

timfog

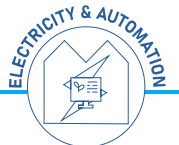
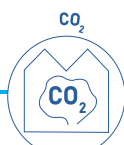


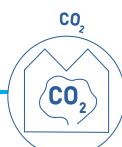
Timfog Pro Application Manual

Timfog Pro

Application Manual

November 2016

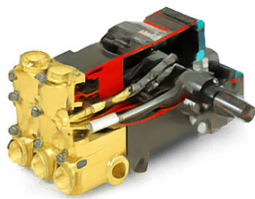




Misting Automation System



HOME
CONTROL
SYSTEM
inverter
DRIVER PARAMETERS
22:40.28
03.07.2016

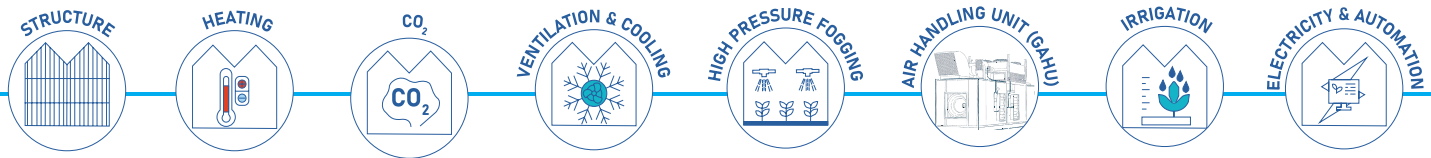


	PUMP 1	PUMP 2	PUMP 3
Running	● Running	● Running	● Running
Fault	● Fault	● Fault	● Fault
Frequency	0.00 Hz	Current 0.00 Hz	Frequency 0.0 Hz
Amperage	0.0 A	Discharge 0.0 A	Amperage 0 bar
Pressure	0.0	Gauge 0.0	Gauge 0.0
	START	START	START
	STOP	STOP	STOP

ALARM

HOME PAGE

On this page, you can view the status of all pumps, input and output pressures, motor current and speeds, and you can also control Start and Stop.



Misting Automation System

timfog HOME CONTROL SYSTEM inverter DRIVER PARAMETERS 22:40.28 03.07.2016

PUMP 1 CONTROL

Pump 1

Temperature 0C

Inlet Pressure 2.0 bar 0.0

Inlet Pressure 3 3

Test Count 0 bar 0 bar

Test Time 5 s

Outlet Pressure 0.10 bar 0 bar

On/Off Duration 0.5 min 0.5 min

Min/Max Humidity 0% 0%

Drain Time 2 s

Frequency 0.00 Hz

Current 0.0 A

START STOP

AUTO FAULT RESET TEST RESET On/Off Mode Humidity Mode DRIVER PARAMETERS

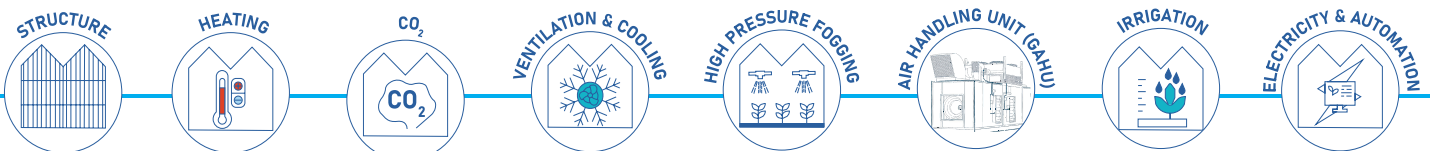
CONTROL PAGE

On the control page, you can make, monitor, and track all changes related to the operation.

Inlet Pressure, Outlet Pressure, Temperature and Humidity, Driver Output Current and Frequency, Drain Valve Time, Maximum and Minimum Limits, Start and Stop Time, Pump and Driver Times, etc. If you want to access and operate variables related to other pumps, you can switch using the icons located at the top of the page.

Additionally, you can manage other operating functions from this page: Operation According to Humidity, Start-Stop Operation, and Direct Operation.

You can find details related to operating functions on the other pages.



Misting Automation System

timfog HOME CONTROL SYSTEM inverter DRIVER PARAMETERS 22:40.28 03.07.2016

PUMP 1 CONTROL

Temperature 0°C

Inlet Pressure 2.0 bar 0.0

Inlet Pressure 3 3

Test Count 0 bar 0 bar

Test Time 5 s

Outlet Pressure 0.10 bar 0 bar

On/Off Duration 0.5 min 0.5 min

Min/Max Humidity 0% 0%

Drain Time 2 s

Frequency 0.00 Hz

Current 0.0 A

START STOP

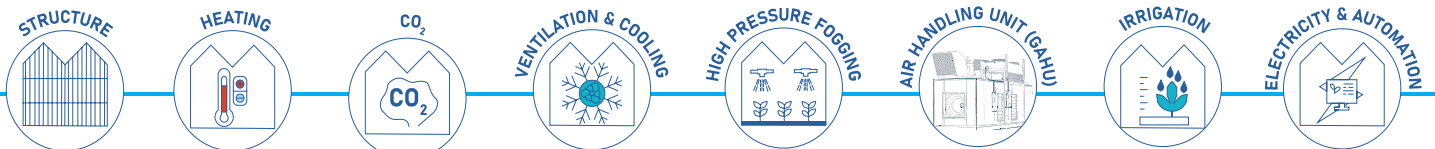
MANUAL FAULT RESET TEST RESET On/Off Mode Humidity Mode DRIVER PARAMETERS

Pump

- Running
- Fault
- Test
- Pump Status

RESET BUTTON

When the system is first activated, you should use the Reset buttons on the system to ensure that the Fault, Test, and Pump status buttons light up green.



