/24"	1	1	1	1	1
	MEC400010	Tubing cutter	1	1	1	1	1
	MEC400001	3/8" nylon tubing in coil form 25 mt.	1	2	3	4	5
	MEC600001	3 speed axial misting fan - dia. 60 cm wall mounting bracket included with 90' luffing Air speed 507	2	4	6	8	10
	MEC600004	Misting ring 5 Holes	2	4	6	8	10
	MTC300004	3/8" T Fitting	2	4	6	8	10
	MTC300026	1/4" male connector for 3/8" tube	2	4	6	8	10
	MEC130209	0.20mm Brass/Stainless Nozzle	10	20	30	40	50
	MEC400007	Clamp for 3/8" tubing	20	40	60	80	100
	MEC080007	Brass nozzle plug 10/24	2	4	6	8	10
	MTC400009	On/Off slip lock Valve	2	4	6	8	10
	MEC403251	25 micron polyethylene filter	10	20	30	40	50

## Kit Mosquito Line 50 - 200 m ( pump required )

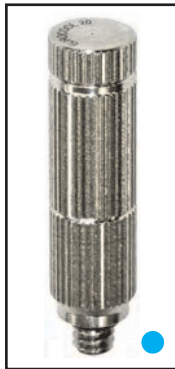


**NYLON TUBING KIT:** a complete set of accessories suitable to build a professional mosquito defense misting pipeline. «mosKITo» high pressure pump unit is required to install a full working

KIT includes	Code	Description of materials	Kit 50 MEC500102	Kit 100 MEC500106	Kit 150 MEC500108	Kit 200 MEC500110
	MEC508006	10x8 mm flexible hose - length: 150 cm	1	1	1	1
	MEC508002	Push-in brass connection 1/2" m - 10 mm	1	1	1	1
	MEC400010	Tubing cutter - max. size 1/2"	1	1	1	1
	MTC404001	1/4" nylon tubing in coil form 25 mt.	2	4	6	8
	MTC304001	1/4" Fitting for nozzle	12	24	36	48
	MTC304005	3/8" L Fitting	6	6	6	6
	MTC304004	1/4" T Fitting	1	1	1	1
	MTC304013	1/4" End Fitting for 1 nozzle	2	2	2	2
	MTC304003	1/4" tube coupling	2	2	2	2
	MEC040302	0.30mm Noxide/S. Steel mosKITo Nozzle	12	24	36	48
	MTC404007	Clamp for 1/4" tubing	20	40	60	80
	MEC41030C	Flexible copper nozzle extender 30cm (11,81 in)	12	24	36	48



## Cleanable Nozzles & Accessories



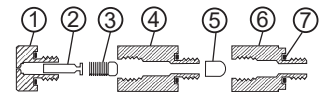
### TCN 10/24" type Noxide/S.Steel Nozzle

With Stainless Steel head and impeller plate, which is able to be taken apart for cleaning With anti-drip check valve and 25 micron filter

### noxide

Oxidation-Acids  
Resistive coating

Code	Orifice	Orifice	Anti-drip type	
MEC130159	0.15mm	.006"	NBR	55
MEC130209	0.20mm	.008"	NBR	55
MEC130309	0.30mm	.012"	NBR	55
MEC130409	0.40mm	.015"	NBR	55
MEC130509	0.50mm	.020"	NBR	55



TCN with FILTER



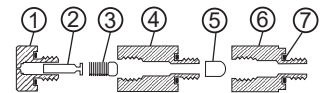
### TCN 10/24" type Stainless Nozzle

With Stainless Steel head and impeller plate, which is able to be taken apart for cleaning With anti-drip check valve and 25 micron filter

### inox

Oxidation-resistive  
s.steel

Code	Orifice	Orifice	Anti-drip type	
MEC140159	0.15mm	.006"	Viton	55
MEC140209	0.20mm	.008"	Viton	55
MEC140309	0.30mm	.012"	Viton	55
MEC140409	0.40mm	.015"	Viton	55
MEC140509	0.50mm	.020"	Viton	55



TCN with FILTER



### TCN 12/24" type Stainless Steel Nozzle ONLY

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

### inox

Oxidation-resistive  
s.steel

Code	Orifice	Orifice	Anti-drip type
MEC240151	0.15mm	.006"	---
MEC240201	0.20mm	.008"	---
MEC240301	0.30mm	.012"	---
MEC240401	0.40mm	.015"	---
MEC240501	0.50mm	.020"	---



### TCN Spare Parts

Code	
MEC200007	Spring with Rubber
MEC200010	O-Ring 10/24" NBR
MEC200012	O-Ring 12/24" NBR

1-Head 2-Anti-drip piston 3-Anti-drip spring 4-Body 5-Filter 6-Body 7-O-ring

## Cleanable Nozzles & Accessories

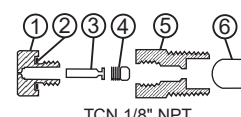


TCN 1/8" NPT type Noxide/S.Steel Nozzle

With stainless impeller plate, which is able to be taken apart for cleaning  
With anti-drip check valve and 60 micron filter

Code	Orifice	Orifice	Anti-drip type	
MEC730154	0.15mm	.006"	NBR	55
MEC730204	0.20mm	.008"	NBR	55
MEC730304	0.30mm	.012"	NBR	55
MEC730404	0.40mm	.015"	NBR	55
MEC730504	0.50mm	.020"	NBR	55

**noxide**  
Oxidation-Acids  
Resistive coating



TCN 1/8" NPT

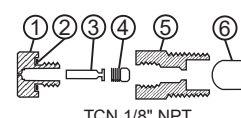


TCN 1/8" NPT type S.Steel Nozzle

With stainless impeller plate, which is able to be taken apart for cleaning  
With anti-drip check valve and 60 micron filter

Code	Orifice	Orifice	Anti-drip type	
MEC740154	0.15mm	.006"	Viton	55
MEC740204	0.20mm	.008"	Viton	55
MEC740304	0.30mm	.012"	Viton	55
MEC740404	0.40mm	.015"	Viton	55
MEC740504	0.50mm	.020"	Viton	55

**inox  
s steel**  
Oxidation-resistive



TCN 1/8" NPT



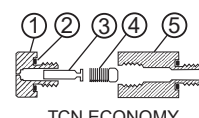
TCN 10/24" type Noxide/S.Steel Nozzle

With Stainless Steel impeller plate, which is able to be taken apart for cleaning - Anti-drip check valve

Without filter - ECONOMY SERIES

Code	Orifice	Orifice	Anti-drip type	
MEC030152	0.15mm	.006"	NBR	55
MEC030202	0.20mm	.008"	NBR	55
MEC030302	0.30mm	.012"	NBR	55
MEC030402	0.40mm	.015"	NBR	55
MEC030502	0.50mm	.020"	NBR	55
MEC030802	0.80mm	.030"	NBR	55
MEC031002	1.00mm	.040"	NBR	55

**noxide**  
Oxidation-Acids  
Resistive coating



TCN ECONOMY

MEC040302	MosKITo 0.30mm	.012"	NBR	30
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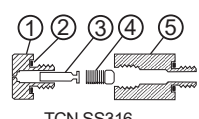


TCN 10/24" type SS316 Nozzle

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

Code	Orifice	Orifice	Anti-drip type	
MTC150109	0.10mm	.004"	Viton	55
MTC150159	0.15mm	.006"	Viton	55
MTC150209	0.20mm	.008"	Viton	55
MTC150309	0.30mm	.012"	Viton	55

**inox  
s steel**  
Oxidation-resistive



TCN SS316

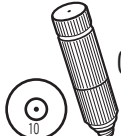
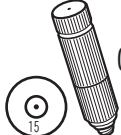
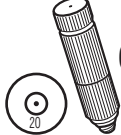
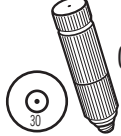
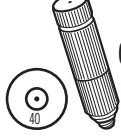
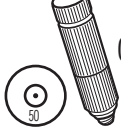
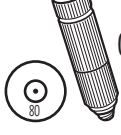
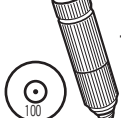
1-Head 2-O-ring 3-Anti-drip piston 4-Anti-drip spring 5-Body 6-Filter



## 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.

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

ORIFICE DIAMETER		BAR	3	4	7	10	15	25	35	45	70	84	100
		PSI	42	56	100	142	213	355	500	640	1000	1200	1420
 0,10	.004" / .10 mm	GPH	--	--	--	--	--	0.24	0.28	0.29	0.38	0.41	0.50
		LPH						1.08	1.26	1.32	1.74	1.86	2.28
		LPM						0.0180	0.0210	0.0220	0.0290	0.0310	0.0380
 0,15	.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
 0,20	.008" / .20 mm	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
 0,30	.012" / .30 mm	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
 0,40	.015" / .40 mm	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
 0,50	.020" / .50 mm	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
 0,80	.030" / .80 mm	GPH									4.43		
		LPH									16.80		
		LPM									0.2800		
 1,00	.040" / 1.00 mm	GPH									7.13		
		LPH									27.00		
		LPM									0.4500		

Nozzle Extensions & Accessories

noxide

Oxidation-Acids  
Resistive coating

Rigid Brass nozzle extenders  
Flexible Brass-Copper nozzle extenders

Code	MEC41010	MEC41010B	MEC41010C	MEC41015C	MEC41020C	MEC41030C
Item No.	CV1010-05cm	CV1010-10cm	FLEX-10cm	FLEX-15cm	FLEX-20cm	FLEX-30cm
Lenght	5cm	10cm	10cm	15cm	20cm	30cm