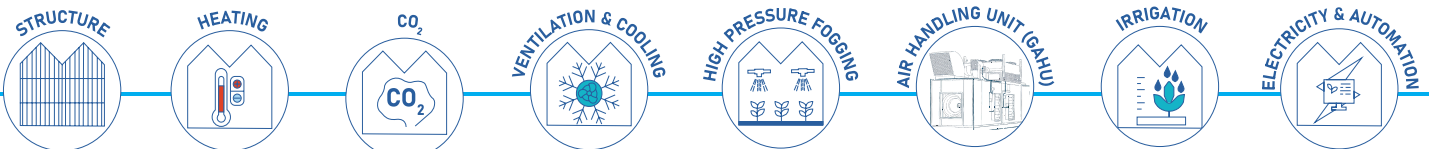
Misting Automation System

MANUAL AND AUTOMATIC CONTROL

To select automatic or manual operation, it is sufficient to press the button marked in blue once.

Manual control indicates normal operation. When Start is activated, it will operate at the set pressure until Stop is pressed.

If operation according to humidity or Start-Stop operation is desired, the Automatic button must be pressed. Additionally, if operation according to humidity is required, the Operate According to Humidity button must also be pressed.



Misting Automation System

timfog HOME CONTROL SYSTEM inverter DRIVER PARAMETERS 22:40.28 03.07.2016

PUMP 1 CONTROL PUMP 1

Temperature: 0°C

Pump: Running (red dot), Fault (green dot), Test (red dot), Pump Status (green dot)

Inlet Pressure	2.0 bar	0.0
Inlet Pressure	3	3
Test Count	0 bar	0 bar
Test Time	5 s	
Outlet Pressure	0.10 bar	0 bar
On/Off Duration	0.5 min	0.5 min
Min/Max Humidity	0%	0%
Drain Time	2 s	

Frequency: 0.00 Hz
Current: 0.0 A

START STOP

AUTO FAULT RESET TEST RESET **Continuous Operation** Humidity Mode DRIVER PARAMETERS

timfog HOME CONTROL SYSTEM inverter DRIVER PARAMETERS 22:40.28 03.07.2016

PUMP 1 CONTROL PUMP 1

Temperature: 0°C

Pump: Running (red dot), Fault (green dot), Test (red dot), Pump Status (green dot)

Inlet Pressure	2.0 bar	0.0
Inlet Pressure	3	3
Test Count	0 bar	0 bar
Test Time	5 s	
Outlet Pressure	0.10 bar	0 bar
On/Off Duration	0.5 min	0.5 min
Min/Max Humidity	0%	0%
Drain Time	2 s	

Frequency: 0.00 Hz
Current: 0.0 A

START STOP

AUTO FAULT RESET TEST RESET Continuous Operation **Humidity Mode** DRIVER PARAMETERS

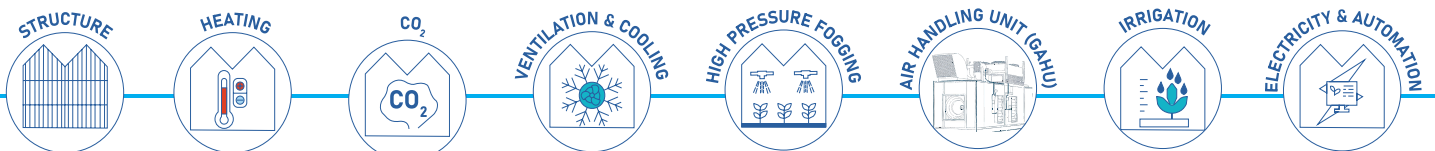
SYSTEM PAGE AND HUMIDITY CONTROL

When the System button is pressed, the inlet, outlet, and humidity values related to the system can be monitored, and only the humidity values can be changed.

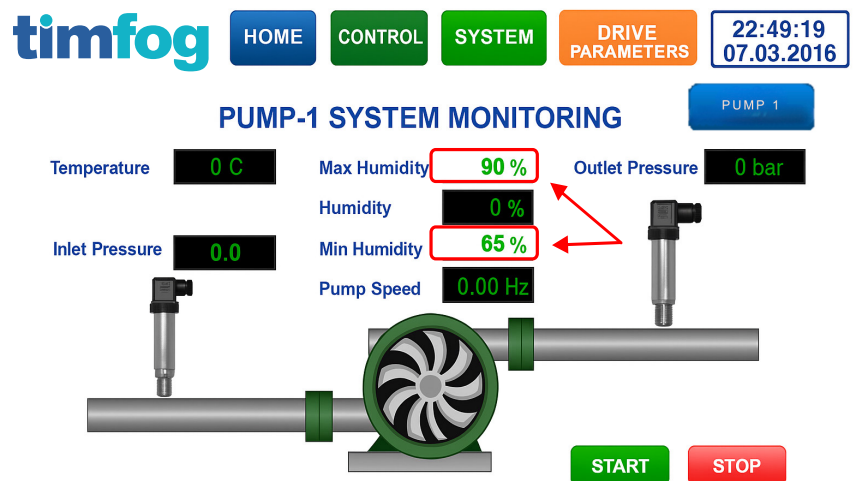
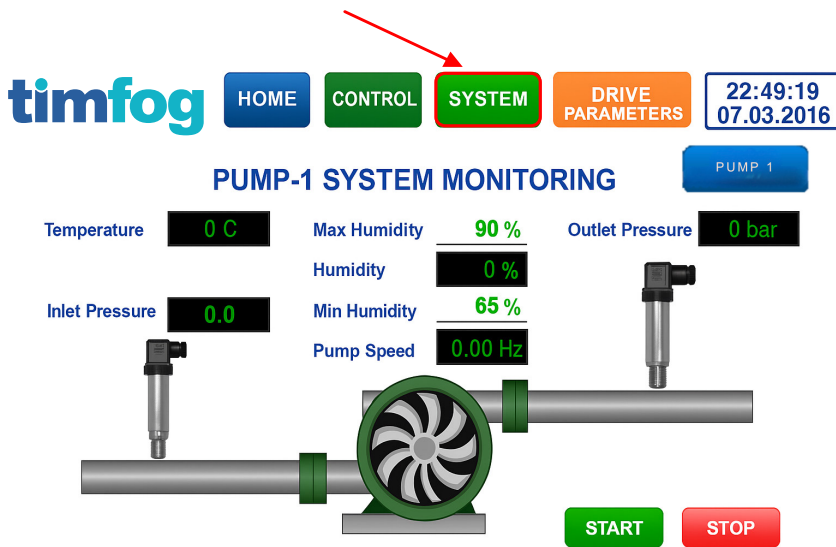
You can change the maximum and minimum values related to humidity from this page.

To control the system for a specific line, you can switch to other pages using the pump icons above.

The system will automatically stop when it reaches the set maximum value. It will automatically restart when it falls below the set minimum value.



Misting Automation System



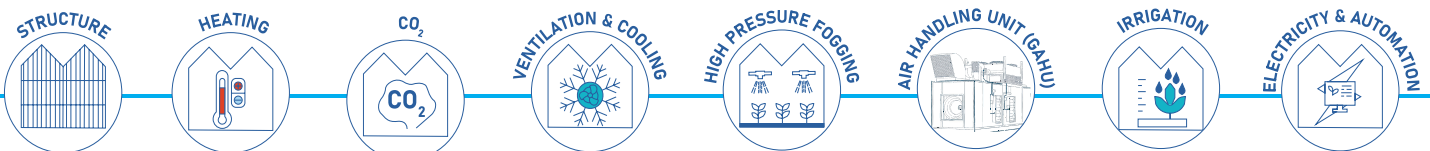
SYSTEM PAGE AND HUMIDITY CONTROL

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Misting Automation System

PUMP 1 CONTROL

Temperature: 0°C

Inlet Pressure	2.0 bar	0.0
Inlet Pressure	3	3
Test Count	0 bar	0 bar
Test Time	5 s	
Outlet Pressure	0.10 bar	0 bar
On/Off Duration	0.5 min	0.5 min
Min/Max Humidity	0%	0%
Drain Time	2 s	

Frequency: 0.00 Hz
Current: 0.0 A

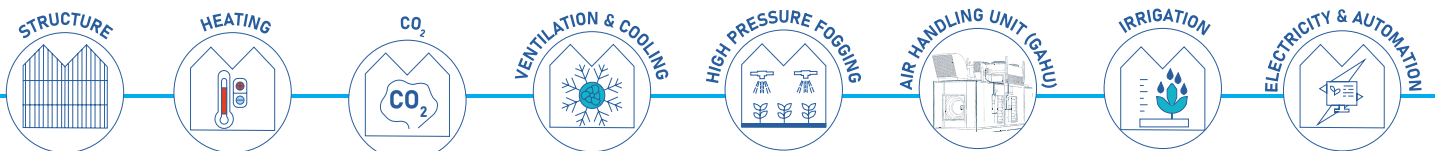
DRAIN TIME

On the control page, you can make, monitor, and track all changes related to the operation. Inlet Pressure, Outlet Pressure, Temperature and Humidity, Driver Output Current and Frequency, Drain Valve Time, Maximum and Minimum Limits, Start and Stop Time, Pump and Driver Times, etc.

If you want to access and operate variables related to other pumps, you can switch using the icons located at the top of the page.

Additionally, you can manage other operating functions from this page: Operation According to Humidity, Start-Stop Operation, and Direct Operation.

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Misting Automation System

timfog HOME CONTROL SYSTEM Inverter DRIVER PARAMETERS 22:40.28 03.07.2016

PUMP 1 CONTROL

PUMP 1

Temperature 0C

Inlet Pressure 2.0 bar 0.0

Inlet Pressure 3 3

Test Count 0 bar 0 bar

Test Time 5 s

Outlet Pressure 0.10 bar 0 bar

On/Off Duration 0.5 min 0.5 min

Min/Max Humidity 0% 0%

Drain Time 2 s

Frequency 0.00 Hz

Current 0.0 A

START STOP

AUTO FAULT RESET TEST RESET Continuous Operation Humidity Mode DRIVER PARAMETERS

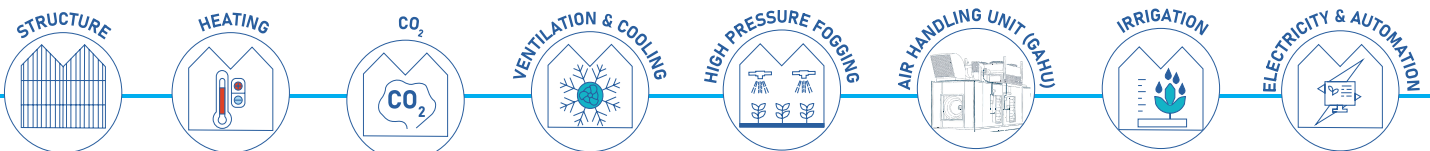
Pump

- Running
- Fault
- Test
- Pump Status

TEST OPERATION AND TIME

When the system first starts, if it does not reach the set test pressure within the set time, the operation is stopped due to a suspected fault or leak, and the test count is increased by 1. The test count indicates how many times the system will attempt this procedure. It will attempt the set number of times and then the system will enter a fault state.