Female Thread: 10/24" / Male Thread: 10/24"



Code	Description
MEC410901	4 nozzles umbrella adapter 1x M10/24" - 4x F10/24"



Code	Description
MEC410902	3 nozzles umbrella adapter 1x M10/24" - 3x F10/24"



Code	Description
MEC410900	Adjustable angle coupling MF 10/24"



Code	Description
MEC080007	Ni-plated Brass Nozzle Plug 10/24unc/2A



Code	Description
MEC060007	S.Steel Nozzle Plug 10/24unc/2A



## Nozzle Accessories



Stainless steel nozzle extenders	
Code	Description
MEC651101	#SG-10SS – 12.7 * Stainless Spigot * Thread No.: 10/24unc/2B * For dia 1/2" (12.7mm) pipe

**s.steel**  
Oxidation-Acids  
Resistive metal



Code	Description
MEC651181	#SG-18SS – 12.7 – A type * Stainless Spigot * Thread No.: 1/8-27NPT Female * For dia 1/2" (12.7mm) pipe

**s.steel**  
Oxidation-Acids  
Resistive metal



Brass Nozzle Drain Valve	
Code	Description
MEC200008	* Brass Nozzle Drain Valve * Thread No.: 10/24unc/2A



Nozzle water filters			
Code	Description		
MEC403251	* 25 micron polyethylene filter	100pcs	10000pcs
MEC403252	* Dia.: .161 - .177 / 4.10 – 4.50	plasticbag	plasticbag
	* Length: .224 - .248 / 5.70 – 6.30		
	* For thread #12/24unc/2B		



Code	Description		
MEC403601	* 60 micron polyethylene filter	100pcs	10000pcs
MEC403602	* Dia.: .250 - .267 / 6.35 – 6.78	plasticbag	plasticbag
	* Length: .325 - .355 / 8.26 – 9.02		
	* For thread 1/8-27NPT Male		



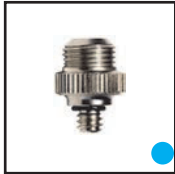
Other nozzle accessoris	
Code	Description
MEC200006	Nozzle handtool

## Special fittings for FOG EFFECTS



Noxide nozzle holder

Code	Description
MEC300022	* 5x Nozzle holder F 1/8" G * For no. 5 nozzles thread 10/24unc

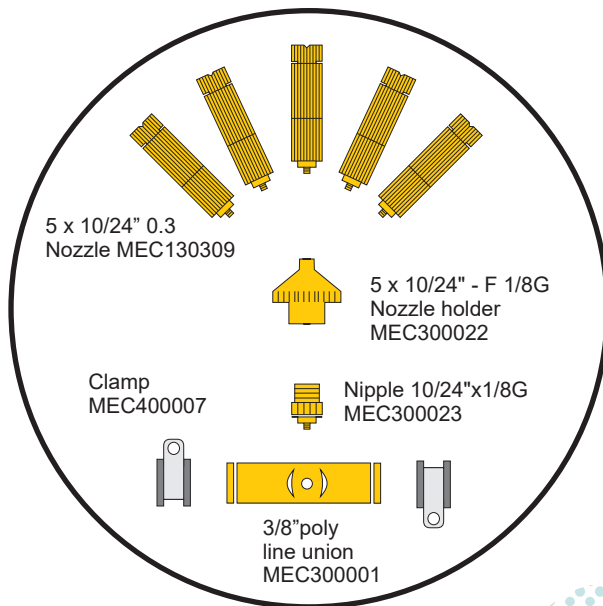


Noxide nipple M 1/8"G - M 10/24unc

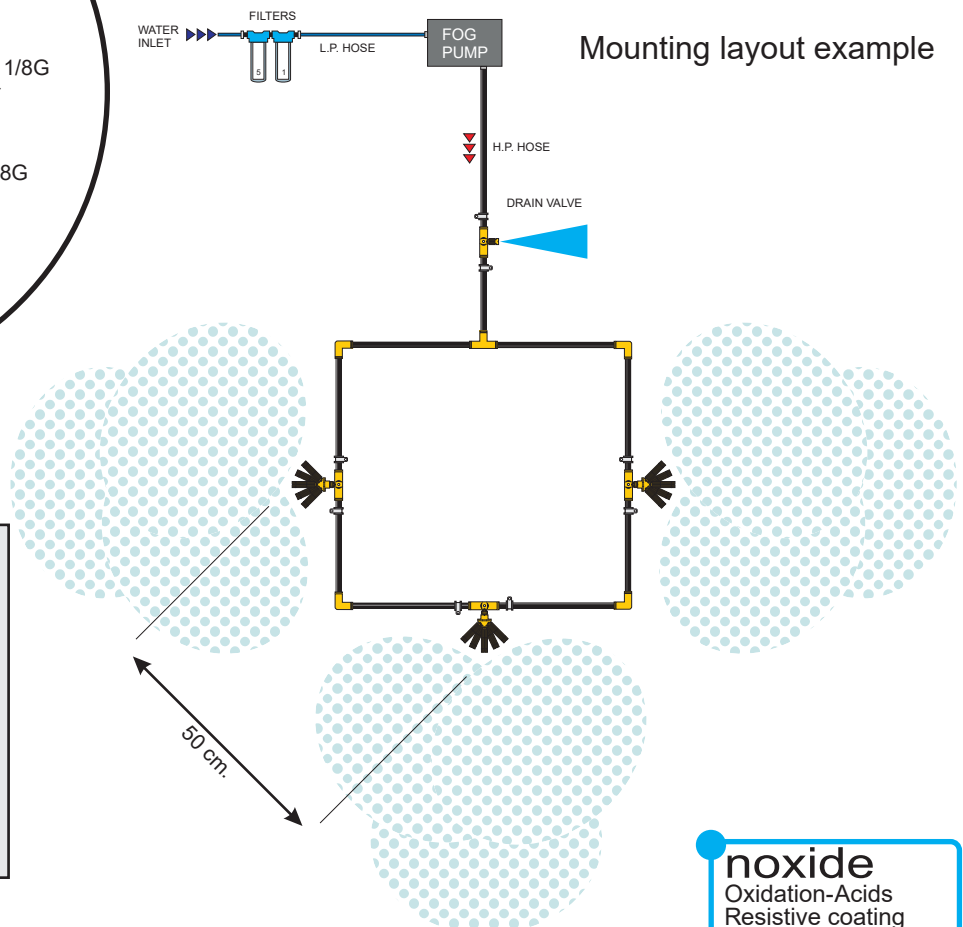
Code	Description
MEC300023	* Thread: M 1/8"G - M 10/24unc



MOST COMMON PARTS FOR FOG EFFECTS



Mounting layout example



**noxide**  
Oxidation-Acids  
Resistive coating

## Standard 5mm Push-In fittings and tubing for POLYAMMIDE line

	Code	Description
	MEC300071	5 mm fitting for one nozzle 10/24"
	MEC300072	5 mm tube coupling
	MEC300077	10/24" M to 5 mm tube adapter
	MEC300074	5 mm end fitting for one nozzle 10/24"
	MEC300075	1/4" BSP female connector for 5 mm tube
	MEC300076	1/4" BSP male connector for 5 mm tube
	MEC400025	5 mm nylon tubing in coil form 50 mt. PA-RIGID - WHITE
	MEC400026	5 mm nylon tubing in coil form 50 mt. PA-RIGID - BLACK
	MEC400028	S.Steel clamp for 5mm or 3/16" tubing Black rubber
	MEC400038	S.Steel clamp for 5mm or 3/16" tubing White rubber







The remarkable flexibility of 5 mm polyamide tubing combined with small size fittings allow to easily adapt misting systems to umbrellas, tents, curved shapes.

- 5 mm polyamide tubing
- Operating pressure: 70 bar (1000 psi)
- Burst pressure: 130 bar (1890 psi)
- Max. misting line lenght: 30 m (100 Ft)
- Max. flow rate: 4 l/min (1 Gpm)

**noxide**  
Oxidation-Acids  
Resistive coating



## Standard 1/4" Push-In fittings for POLYAMMIDE (Nylon) line

	Code	Description
	MTC304001	1/4" Fitting for nozzle 10/24"
	MTC304003	1/4" tube coupling
	MTC304013	1/4" End Fitting for 1 nozzle
	MTC304004	1/4" T Fitting
	MTC304005	1/4" L Fitting
	MTC304026	1/4" BSP-P male connector for 1/4" tube
	MTC304015	Union - 1/4" to 3/8" pipe connector
	MTC304009	1/4" end plug
	MTC304006	1/4" four way (X) cross fitting
	MTC404009	1/4" On/Off slip lock Valve - 1150 psi





















	Code	Description
	MTC404021	1/4" nylon tubing in coil form 25 mt. PA-12 - WHITE
	MTC404022	80 cm length nylon straight tubing 1/4" PA-12 - WHITE
	MTC404027	S.Steel clamp for 1/4" tubing WHITE
	MTC404001	1/4" nylon tubing in coil form 25 mt. PA-12 - BLACK
	MTC404002	80 cm length nylon straight tubing 1/4" PA-12 - BLACK
	MTC404007	S.Steel clamp for 1/4" tubing - BLACK
	MEC400010	High quality metallic tubing cutter

1000 psi series  
serie 70 bar

**noxide**  
Oxidation-Acids  
Resistive coating

- PA12 1/4" tubing = Ø 6.35 mm
- Operating pressure: 100 bar (1500 psi)
- Burst pressure: 250 bar (3600 psi)
- Max. misting line length (ring): 200 m - (650 Ft)
- Max. flow rate: 6 l/min (1.59 Gpm)

## Standard 3/8" Push-In fittings for POLYAMMIDE (Nylon) line




Code	Description	Code	Description
	MTC300001 3/8" Fitting for nozzle 10/24"		MEC400021 3/8" nylon coil pipe 25 m PA12-RIGID - WHITE
	MTC300002 3/8" Fitting for 2 nozzles 10/24" 120		MEC400022 80 cm in length nylon pipe 3/8" PA12-RIGID - WHITE
	MTC300012 3/8" Fitting for 2 nozzles 10/24" 180		MEC400027 S.Steel clamp for 3/8" tubing WHITE
	MTC300003 3/8" tube coupling		MEC400001 3/8" nylon coil pipe 25 mt. PA12-RIGID - BLACK
	MTC300013 3/8" End Fitting for 1 nozzle		MEC400004 3/8" nylon tubing in coil form 50 m PA12-RIGID - BLACK
	MTC300004 3/8" T Fitting		MEC400003 3/8" nylon tubing in coil form 100 m PA12-RIGID - BLACK
	MTC300005 3/8" L Fitting		MEC400002 80 cm in length nylon pipe 3/8" PA12-RIGID - BLACK
	MTC300026 1/4" BSP-T male connector for 3/8" tube		MEC400007 S.Steel clamp for 3/8" tubing - BLACK
	MTC300010 3/8" tube to nozzle adaptor		MEC400010 High quality metallic tubing cutter
	MTC300009 3/8" end plug		MTC400009 3/8" On/Off slip lock Valve - 1150 psi

**noxide**  
Oxidation-Acids  
Resistive coating

Patented - Brevettati  
Adaptive teeth - Pulsation compatible





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

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

	Code	Description
	MEC300006	3/8" four way (X) cross fitting
	MEC300008	3/8" 6 nozzles misting umbrella
	MEC300030	Tube connector 1 to 6 for 3/8" pipe



## Special Push-In fittings and tubing for POLYAMMIDE line

	Code	Description
	MEC300011	3/8" Male connector for 3/8" tube
	MEC300014	1/2" Tube coupling
	MEC300015	1/2"-3/8" adaptor
	MEC300016	1/2" T Fitting

	Code	Description
	MEC300017	1/2"-3/8"-1/2" T Fitting
	MEC300018	1/2" end plug
	MEC300021	1/2" male connector for 1/2" tube
	MEC400008	Clamp for 1/2" tubing
	MEC400006	1/2" nylon tubing in coil form 25 mt. PA-RIGID

**noxide**  
Oxidation-Acids  
Resistive coating

- 1/2" tubing = Ø 12,5 mm
- Operating pressure: 100 bar (1450 psi)
- Max allowed pressure: 130 bar (1890 psi)

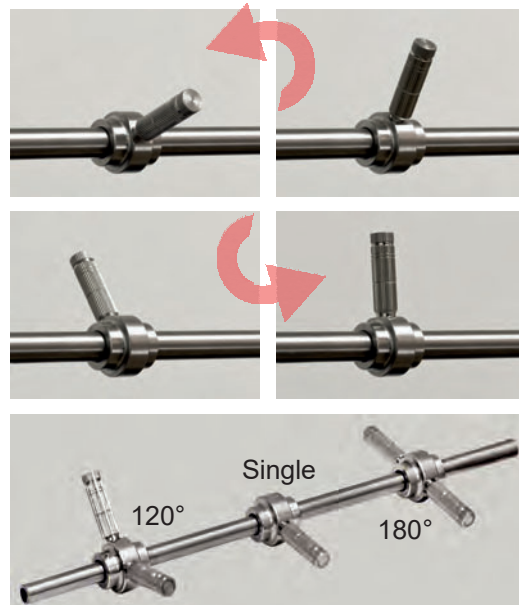




## 10 mm Stainless Steel Pipes and fittings

**inox**  
Oxidation-resisitive  
**s.steel**

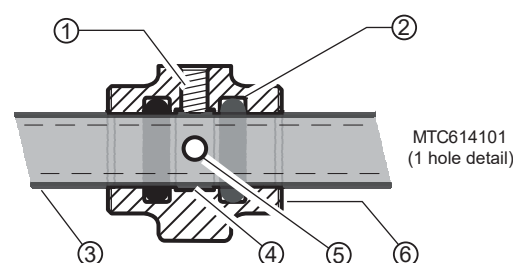
	Code	Description
	MTC614101	S.Steel 10mm Nozzle holder - 1 hole 10/24
	MTC614102	S.Steel 10mm Nozzle holder - 2 holes 10/24 180
	MTC614103	S.Steel 10mm Nozzle holder - 2 holes 10/24 120

Adjustable fittings



	MTC614120	S.Steel Tee fitting (10 x 10 x 10 mm)
	MTC614121	S.Steel Union Elbow (10 x 10 mm)
	MTC614122	S.Steel Union - female connector (BSP 1/4" F x 10mm)
	MTC614123	Union - pipe connector (10 x 10 mm)
	MTC614124	Union - pipe connector (12 x 10 mm)
	MTC614125	S.Steel 10mm four way (X) cross fitting

Nozzle holder detail



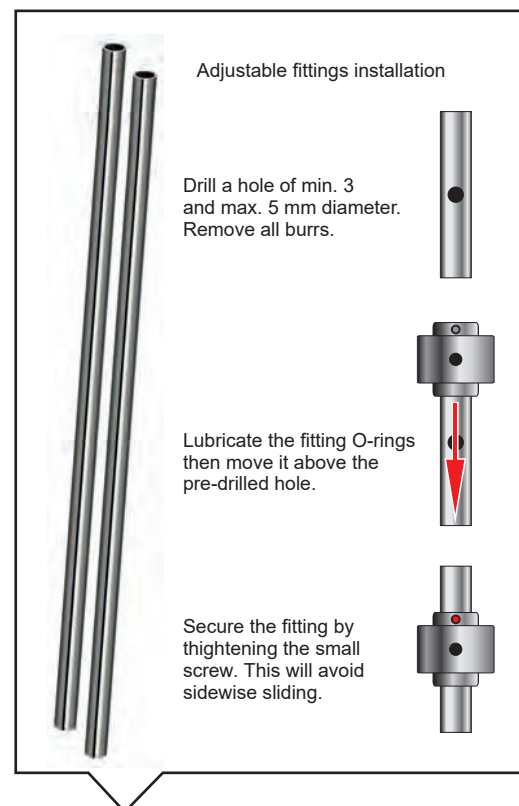
1-10/24" nozzle thread 2-FKM O-Ring 3-Pipe  
4-Hollow space 5-Pipe hole 6-Fitting body

- 10x1 mm tubing
- Operating pressure: 100 bar (1450 psi)
- Max allowed pressure: 130 bar (1890 psi)
- Standard tightening torque for threads and ferrules: 85 Nm

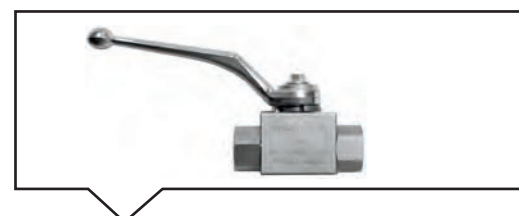
## 10 mm Stainless Steel Pipes and fittings

**inox**  
Oxidation-resistive  
**s.steel**

Code	Description
	MTC614127 S.Steel Union - male connector (BSP 1/4" x 10mm)
	MTC614130 S.Steel Union - male connector (BSP 1/8" x 10mm)
	MTC614126 S.Steel end plug for 10mm fittings
	MTC614131 S.Steel end plug with 10/24" hole for 10mm fittings
	MTC614129 Viton O-Rings for 10mm SS nozzle fitting 50 pcs. bag
	MTC614132 S.Steel 3mm screw for 10mm SS nozzle fitting 50 pcs. bag
	MTC614133 FKM gasket for 10mm SS fittings



Code	Description
MTC713100	S.Steel pipe 10x1mm : 100cm
MTC713200	S.Steel pipe 10x1mm : 200cm
MTC713300	S.Steel pipe 10x1mm : 300cm



Code	Description
MEC400013	Ball valve FF 1/4 BSP - S.Steel

- 10x1 mm tubing
- Operating pressure: 100 bar (1450 psi)
- Max allowed pressure: 130 bar (1890 psi)
- Standard tightening torque for threads and ferrules: 85 Nm



## 12 mm Stainless Steel Pipes and fittings

**inox**  
Oxidation-resisistive  
**s.steel**

Code	Description
------	-------------



MTC614201  
S.Steel 12mm Nozzle holder - 1 hole 10/24



MTC614202  
S.Steel 12mm Nozzle holder - 2 holes 10/24 180°



MTC614220  
S.Steel Tee fitting (12 x 12 x 12 mm)



MTC614221  
S.Steel Union Elbow (12 x 12 mm)



MTC614222  
S.Steel Union - female connector (BSP 3/8\"F x 12mm)