If a leak check is desired in the system, the pressure must be set. If the pressure is left at 0, this check will not be performed.



PUMP 1 CONTROL

Temperature: 0°C

Inlet Pressure: 2.0 bar (highlighted in red)

Inlet Pressure: 3

Test Count: 0 bar

Test Time: 5 s

Outlet Pressure: 0.10 bar

On/Off Duration: 0.5 min

Min/Max Humidity: 0%

Drain Time: 2 s

Frequency: 0.00 Hz

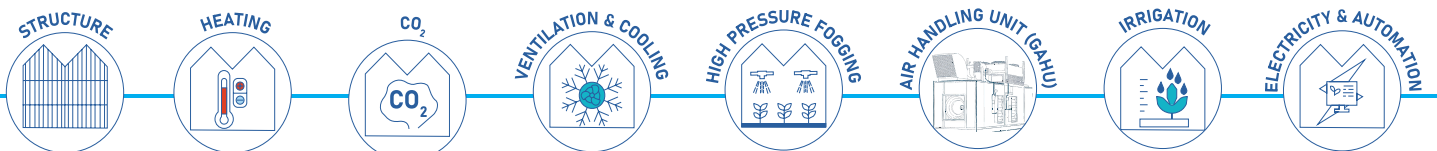
Current: 0.0 A

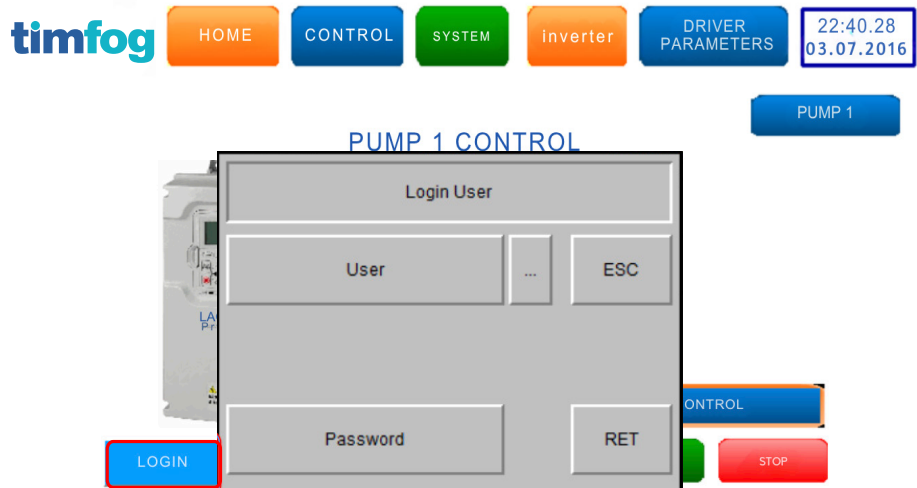
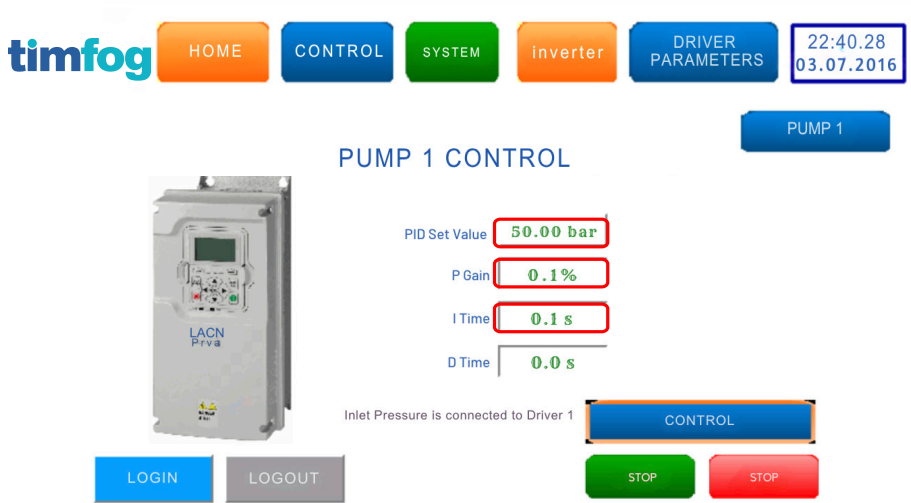
Buttons: START, STOP, AUTO, FAULT RESET, TEST RESET, Continuous Operation, Humidity Mode, DRIVER PARAMETERS

INLET PRESSURE

The system will not operate if the inlet pressure falls below the pressure marked in red above. If it is running at that moment, it will automatically stop. The correct value must be entered to prevent the motor from running dry.

If there is insufficient water, you need to supply the water system.