MTC614223  
Union – pipe connector (12 x 12 mm)



MTC614224  
Union – pipe connector (15 x 12 mm)



MTC614225  
S.Steel 12mm four way (X) cross fitting

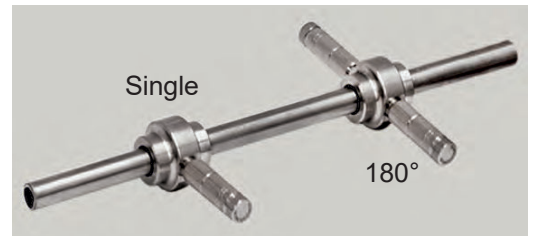
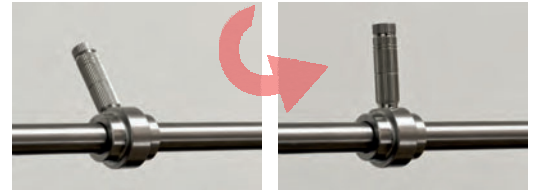
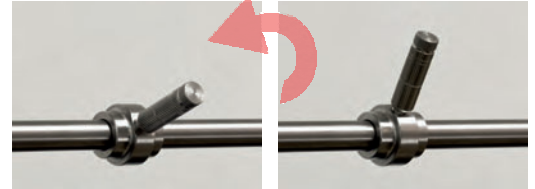


MTC614232  
S.Steel union - male connector (BSP 1/2\"M x 12 mm)

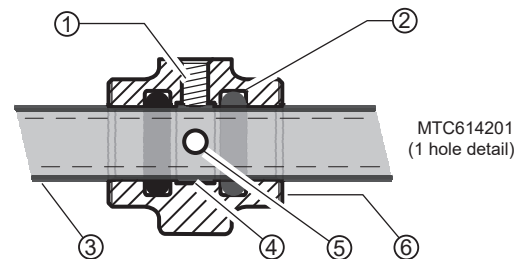


MTC614226  
S.Steel end plug for 12mm fittings

Adjustable fittings



Nozzle holder detail



1-10/24\" nozzle thread 2-FKM O-Ring 3-Pipe  
4-Hollow space 5-Pipe hole 6-Fitting body

- 12 mm Pipe fittings DIN2353
- Thread BSP (ISO 228)
- Operating temperature: -35+100 C (-31+212 F) °
- Max allowed pressure: 130 bar (1890 psi)
- Standard tightening torque for threads and ferrules: 120 Nm



## 12 mm Stainless Steel Pipes and fittings

**inox**  
Oxidation-resistive  
**s.steel**



Code	Description
MTC614229	Viton O-Rings for 12mm SS nozzle fitting - 50 pcs. ba



MTC614231	FKM gasket for 12mm SS fittings
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FKM GASKETS - An effective, cheap and simple solution to prevent leaks in pipe fittings

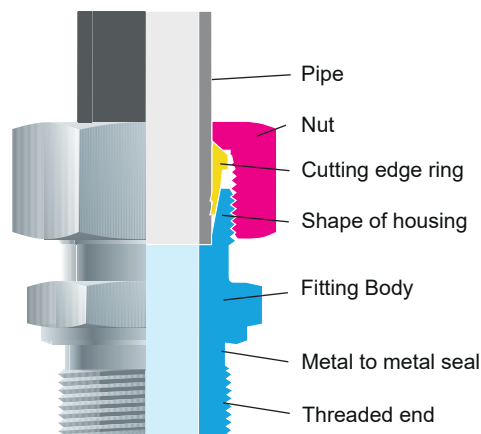


### Technical data / Dati tecnici

Material	Temperature
Green FKM 70/80 sh	- 35 °C
FKM Verde 70/80 sh	+ 100 °C

- Good leakage prevention
- Long lifespan
- Easy assembly, inspection
- Antivibration and unscrewing protection
- Excellent resistance to high temperatures and aggressive fluids

### Coupling system DIN 2353

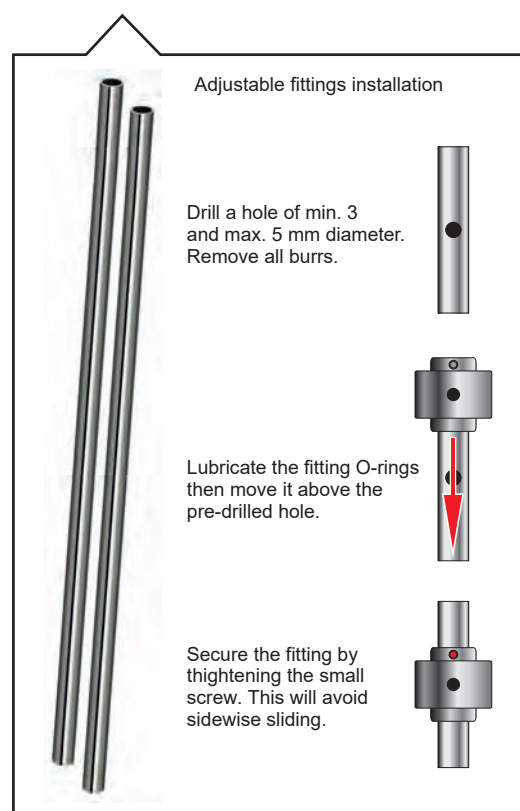


Our fitting, manufactured according to ISO 8434-1/DIN 2353, is a mechanical fitting with a cutting edge cone-ring for stapling on the tube. It helps fast assembly of removable tubes, avoids welding, tapping and flaring.

Code	Description
MTC714100	S.Steel pipe 12x1mm : 100cm

MTC714200	S.Steel pipe 12x1mm : 200cm
-----------	-----------------------------

- 12x1 mm tubing
- Operating pressure: 100 bar (1450 psi)
- Max allowed pressure: 130 bar (1890 psi)



## Misting Fan Rings 1/4" F



Misting ring 4 Holes d.32 cm

Code	Description
MEC600003	Aisi 316 s.steel misting ring 4 holes thread 10/24" dia. 32 cm. suitable for 45cm fans F 1/4" hose connection



Misting ring 5 Holes d.40 cm

Code	Description
MEC600004	Aisi 316 s.steel misting ring 5 holes thread 10/24" dia. 40 cm. suitable for 60cm fans F 1/4" hose connection



Misting ring 8 Holes d.47 cm

Code	Description
MEC600005	Aisi 316 s.steel misting ring 8 holes thread 10/24" dia. 47 cm - suitable 60-100 cm. fans F 1/4" hose connection



Misting ring 8 Holes d.80 cm

Code	Description
MEC600006	Aisi 316 s.steel misting ring 8 holes thread 10/24" dia. 80 cm - suitable FOR 100-140 cm. fans F 1/4" hose connect



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.

## Standard Filter Kit and Accessories



1x 5"x1/2 Filter ECONOMY KIT - 5 micron  
IN 3/4F - OUT 10mm

Code  
MEC500006

**Economy**  
5" - 5 micron



2x 9"x1/2 Filters KIT with pressure gauge  
5+1 micron - IN 3/4F - OUT 10mm

Code  
MEC500005

**Standard**  
9" - 1+5 micron



2x 20"x3/4 Filters KIT with pressure gauge  
5+1 micron - IN 3/4F - OUT 3/4F

Code  
MTC520020 up to 21 lpm

MTC520021 up to 43 lpm

**Professional**  
20" - 1+5 micron

- All low pressure filters are equipped with FDA approved PP cartridges
- Min/Max operating temperature: 0°C / 60°C



MEC400035

Low pressure flexible Hose 21 bar  
R6 3/4" FF S.Steel 316 1.5 m



MTC520019

9"-20" Filter  
container Locking Tool



**High Pressure**  
10 micron

MEC500009

High pressure Aluminum filter  
1/4"FF - 10 micron - Cleanable



## Spare Parts and Accessories for Filter Kit



20"

MEC509101  
20" Filter cartridge 1 micron

MEC509105  
20" Filter cartridge 5 micron

MEC509110  
20" Filter cartridge 10 micron

9"3/4

MEC509001  
9" Filter cartridge 1 micron

MEC509005  
9" Filter cartridge 5 micron

MEC509010  
9" Filter cartridge 10 micron

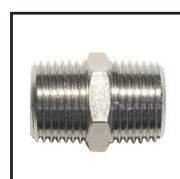
5"

MEC509006  
5" Filter cartridge 5 micron

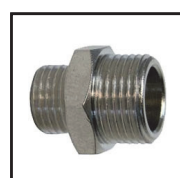
Cod. Description



MEC508002  
Push-in brass connection  
1/2"Mx10mm



MEC508001  
1/2"MM brass coupling



MEC508007  
1/2" M 3/4" M brass coupling



MEC508008  
Inlet water hose 3/4" FF 200 cm.



MEC508006  
10x8 plastic hose 150 cm



MEC508009  
Anti-calc device 1/2" MF



Cod. Description

MEC909091  
Double filter wall-bracket

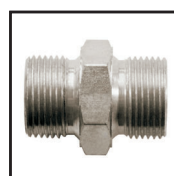
MEC909092  
Single filter wall-bracket



MEC509091  
5" Cartridge Container

MEC509090  
Cartridge Container 9"3/4

MEC509093  
20" Cartridge Container



MTC508013  
3/4" MM brass coupling



MEC508010  
Pressure gauge 0-12 BAR



MEC508011  
1/8" MF brass coupling

## Antibacterial Filter Kit and Accessories

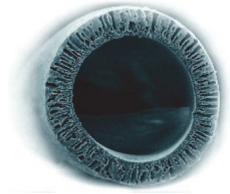


**MEC509002**  
Antibacterial filter  
0.005 micron 1/2" MM

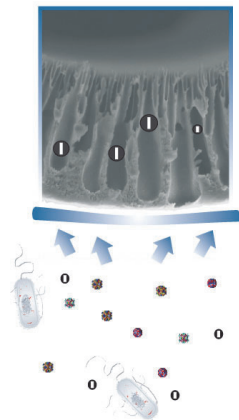
### ANTIBACTERIAL 0.005 MICRON FILTER CARTRIDGE

This ultrafilter ensure a complete protection against bacteria, virus and endotoxins in the water, avoiding the contraction of diseases like Legionella and Salmonella. Thanks to the hollow fiber ultrafiltration membrane developed for medical applications, it prevents all substances with a molecular weight higher than 15K daltons crossing over the membrane. Bacteria, viruses and endotoxins cannot pass the membrane barrier due to two mechanisms: one based on the sieving of the pores thanks to the sponge-like configuration and one on the adsorption capability of the membrane itself.  
Note: 1 microns prefiltration is mandatory.

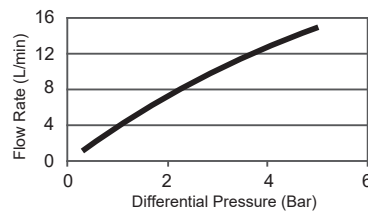
Hollow fiber structure



Hollow fiber section



**MEC508012**  
Brass adapter 1/2" FF



**Antibacterial Filter KIT**  
9" - 0.005+1+5 micron

2x 9"x1/2 ANTIBACTERIAL Filters KIT with accessories and pressure gauge 5+1+0.005 micron cartridges IN 3/4F OUT 10mm

Code  
**MEC500008**

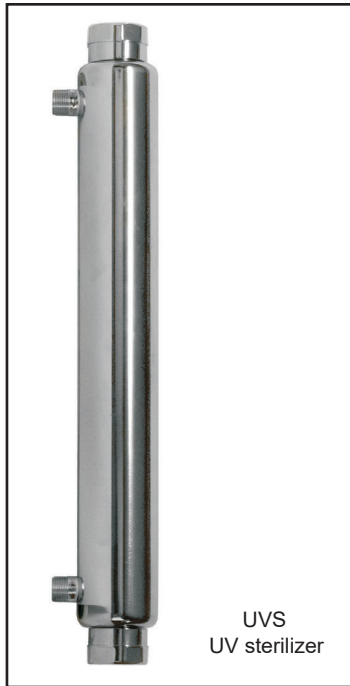
### 100% LEGIONELLA-PROOF

- Whole protection against bacteriae, virus, endotoxins in the water
- Clinically tested by Hygiene Department of Italian University
- Guarantees long-lasting protection also with high flows
- Easy set-up
- Total protection: filtration 0.005 micron

Bacteri/Bacteria (P.Diminuta)	10 Log
Virus (PhiX-174)	8 Log
Endotossine/Endotoxins (EU/ml)	5 Log

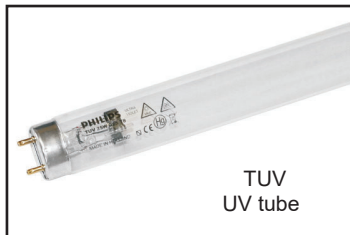
Retention capacity

## UV Sterilizers



### UV Stainless Steel sterilizers

Code	Description
MTC509101	UVS-6L UV sterilizer 6 l/min 16W S.Steel 1/4 MM - 230V - d. 64 x 340 mm
MTC509102	UVS-19L UV sterilizer 19 l/min 25W S.Steel 1/2 MM - 230V - d. 64 x 520 mm
MTC509103	UVS-25L UV sterilizer 25 l/min 30W S.Steel 3/4 MM - 230V - d. 64 x 970 mm
MTC509104	UVS-38L UV sterilizer 38 l/min 55W S.Steel 3/4 MM - 230V - d. 64 x 970 mm



### Germicidal Tube TUV (or equivalent) for UVS sterilizers

Code	Description
MTC509151	TUV-16W Germicidal Tube TUV 15/16W or equivalent
MTC509152	TUV-25W Germicidal Tube TUV 25W or equivalent
MTC509153	TUV-30W Germicidal Tube TUV 30W or equivalent
MTC509154	TUV-55W Germicidal Tube TUV 55W or equivalent

### TECHNICAL FEATURES

EN- Impianti di sterilizzazione a raggi ultravioletti della serie UVS costruiti con corpo in acciaio inox dotati di sistema di allarme visivo esaurimento/malfunzionamento lampada.

TUV lamps are UVC (germicidal) lamps used in professional water disinfection units. TUV lamps offer constant UV output over their complete lifetime, for maximum security of disinfection and high system efficacy. Moreover, they have a long and reliable lifetime, which allows maintenance to be planned for in advance.

- max. operating pressure: 6 bar - 87 psi
- TUV lamps lifetime: 8000 h
- ultraviolet radiation: 30.000 W/cm<sup>2</sup>



## Pump and Fan Controls



Humidity regulator - Schuko Female socket with el. cable 2 m. lenght  
Professional transducer

Code		Working Range	V-Hz	A
MTC100001	#IT-PRO-M	from 5 to 95 % r.H.	230-50	8

EN- IT-PRO series humidity regulators are designed to control misting pumps and other equipment (single-phase or three-phase, max. 8 A). It is possible to adjust the desired humidity level by means of a digital display. The step of adjustment is 0,1 or 1%RH. Regulator is available in wall-mount plastic box. Regulator contains a microprocessor based control circuitry and an external humidity sensor in a protection cover. Computerized design ensures maximum long term stability and temperature compensation of the humidity sensor. State-of-the-art digital sensor ensures excellent calibration, long term stability, inertia against water and condensation.



Humidity regulator - 3PH female socket + Electric cable 2 m. lenght  
Professional transducer

Code		Working Range	V-Hz	A
MTC100008	#IT-PRO-T	from 5 to 95 % r.H.	400-50	8



Thermostat - Schuko Female socket with el. cable 2 m. lenght  
PT100 professional transducer

Code		Working Range	V-Hz	A
MTC100002	#TT-PRO-M	-50+200 °C / -58+392 °F	230-50	8

EN- TT-PRO series thermostats are designed to control misting pumps and other equipment (single-phase or three-phase, max. 8 A). It is possible to adjust the desired temperature level by means of a digital display. The step of adjustment is 0,1 or 1% °C or °F. Regulator is available in wall-mount plastic box. Regulator contains a microprocessor based control circuitry and an external temperature probe. Computerized design and state-of-the-art high quality probe ensure excellent calibration and long term stability.



Thermostat - 3PH female socket + Electric cable 2 m. lenght  
PT 100 professional transducer

Code		Working Range	V-Hz	A
MTC100009	#TT-PRO-T	-50+200 °C / -58+392 °F	400-50	8

## Pump and Fan Controls



ITTS-PRO-X

Pump and ventilation control board - 230V / 400V

Daily and weekly timer with built-in digital Hygrostat and Thermostat

EC100031 humidity transducer and

EC100032 temperature transducer are sold separately

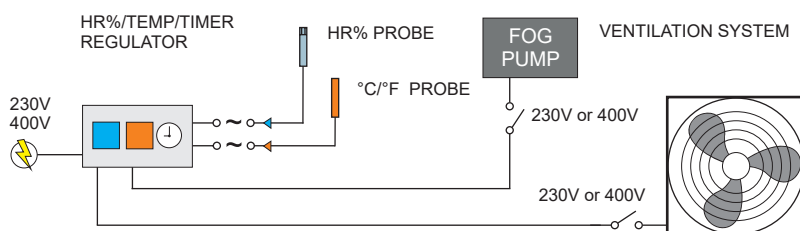
Code	Working Range	V-Hz	A
MEC100021	from 5 to 95 % r.H. from -50 to 200 C	230-50 400-50	8

ITTS-PRO series controllers integrate pump and fans controllers plus daily and weekly timer with humidity and temperature regulators. ITTS-PRO controllers are designed to control high pressure pumps (single-phase or three-phase, max. 13 A). A secondary output can control ventilation system (single-phase or three-phase, max. 13 A). The daily timer is able to switch on/off pump+fans at a chosen hour of the day, while the weekly timer let you choose in which days the daily timer must be activated. The controller accepts input signals from humidity and temperature transducers. It is possible to adjust the desired humidity level or temperature by means of a digital display. The step of adjustment is 0,1 or 1%RH and °C/°F. Transducers are sold separately.

### TECNICAL FEATURES

- Hygrostat with two setpoints, adjustable range
- Thermostat with two setpoints, adjustable range
- Daily timer (9 programs)
- Weekly timer
- Two independent outputs (pump/fans)
- Two independent signal inputs (temperature/humidity)
- Power supply and outputs can be wired 230V or 400V

### Mounting layout example



APP Wi-Fi per versioni Modbus

### Applications

Greenhouses  
Livestock  
Wineries  
Food industry  
Industrial humidification



T-PROBE1

Professional Temperature probe PT-100

Code	Working Range
MTC100032	from 5 to 95 % r.H.
Wires	3



HR-PROBE2

Professional Humidity probe UR 20mA

Code	Working Range
MTC100033	from 5 to 95 % r.H.
Signal	20 mA
Wires	2

## Pump and Fan Controls



T2.EXT-230

External digital timer 230V 50Hz Schuko plug+pin with 2.3 m el. cable.  
Independent ON/OFF cycles programming from 1 second up to 99 minutes.  
Daily and weekly programming, with week-end option (max 9 programs).