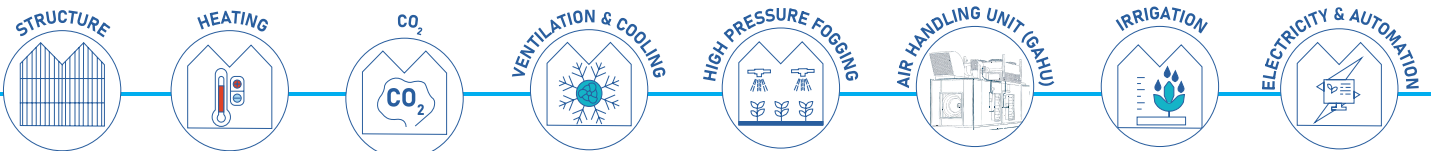
SERVICE AND PARAMETER PAGE

You can make changes related to service and the driver from this page.

Here, you can adjust the P, I, and D values that affect the system's operation. However, to make adjustments, you must enter the service page.

If you want to make changes related to the system, you must log into the system.

When you enter the correct username and password, the service icon will appear automatically.



Misting Automation System

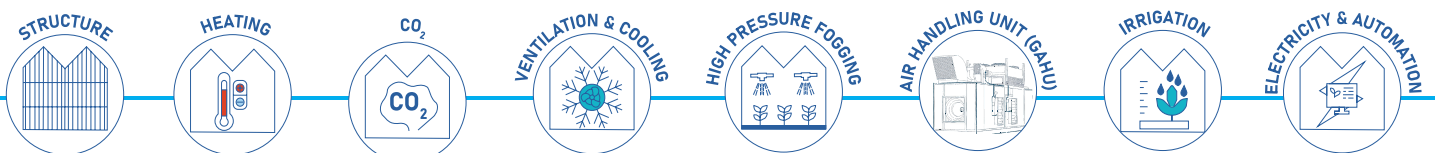
	Sürücü 1	Sürücü 2	Sürücü 3
PID Set	0.10 bar	0.10 bar	0.10 bar
P Gain	0.1%	0.1%	0.1%
I Time	0.1 s	0.1 s	0.1 s
D Time	0.0 s	0.0 s	0.0 s
Outlet Pressure	0 bar	0 bar	0 bar
Inlet Pressure	0.0	0.0	0.0

SERVICE AND PARAMETER PAGE

From this page, you can change the P, I, and D values required by the system.

You should select the input to which you have connected the system's inlet pressure here and press the analog value reset button. When the button is pressed, the inlet pressure will be automatically reset and displayed on the monitor screen. If the pressure value does not appear, you need to check your connection.

When you enter the correct username and password, the service icon will appear. To cancel the service icon, simply press the Logout button.







Driver 1 Analog Input

Driver 2 Analog Input

Driver 3 Analog Input

ANALOG VALUE RESET

Pressure Connected to Driver 1

	Sürücü 1	Sürücü 2	Sürücü 3
PID Set	0.10 bar	0.10 bar	0.10 bar
P Gain	0.1%	0.1%	0.1%
I Time	0.1 s	0.1 s	0.1 s
D Time	0.0 s	0.0 s	0.0 s
Outlet Pressure	0 bar	0 bar	0 bar
Inlet Pressure	0.0	0.0	0.0
	START	START	START
	STOP	STOP	STOP
			RETURN





Driver 1 Analog Input

Driver 2 Analog Input

Driver 3 Analog Input

ANALOG VALUE RESET

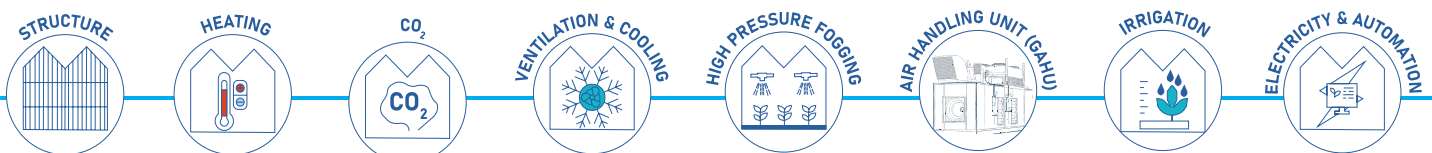
Pressure Connected to Driver 1

	Sürücü 1	Sürücü 2	Sürücü 3
PID Set	0.10 bar	0.10 bar	0.10 bar
P Gain	0.1%	0.1%	0.1%
I Time	0.1 s	0.1 s	0.1 s
D Time	0.0 s	0.0 s	0.0 s
Outlet Pressure	0 bar	0 bar	0 bar
Inlet Pressure	0.0	0.0	0.0
	START	START	START
	STOP	STOP	STOP
			RETURN

SERVICE AND PARAMETER PAGE

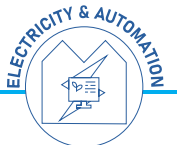
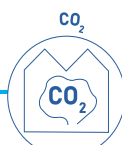
After changing the analog input selection, you need to press the Analog Value Reset button to reset the system.

After pressing the button, if your input connection is correct, you should see the inlet pressure on the monitor.



Safety Warnings

Published November 2016



1 Safety Warnings

1.1 Input

The safety warnings necessary for the safe operation of the machine are provided in this section titled “Safety Warnings.”

Before operating the machine, these safety warnings should be read carefully and fully understood.

TIMFOG high-pressure misting systems are designed according to the latest technological standards and meet occupational safety requirements. However, they can pose a danger if used by individuals who are uninformed or at least not warned.

There may be risks of harm to the bodies and lives of the operator, the person managing the operation, and third parties, as well as potential damage to the machine and the operator’s other property.

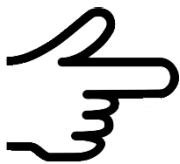
Persons responsible for installation, operation, maintenance, and repair of the machines must have read and understood the relevant instructions, especially the safety warnings.