Code	Item No.	Working Range	V-HZ	A	kW
MTC100003	#T2.EXT-230	1 sec. - 99 min.	230-50	12	2.2
MTC100003Y	#T2.EXT-120	1 sec. - 99 min.	120-60	13	



T2.EXT-400

External digital timer 400V 50Hz 3PH socket with 2.3 m el. cable.  
Independent ON/OFF cycles programming from 1 second up to 99 minutes.  
Daily and weekly programming, with week-end option (max 9 programs).

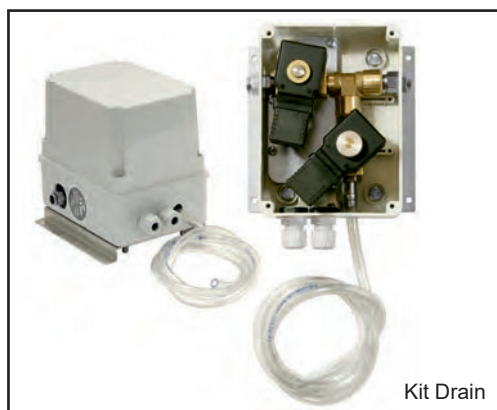
Code	Item No.	Working Range	V-HZ	A	kW
MTC100004	#T2.EXT-400	1 sec. - 99 min.	400-50	13	5.7
MTC100005	#T2.EXT-410	1 sec. - 99 min.	400-50	17	7.5



T.EXT

External digital timer 230V 50Hz Schuko plug+pin with 2.3 m el. cable.  
Independent ON/OFF cycles programming from 1 up to 99 minutes.

Code	Item No.	Working Range	V-HZ	A	kW
MEC100003	#T.EXT	1 - 99 min.	230-50	12	2.2



Kit Drain

Automatic drain solenoid valves KIT (NO+NC) Inlet-Outlet 3/8"(9.52mm) push-lock fitting.  
It allows to automatically drain a pipeline by means of an humidity controller or a remote switch.

Code	Item No.		V-HZ	A	Flow (LPM)
MEC309031	#KIT.DRAIN1	80NC+60NO	230-50/60	0.2	4
MEC309031Y	#KIT.DRAIN2	80NC+60NO	115-60	0.2	4
MEC309031Z	#KIT.DRAIN3	80NC+60NO	24V AC	1.84	4
MEC309032	#KIT.DRAIN4	100NC+60NO	230-50/60	0.2	21
MEC309032Y	#KIT.DRAIN5	100NC+60NO	115-60	0.2	21
MEEC309032Z	#KIT.DRAIN6	100NC+60NO	24V AC	1.84	21



## Dosing Pumps & Accessories



Pro

PRO - Electronic metering pump with threaded pulse water meter. PRO series metering pumps accept dry contact inputs and dose proportionally to the input pulse frequency or with timer programming. 230V 50-60Hz

V-Hz	Stroke/min	Connections in/out
100-240 50/60	160	4/6 (mm)
Back pressure	Flow rate l/h	Cm3/Stroke
10	5	0,52
8	6	0,63
2	8	0,83

Code

MEC100004



Premium

PREMIUM - A simple yet reliable micro-processor based solenoid dosing pump. Flow rate manual adjustment from 0 (operation stop) to 100% of max. flow rate (cm3/Stroke). IP65.

V-Hz	Stroke/min	Connections in/out
100-240 50/60	100 (7bar) - 160 (5bar)	4/6 (mm)
Code	Back pressure - Flow rate	
MEC100005	7 bar	2 l/h
MEC100010	5 bar	5 l/h



Sanitizing

PREMIUM SANITIZING KIT - A simple yet reliable micro-processor based solenoid dosing pump. Flow rate manual adjustment from 0 (operation stop) to 100% of max. flow rate (cm3/Stroke). IP65. Complete with Timer programmed for sanitizing cycle.

V-Hz	Stroke/min	Connections in/out
100-240 50/60	100	4/6 (mm)
Code	Back pressure - Flow rate	
MTC100011	5 bar	5 l/h



Easy

EASY - A simple yet reliable peristaltic dosing pump. Fixed flow rate adjustable by the included programmable digital timer. IP65.

V-Hz	Stroke/min	Connections in/out
230 50/60	Timer	2
Pressure	Flow rate l/h	Cm3/Stroke
3	1,5	Continuous
Code		
MEC100006		

## Pump and Fan Controls



Professional Temperature probe PT-100 - IP44

Code	Item No.	Working Range	Wires
TC100032	#T-PROBE1	from -50 to 200 °C	3

IP44



Professional Humidity transmitter RH 4-20 mA - IP65

Code	Item No.	Working Range	Signal	Wires
TC100033	#RH-PROBE2	from 0 to 95 % r.H.	4-20 mA	2

IP65



Professional Humidity transmitter HT 4-20 mA - IP65 - COLD ROOMS

Code	Item No.	Working Range	Signal	Wires
TC100034	#HT-PROBE3	from 0 to 100 % r.H.	4-20 mA	2

IP65 PRO COLD ROOMS



Professional Humidity transmitter HT 4-20 mA - IP65 - HVAC/DUCTS

Code	Item No.	Working Range	Signal	Wires
TC100036	#HT-PROBE4	from 10 to 95 % r.H.	4-20 mA	2

IP65 PRO HVAC DUCT MOUNT

## SOLENOID VALVES

IP65

IP-65 (standard EN60529) when properly connetted with DIN-43650 plug.

**MEC309006**  
C4 Solenoid valve Plug




Solenoid coil plug  
C4 version

(60/80/100 bar)

Qty: 1

**MEC309015**  
60 bar/870 psi NO



NO solenoid valve

in F1/4" out F1/4"  
60 bar - 870 psi  
230V 50/60Hz

Qty: 1

**MEC309007**  
80 bar/1160 psi NC




NC solenoid valve

in F1/4" out F1/4"  
80 bar - 1160 psi  
230V 50/60Hz

Qty: 1

**MEC309005**  
100 bar/1500 psi NC



NC solenoid valve

in F3/8" out F3/8"  
100 bar - 1500 psi  
230V 50/60Hz

Qty: 1

**MEC309023**  
60 bar/870 psi NO



NO solenoid valve

in F1/4" out F1/4"  
60 bar - 870 psi  
24V AC

Qty: 1

**MEC309022**  
80 bar/1160 psi NC




NC solenoid valve

in F1/4" out F1/4"  
80 bar - 1160 psi  
24V AC

Qty: 1

**MEC309021**  
100 bar/1500 psi NC



NC solenoid valve

in F3/8" out F3/8"  
100 bar - 1500 psi  
24V AC

Qty: 1

**MTC309024**  
60 bar/870 psi NO



NO solenoid valve

in F1/4" out F1/4"  
60 bar - 870 psi  
110V 60Hz

Qty: 1

**MTC309025**  
80 bar/1160 psi NC




NC solenoid valve

in F1/4" out F1/4"  
80 bar - 1160 psi  
110V 60Hz

Qty: 1

**MTC309026**  
100 bar/1500 psi NC



NC solenoid valve

in F3/8" out F3/8"  
100 bar - 1500 psi  
110V 60Hz

Qty: 1

**MTC309028**  
60 bar/870 psi NO



NO solenoid valve

in F1/4" out F1/4"  
60 bar - 870 psi  
400V 50Hz

Qty: 1

**MTC309029**  
80 bar/1160 psi NC




NC solenoid valve

in F1/4" out F1/4"  
80 bar - 1160 psi  
400V 50Hz

Qty: 1

**MTC309030**  
100 bar/1500 psi NC



NC solenoid valve

in F3/8" out F3/8"  
100 bar - 1500 psi  
400V 50Hz

Qty: 1

**MTC309070**  
80 bar/1160 psi NC



NC solenoid valve

in F1/4" out F1/4"  
80 bar - 1160 psi  
24V DC  
S.Steel/INOX

Qty: 1

**MTC309071**  
9 bar/130 psi NC



NC solenoid valve

in F1/4" out F1/4"  
9 bar - 130 psi  
24V DC  
S.Steel/INOX

Qty: 1



## SOLENOID VALVES

**IP65**

IP-65 (standard EN60529) when properly connetted with DIN-43650 plug.

<p><b>MTC309037</b> 100 bar/1500 psi NC</p>  <p>NC solenoid valve in F3/8" out F3/8" 100 bar - 1500 psi 230V 50/60Hz 24V DC</p> <p>Qty: 1</p>	<p><b>MEC309024</b> 80 bar/1160 psi NC</p>  <p>NC solenoid valve in F1/4" out F1/4" 80 bar - 1160 psi 24V DC</p> <p>Qty: 1</p>	<p><b>MTC309072</b> 60 bar/870 psi NO</p>  <p>NO solenoid valve in F1/4" out F1/4" 60 bar - 870 psi 24V DC</p> <p>Qty: 1</p>
<p><b>4202004001</b> C4 Solenoid COIL</p>  <p>C4 solenoid coil 230V 50/60Hz</p> <p>Qty: 1</p>	<p><b>3303030001</b> C4 Coil connector</p>  <p>C4 Solenoid coil connector DIN43650 con cavo 1 m with 1 m cable</p> <p>Qty: 1</p>	<p><b>MTC309031</b> 10 bar/145 psi NC / Breezy</p>  <p>NC solenoid valve in F3/8" out F3/8" 10 bar - 145 psi 230V 50/60Hz Breezy (optional)</p> <p>Qty: 1</p>
<p><b>MEC309002</b> C1 Solenoid valve Plug</p>  <p>Solenoid coil plug C1 version DIN43650 (13/16/18 bar)</p> <p>Qty: 1</p>	<p><b>MEC309001</b> 18 bar/260 psi NC</p>  <p>NC solenoid valve in F3/8" out F3/8" 18 bar - 260 psi 230V 50/60Hz Premium/Arctic</p> <p>Qty: 1</p>	<p><b>MTC309027</b> 18 bar/260 psi NC</p>  <p>NC solenoid valve in F3/8" out F3/8" 18 bar - 260 psi 110V 60Hz</p> <p>Qty: 1</p>
<p><b>MTC309023</b> 16 bar/230 psi NC</p>  <p>NC solenoid valve in F3/4" out F3/4" 16 bar - 230 psi 230V 50/60Hz NT-Fog 27/35/43</p> <p>Qty: 1</p>	<p><b>MTC309022</b> 18 bar/260 psi NC</p>  <p>NC solenoid valve in F1/2" out F1/2" 18 bar - 260 psi 230V 50/60Hz NT-Fog 15/18/21</p> <p>Qty: 1</p>	<p><b>MTC309036</b> 13 bar/190 psi NC</p>  <p>NC solenoid valve in F3/4" out F3/4" 13 bar - 190 psi 24V DC</p> <p>Qty: 1</p>
<p><b>MTC309038</b> 16 bar/230 psi NC</p>  <p>NC solenoid valve in F1/2" out F1/2" 18 bar - 260 psi 24V DC</p> <p>Qty: 1</p>	<p><b>4202003001</b> C1 Solenoid COIL</p>  <p>C1 solenoid coil 230V 50/60Hz</p> <p>Qty: 1</p>	<p><b>3303031001</b> C1 Coil connector</p>  <p>C1 Solenoid coil connector DIN43650 with 1 m cable</p> <p>Qty: 1</p>

## ACCESSORIES and SPARE PARTS

EC100007

VAR programmer

VAR pumps programmer



Qty: 1

MTC309020

ETH+Modbus RS485 Gateway

RTUto ETH TCP

senza alimentatore  
w/o power supply

12-48 V DC



Qty: 1

MTC309060

Modbus expansion board

Serial Modbus  
expansion board

EC100021 / HT VAR  
control boards



Qty: 1

MEC309003

Pressure switch

con reset  
Pressure switch

230V 50Hz G3/8"F



Qty: 1

MEC309010

Cyclic timer W

Digital cyclic timer

ON/ OFF/ T3  
230-115V 50-60Hz



Qty: 1

MEC309011

Cyclic timer B

Digital cyclic timer

ON/ OFF  
230-115V 50-60Hz



Qty: 1

3303511003

Contactor 24V

Contactor

24V 50-60Hz  
400V 12A 5.7kW

Professional pumps



Qty: 1

101452

Transformer 24V

Transformer

in 0-200-230-400V  
out 0-24V  
20VA

Professional pumps



Qty: 1

6320503003

Transformer 230V

Transformer

in 0-400V  
out 0-230V  
50VA

NT-FOGpumps



Qty: 1

MTC309065

Smart Plug Wi-Fi

Smart Plug  
On/Off

Schuko  
16A Wi-Fi



Qty: 1

MTC309061

Wi-Fi expansion antenna

Wi-Fi antenna add-on  
for Modbus controllers

MEC 100021 / HT/ VAR  
control boards



Qty: 1

MTC309069

Motion sensor

External installation  
10A / CE certified  
110-230V 50/60Hz  
Temp. range -30+50°C



Qty: 1

## ACCESSORIES and SPARE PARTS

**MTC980011**  
NT-Fog VAR3.0 kW VFD



NT-Fog 3 kW VFD  
3.0 kW  
input: 400V 3PH  
50/60Hz  
NT-Fog VAR

Qty: 1

**MTC980010**  
MistMatic VAR1.5 kW VFD



Evo-VAR 1.5 kW VFD  
1.5 kW  
input: 230V 1PH  
50/60Hz  
MistMatic  
Evolution Time VAR

Qty: 1


**MTC980012**  
I-Cooler LSP VFD



I-Cooler/LSP VFD  
550 W  
input: 110-230V 1PH  
50/60Hz  
I-Cooler / LSP

Qty: 1


**MTC309016**  
Pressure switch



Pressure switch  
1/8M BSP  
40 bar 230V50Hz  
Arctic / Polaris

Qty: 1


**MTC309015**  
Pressure switch



Pressure switch  
1/4M BSP  
40 bar 230V50Hz  
NT-Fog

Qty: 1

**MTC309018**  
Pressure switch



Pressure switch  
3/8M BSP  
40 bar 230V50Hz  
NT-Fog VAR

Qty: 1


**MTC309033**  
Socket 5P



Connettore  
5 poli  
Female socket 5 poles for probes

Qty: 1

**MTC309032**  
Plug 5P



Male socket 5 poles for probes

Qty: 1

**5222501003**  
Cooling fan



VFDfan  
220-240V  
120\*120\*38  
Evolution Time VAR

Qty: 1


**MTC309035**  
Socket 4P



5 poli  
Female socket 4 poles for remote

Qty: 1

**MTC309034**  
Plug 4P



Male socket 4 poles for remote

Qty: 1


**MTC980013**  
MobiCool VFD



Mobicool VFD  
550 W  
input: 110-230V 1PH  
50/60Hz  
MobiCool

Qty: 1

**MTC981010**  
Pressure transducer



Pressure transducer  
1/4" M  
0-100 bar  
4-20 mA  
1.5m cable

Qty: 1



## ACCESSORIES and SPARE PARTS

<p><b>MTC309055</b> Arctic HT 0-10V c.b.</p>  <p>Arctic control board 0-10V input 0/I dry contact</p> <p>Qty: 1</p>	<p><b>MTC309056</b> Mistmatic VAR c.b.</p>  <p>Mistmatic VAR control board</p> <p>Qty: 1</p>	<p><b>MTC309052</b> Breezy c.b.</p>  <p>Breezy control board Standard versions</p> <p>Qty: 1</p>
<p><b>MTC309045</b> TIME-2A c.b.</p>  <p>TIME-2 control board NT-Fog</p> <p>Qty: 1</p>	<p><b>MTC309050</b> TIME-2B c.b.</p>  <p>TIME-2 control board NT-Fog TIME</p> <p>Qty: 1</p>	<p><b>MTC309051</b> TIME-2C c.b.</p>  <p>TIME-2 control board NT-Fog VAR</p> <p>Qty: 1</p>
<p><b>MTC309049</b> I-Cooler c.b.</p>  <p>I-Cooler control board</p> <p>Qty: 1</p>	<p><b>MTC309041</b> Arctic HT c.b.</p>  <p>Arctic control board HTversions</p> <p>Qty: 1</p>	<p><b>MTC309040</b> Arctic c.b.</p>  <p>Arctic control board Standard versions</p> <p>Qty: 1</p>
<p><b>MTC309053</b> Polaris LSP c.b.</p>  <p>Polaris LSP control board LSPversions</p> <p>Qty: 1</p>	<p><b>MTC309042</b> Polaris c.b.</p>  <p>Polaris control board Standard versions</p> <p>Qty: 1</p>	<p><b>MTC309043</b> Polaris HT c.b.</p>  <p>Polaris control board HTversions</p> <p>Qty: 1</p>
<p><b>MTC309044</b> MTC100001 c.b.</p>  <p>TC100001 control board</p> <p>Qty: 1</p>	<p><b>MTC309047</b> MosKITo c.b.</p>  <p>MosKITo control board Standard versions</p> <p>Qty: 1</p>	<p><b>MTC309046</b> MEC100021 c.b.</p>  <p>EC100021 control board</p> <p>Qty: 1</p>

## ACCESSORIES and SPARE PARTS

MEC400012

Ball valve G 3/8" FF brass

Ball valve G3/8"FF brass  
80 bar - BSP



Qty: 1

MEC400014

Ball valve G 1/2" FF brass

Ball valve G1/2"FF brass  
70 bar - BSP



Qty: 1

MTC400053

Nipple 3/8"

Nipple 3/8" - S.Steel



Qty: 1

MTC400047

S.Steel Nipple

S.Steel nipple

1/4" MM



Qty: 1

MTC400048

S.Steel Reducer

S.Steel reducer

M3/8" M1/2"



Qty: 1

MTC400049

S.Steel Reducer

S.Steel reducer

M1/4" M3/8"



Qty: 1

MTC400050

S-Steel Hex Reducing Bushing

S.Steel Hex  
Reducing Bushing

1/2" MF



Qty: 1

MTC400051

S-Steel Hex Reducing Bushing

S.Steel Hex  
Reducing Bushing

3/8" MF



Qty: 1

MTC400052

S-Steel Hex Reducing Bushing

S.Steel Hex  
Reducing Bushing

M1/2" F3/8"