It is a warning sign indicating a hazardous area and the potential for personal injury.



It is a warning sign for a potential electrical hazard.



It is placed in areas that require special attention to ensure compliance with instructions, precautions, and recommendations.



It is a warning precaution for areas with rotating parts that could cause injury.

STRUCTURE



HEATING



CO₂



VENTILATION & COOLING



HIGH PRESSURE FOGGING



AIR HANDLING UNIT (AHU)



IRRIGATION



ELECTRICITY & AUTOMATION



1.3 Transport and Installation Warnings



I. The necessary information and warnings regarding the transport and installation of the misting system are provided to the user in this manual.

II. If transport will be by sea, the system must be kept in the hold below the ship's deck.

III. The main unit of the misting system is secured to a pallet and placed in a wooden crate, while the pipes, fittings, and other accessories are delivered on a 6-meter-long pallet or packaging.

IV. The transport dimensions and weights of the main unit and its components are specified in the packing list.

V. When you receive the system, check for any possible damages. If any damage is found, immediately report it to the carrier.

VI. Use a forklift or mobile crane to unload the machine. Transport can be done manually by at least two people, using a forklift, pallet jack, or in small packages.

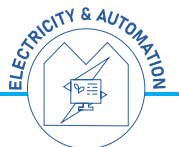
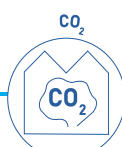
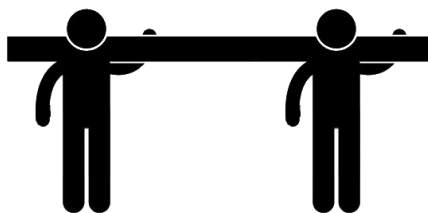


Lift the main unit of the machine using a forklift with sufficient lifting capacity.

Ensure that the load is securely positioned on the forklift forks.

When transporting the machine, keep the load as low as possible to maintain adequate visibility, balance, and operational safety. Widen the forklift forks and position them at the center of the machine.

The 6-meter-long pipes must be carried in a balanced manner by at least two people, in accordance with international manual handling instructions.



Warnings



I. When transporting system components in their packaging, ensure that the packaging is closed and that no parts are hanging.

II. No materials should be placed on the pump unit during transport.

III. If there is an additional control panel unit, no materials should be placed on it during transport.

IV. The area where the main unit will be installed should be selected so that it is not exposed to any external damage.

V. There should be no unsecured items in the area where the main unit is placed.

VI. The areas where the main unit is stored or installed should have temperatures between 0–50°C and humidity levels between 0–70%. Units should be installed outside the area being humidified.

VII. If the system is transported in a space with stairs, it must be carried by at least two people in accordance with international manual handling instructions; sliding on the feet is not allowed.

VIII. Use the system only as specified in this manual and with spare parts recommended by the manufacturer.

IX. If the unit has been dropped, damaged, exposed to external factors, or has water on it, report it to the company representatives and do not operate the device.



I. Before performing any work on the main unit, the electrical connection must be checked and the main switch must be turned off.

II. Do not damage the cable in a way that could cause electrical leakage; the cable must not be used as a pulling device.

III. In the area where the spray nozzles are located, there should be no exposed or damaged cables, lighting systems affected by humidity, or electrical systems susceptible to moisture.

IV. Spray nozzles should not spray directly or indirectly onto electrical systems or cables.

V. Installing the nozzles without leaving sufficient space may cause condensation; ensure there are no obstacles in front of them.

VI. Work on electrical equipment must only be performed by qualified personnel. Do not operate the machine if damaged electrical connections have not been replaced.

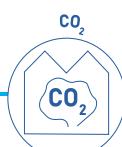
VII. The system must be connected to a properly grounded line; it must not be operated without grounding. See Grounding Instructions.

VIII. Ensure the integrity of the panel connections; insulate any exposed cable ends.

IX. Disconnect the device from electricity when it is not in use or during maintenance.

X. Do not work with wet hands or inappropriate tools.

XI. Turn off the system before cutting the power.



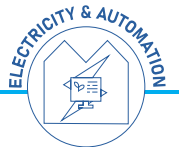
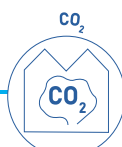
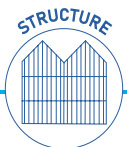
1.4 Safe Operation



- I. Before operating, using, servicing, or managing the misting system, fully study all contents of this manual.
- II. The system should only be operated by trained, instructed, and authorized personnel; if a fault occurs, service should be requested from the authorized service provider.
- III. Responsibility for the operation of the system in relation to different activities must be identified and strictly followed.
- IV. Consult your employer regarding existing safety provisions and any specific accident-preventive equipment to ensure your personal safety.
- V. Avoid any operating practices that could compromise the safety of the system.
- VI. The user must check at least once for visible damage or deficiencies. All changes that occur, including differences noticed during operation that threaten safety, must be reported immediately.
- VII. The system should only be operated if it is in flawless condition.
- VIII. With the help of the necessary instructions and checks, the user must maintain cleanliness and order in the work area around the system.
- IX. Only provide the misting system to third parties along with the user and maintenance manual.
- X. The main unit and panels of the system must not be opened by anyone other than qualified personnel.
- XI. Never perform maintenance without first obtaining the necessary authorization.
- XII. Noise levels during system operation range between 35–120 decibels.