Qty: 1

MEC400033

HP hose F1/2" F1/2"

High pressure  
flexible hose  
1/2" 1 m - S.Steel



Qty: 1

MTC400043

Nipple 1/2"

Nipple 1/2" - S.Steel



Qty: 1

MTC400044

'T' fitting FFF1/2"

T fitting - brass  
BSP



Qty: 1

MEC400032

HP hose F3/8" F3/8"

High pressure  
flexible hose  
5/16" 1 m - S.Steel



Qty: 1

MTC400041

Elbow M3/8" F3/8"

Elbow fitting - brass  
BSP



Qty: 1

MTC400042

'T' fitting M 3/8" F 3/8" F 3/8"

T fitting - brass  
BSP



Qty: 1

## ACCESSORIES and SPARE PARTS

**MEC309020**  
Check Valve G 1/4" FF



S.Steel check valve  
G 1/4" FF"  
380 bar - 5500 psi

Qty: 1

**MTC400045**  
Nipple M22x1.5



Nipple M22x1.5 M1/4" G  
dia.14

Qty: 1

**MTC400046**  
Quick Coupling F22x1.5



Quick Coupling  
F22x1.5 G1/4F

Qty: 1

**MEC400030**  
HP hose F22x1.5 F1/4"



High pressure  
flexible hose  
1/4" 8 m - Brass

Qty: 1

**MEC400031**  
HP hose F1/4" F1/4"



High pressure  
flexible hose  
3/16" 2.5 m - Brass

Qty: 1

**MEC400011**  
Ball Valve G 1/4" FF



FF  
G 1/4" FF on/off ball valve  
80 bar - 1150 psi - Brass

Qty: 1


**MTC982010**  
VS 160  
140 BAR



IN G1/4" M  
ByPass G1/8 F+Ptgm.13mm  
140 bar - 14 MPa - 2000 psi  
14 l/ min - 3.7 USGpm  
90 °C - 195 °F  
Safety valve

Qty: 1


**MTC982011**  
VB85R/180  
160 BAR



IN G1/2" F - OUT G1/2" F  
160 bar - 16 MPa - 2300 psi  
80 l/ min - 21 USGpm  
90 °C - 195 °F  
P.regulator  
NT-Fog 27/35/43 lpm

Qty: 1

**MTC982012**  
Pulsar RV  
160 BAR



IN G3/8" F - OUT G3/8" F  
160 bar - 16 MPa - 2300 psi  
40 l/ min - 10 USGpm  
90 °C - 195 °F  
P.regulator  
NT-Fog 15/18/21 lpm

Qty: 1

**1913002001**  
Pressure gauge



Pressure gauge 0-300 bar  
1/8" - Glycerin-filled  
Premium Time  
Premium Plus

Qty: 1

**1913081001**  
Pressure gauge



Pressure gauge 0-250 bar  
1/4" - Glycerin-filled  
Premium / Evolution  
Arctic / Polaris  
Professional / NT-Fog  
MistMatic

Qty: 1

**102447**  
Pressure gauge hose



Pressure gauge hose  
1/4" F 1/8" M  
540mm

Qty: 1

**MTC309014**  
24V float switch KIT



Extended water tank feeding KIT  
24V

Qty: 1

**MTC508014**  
Float valve



Float brass valve M1/2"

Qty: 1




## ACCESSORIES and SPARE PARTS

**5311051001**  
**HS FOG Valves**  
Head valves HS  
Polaris - Arctic - Breezy  
Premium - Evolution  
MistMatic - MosKITo  
Icooler - Mobicool  
Qty: 2x6



**5311011001**  
**HS Seals**  
Seals KIT for HSpumps  
Polaris - Arctic  
Premium - Evolution  
MistMatic  
Qty: 4x3




**5311048001**  
**HS Oil Seals**  
HS Oil Seals KIT  
Polaris - Arctic  
Premium - Evolution  
MistMatic - MosKITo  
Qty: 1x3



**19056170**  
**Professional HW - NHDValves**  
Valves NHD-NHDP  
Professional  
HW  
2017  
Qty: 1x6



**10997420**  
**Professional HW - NHDSeals**  
Seals KIT for HDpumps 2017  
Qty: 6x3



**5311053001**  
**HS-KEM Valves**  
Head valves HS KEM  
«VITON»  
Evolution KEM  
Qty: 1



**19055430**  
**NMT Valve**  
Valve NMT  
NT-Fog 15/18/21  
Qty: 1



**10997470**  
**NMT Seals**  
NT-Fog 15/18/21  
Seals KT for NMT pumps  
Qty: 7x3



**5311052001**  
**HS-KEM Seals**  
Seals KIT for HS-KEMPumps  
«VITON KFM»  
Evolution KEM  
Qty: 4x3




**19056860**  
**XLTI 35/43 Valve**  
Valve for XLT3517IR XLT4317IR  
Qty: 1



**10997700**  
**XLTI 35/43 SEALS**  
Seals for XLT3517IR XLT4317IR pumps  
Qty: 6x3



**19056870**  
**XLT2730 Valve**  
Valve for XLT2730IR  
Qty: 1



**5311038001**  
**HS Piston**  
HS piston KIT  
Polaris - Arctic  
Premium - Evolution  
MistMatic  
MosKITo  
Qty: 3x1



**5311032001**  
**HS Regulator KIT**  
HS pressure regulator KIT  
Premium - Arctic  
Breezy - MosKITo  
Qty: 1



**10997690**  
**XLT2730 Seals**  
Seals KT for XLTpumps  
Qty: 1



## CHEMICALS and INSECTICIDES

**260028**  
Professional HW - HD Valves  
Valvole tipo HD  
Valves HD  
Professional HW  
2012~2017  
Qty: 1x6



**260044**  
Professional HW - HD Seals  
Guarnizioni tipo HD 2012~2017  
Seals KIT for HD pumps 2012~2017  
Qty: 7x3



**5311007001**  
MK Seals  
Kit guarnizioni pompe MK  
Seals KIT for MK pumps  
MosKITo  
Qty: 3x3



**5311027001**  
FL Seals  
Kit guarnizioni pompe FL  
Seals KIT for FL pumps  
MobiCool 2009  
I-Cooler  
Qty: 3x4

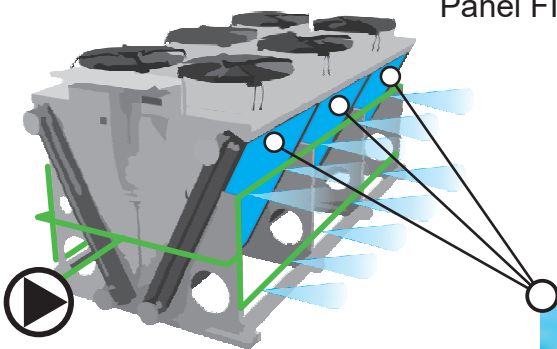


**5311088001**  
BZ Seals  
Kit guarnizioni pompe BZ  
Seals KIT for BZ pumps  
MobiCool 2016  
Icooler 2022  
Breezy  
Qty: 3x5

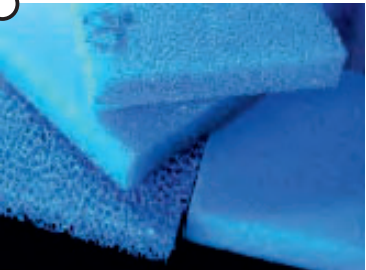


## other ACCESSORIES and SPARE PARTS

**MTC530011**  
Panel FILTER PPI 200x150x1cm  
Dimensions: 200x150x1 cm  
Dimensions: 78.7x59x0.4 in without frame  
PRE-COOLING  
Qty: 1



PPI panel filters are meant to protect components of an HVAC system in all applications in ventilation intake air. They offer peak efficiency and dust-holding capacity with minimal air resistance.



**MTC979001**  
Lubricating OIL 80W-90  
Lubricating OIL for pumps  
1 liter  
Qty: 1



**MTC979002**  
LOXEAL 56-03  
Threadsealing.  
Medium strength, for connectors up to 2", to replace PTFE tapes in the sealing of water.  
Qty: 1



## CHEMICALS and INSECTICIDES



MEC400501 PIRETRO SAFE EC Insecticide in concentrate form / 1 liter



Concentrated insecticide based on Piretro natural extract, odorless, non-flammable, fast-acting knockdown and insect-repellent effect. Water based.

Suitable for general disinfestation against flies, mosquitoes, cockroaches and all domestic insects in homes, hospitals, clinics, schools, public facilities, communities, industries and food industries, as well as in rural settings.



MEC400502 PERTRIN S Insecticide in concentrate form / 1 liter



Concentrated insecticide based on permethrin and tetramethrin, odorless, non-flammable, with a knockdown and residual effect. Water based.

It is effective against a wide variety of flying and crawling insects for residential and industrial premises (excluded food industries).



MEC400512 SCALE REMOVER detergent / 1 liter



Limescale remover with phosphoric acid. Its properties made it an excellent solution for nozzle cleaning, it removes limestone from nozzle hole and parts.



\* Import of insecticides and chemicals may be restricted in some countries



Residential Cooling  
Commercial Cooling  
Industrial Cooling  
Livestock Cooling  
Greenhouse Cooling  
AC Pre Cooling  
Humidification

Dust Suppression  
Odor Control

Special Effects



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