- I. Work on electrical equipment must only be performed by qualified personnel using appropriate tools.
- II. Ensure that the pump motor in the main unit does not come into contact with water.
- III. The system is protected against voltage fluctuations that may occur in the power network. In the event of voltage changes, the system will switch to the off position and display a fault on the panel. See the Panel User Manual.
- IV. Cable cross-sections must comply with international standards.



Grounding Instructions and Special Hazards

1.5 Grounding Instructions



I. The units must be grounded. If the grounding line is faulty or damaged, a grounding path with the least resistance to electrical current must be provided to reduce the risk of electric shock. Devices with a 230 V supply are equipped with a cable that has an equipment grounding conductor and plug. The device's plug must be connected to a properly installed and grounded outlet in accordance with local regulations. The safety ground connection of the outlet must be checked. Using the system in an ungrounded outlet poses a life-threatening risk. For systems with a 380 V supply, the grounding line must be connected to the specified grounding point.

II. Incorrect connection of the equipment grounding conductor can result in the risk of electric shock. If you are unsure whether the line is properly grounded, consult a licensed electrician or service. Do not replace the device plug with another if it does not fit the outlet. Ensure that a licensed electrician provides a proper outlet or grounding connection.

III. The user must not tamper with the equipment under any circumstances. Any attempt by the user or unauthorized persons to disassemble, modify, or generally tamper with any part of the system will void the warranty. In case of a fault, contact the TIMFOG after-sales support center.

1.6 Special Hazards



SAFETY EQUIPMENT (Covers, locks, fuses, grounding line, panel, solenoid valves, pressure sensors, pressure control valves, etc.) **MUST NEVER BE DISABLED, AND UNAUTHORIZED PERSONS ARE STRICTLY PROHIBITED FROM MAKING ANY CHANGES TO THE SYSTEM.**



I. Failure to follow electrical shutdown rules can result in a life-threatening hazard due to high voltage. Under no circumstances should any intervention be made on electrical components while the system is powered.

II. The electrical installation must never come into contact with heaters or wet areas.



I. The water inlet pressure must be between 3–6 bar, and the temperature must be between +1°C and +60°C.

II. Pressurized water-carrying parts and connection components of the system must be protected from contact with sharp or cutting tools. Before operating the system, the piping circuits must undergo a leak test, and the system should only be operated once it is confirmed to be leak-free. Do not interfere with pipes or equipment while the system is running.

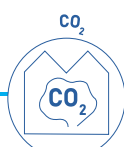
III. The water inlet connections of the system must be checked to ensure that water is supplied at sufficient pressure (checked via a manometer).

IV. Ensure that the manometer, pressure sensor, and solenoid valves are functioning properly.

V. The main unit must not be installed in areas where there is a risk of explosion.

VI. Before starting the system, all valves at the system inlet must be opened.

VII. To vent the system, the discharge valves at the end of the system must remain open until water flows.



1.7 Accident Prevention

General accident prevention instructions apply. All TIMFOG machines and systems are equipped with the applicable protective devices and safety-related control functions. One of the most effective measures to prevent accidents is for the user to have a detailed understanding of all functions of the machine.



- I. Keep away from rotating parts in the units; children and animals should not be allowed near the units.
- II. Do not operate the system if the protective cover on the fan that cools the electric motors is not installed.



- I. System components may only be serviced or replaced by personnel assigned by the authorized company and with original parts.
- II. During repair, maintenance, and adjustment work that requires people to be present in the work area, the machine must be disconnected from its power supply.



- I. The unit must not be subjected to impact in any way. Severe impact and collision may cause the machine to tip over and be damaged.
- II. Modifications cannot be made to the system installed without the knowledge of TIMFOG, and TIMFOG does not accept responsibility for system modifications made without its knowledge.

1.8 Safety Equipment



- I. All rotary parts are protected for safety. No object should be inserted that would prevent their operation.
- II. The relevant energy line must be protected during the repair of the rotary parts.

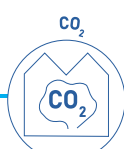
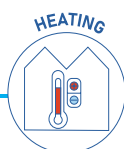
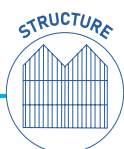


- I. Against excessive energy loading, a circuit breaker with a value higher than the circuit breakers used in the main panel should not be used in the panel to which the line will be connected.
- II. The line to be used by the system must have an earthing system; the system must not be operated without an earthing connection.

III. System panels are lockable panels to prevent easy access to electrical equipment. However, these panels can only be opened by qualified personnel authorized for maintenance and repair. Panels must not be opened for any reason other than Maintenance and Repair.



- I. Pressure sensors and solenoid valves are placed on the system against the event of no water supply. In case of no water supply, the system automatically shuts down and indicates a fault on the panel.
- II. In case the water does not arrive with sufficient pressure, a fault appears on the panel; to eliminate the fault, the incoming water must be pressurized.



1.9 Adjustment and Assembly



I. Adjustment and assembly work must be carried out by authorized persons and in accordance with the instructions in this manual. Otherwise, LIFE-THREATENING DANGER MAY ARISE!

II. The person authorized for this job is responsible for carrying out work regarding adjustment and assembly.

III. When the system is running, there should be no manual intervention in the working area in any way.

IV. During assembly, the pipes must be suspended using special pipe suspension apparatus.

V. During assembly, press couplings must be tightened with a special press machine, and their tightness must be checked.

VI. All occupational safety rules must be followed during assembly.

VII. The entire system between the main unit and the piping system must be checked at least 1 time before starting the operation.

1.10 Maintenance and Repair



I. In order to prevent the device from being touched and used during Maintenance and Repair works; The phrase “Under Maintenance Do Not Touch” or “Under Repair Do Not Touch” must be placed on the device.

II. Maintenance and repair work should only be performed by individuals trained in this subject. Service must definitely be obtained from the authorized service for these matters!

III. For maintenance and repair works, the system must be stopped and the electricity to the system must be cut off.

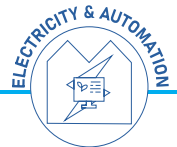
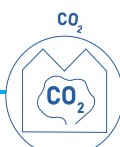
IV. If some parts need to be removed during repair, appropriate safety precautions must have been taken.

V. After maintenance and repair works, the system user must re-check the security status of the system and the safety equipment.

The periodic maintenance of the system must be performed as described in this manual.

Only TIMFOG’s original spare parts should be installed.

«Safety Warnings» are only valid in the Turkish language.





Certificate of Registration

This is to certify that the
Quality Management System
of

TİMFOG MÜHENDİSLİK HİZMETLERİ SAN. TİC. A.Ş.
ESEANTEPE MAH. KURU SOK. NO:28/B KAT:3 DUDULLU ÜMRANIYE İSTANBUL
ZAFER MAH. ŞEHİT YÜZBAŞI YÜCEL KENTER CAD. 2M8 BLOK NO:7-8 ÇORLU TEKİRDAĞ

Has been independently assessed and is
compliant with the requirements of:

ISO 9001:2008

For the following scope of activities:

DESIGN, PRODUCTION AND SALES OF AIR CONDITION AND FOG SYSTEMS

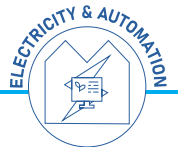
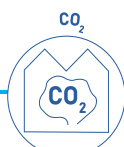
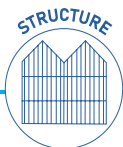
Certificate Number: 169369A

Date of initial registration	21 th February 2016
Date of this certificate	21 th February 2016
Certificate expiry (subject to the company maintaining its system to the required standard)	15 th September 2018


Authorised Signatory



This certificate is the property of ACM Limited and shall be returned immediately on request.
ACM Limited, 4 Navigation Court, Harris Business Park, Hanbury Road, Stoke Prior, Bromsgrove, B60 4FD, UK
+44 (0)1527 877462 info@acmcert.com





CE DECLARATION OF CONFORMITY

We Here With Declare:

TİMFOG MÜHENDİSLİK HİZMETLERİ A.Ş.

Zafer Mah. Yeni Sanayi Sitesi Şht. Yzb. Yücel Kenter Cad. 2M8 Blok No:7/8
Çorlu - Tekirdağ / Türkiye

That the following described machine in our delivered version complies with the appropriate basic safety and health requirements of the EC Safety of Machinery Directive 2006/42/EC, Low Voltage Directive 2006/42/EC based on its design and type, as brought into circulation by us. In case of alteration of the machine, not agreed upon by us, this declaration will lose its validity.

Product Name : FOG PUMP UNIT

Trade Mark : TIMFOG

Machine Types : TIMFOG PRO, TIMFOG BASIC

Serial Number : TF-2016-0001

Directive : 2006/42/AT Machine Directive
2006/95/AT Low Voltage Directive

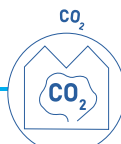
Applicable Harmonized Standards : 2006/95/EC(73/23/EEC), 2006/42/EC(98/37/EC)
TS EN ISO 12100:2010, TS EN ISO 13857,
TS EN 349+A1, TS EN 60204-1/A1

Test Report Nr. : SRS LVD-0216-016 – 15.02.2016

Declaration Date : 15.02.2016

Title of Signatory : General Manager

Company Stamp :





ATTESTATION OF CONFORMITY

Sertifika No / Certificate No	: SRS-0216-014
Üretici / Manufacturer	: TİMFOG MÜHENDİSLİK HİZMETLERİ A.Ş.
Ürün Adı / Product Name	: SİSLEME POMPA ÜNİTESİ / FOG PUMP UNIT
Marka / Trade Mark	: TİMFOG
Model / Type	: TİMFOG PRO, TİMFOG BASIC
Seri No/ Serial Number	: TF-2016-0001
Direktif / Directive	: 2006/95/EC(73/23/EEC), 2006/42/EC(98/37/EC)
Harmonize Standardlar	
Applicable Standards	: TS EN ISO 12100:2010, TS EN ISO 13857, TS EN 349+A1, TS EN 60204-1/A1
Rapor No ve Test Rapor Tarihi	
Report No and Test Report Date	: SRS LVD-0216-016 – 15.02.2016

İlave Karakteristikler / Additional Characteristics : Teknik Dosya, Kullanma ve Bakım Klavuzu, Teknik Resimler v.s. / Technical File, User and Maintenance Guide, Technical Drawings etc.

Aşağıda adı geçen numune ürünler SRS CERT tarafından yukarıda belirtilen direktif ve standartlara göre test edilmiştir. / A sample of the following product has been tested and stated by SRS CERT to be in conformity with applicable European Standards referred above.

Test edilen numune ürünün teknik hükümlerinin Avrupa normlarına göre uygun olup son değişiklikleride içermektedir ve ulusal kanunlara göre uygunlaştırılmıştır. / It may therefore be presumed that the tested sample of the product is in conformity with the technical provisions of the following European Directives including the latest amendments and with national legislation implementing these directives.

Diğer uygulanabilir yönetmelik gerekliliklerini sağlamıştır. Üretici (Avrupa Yetkili Temsilcisi) EC/EEA deklarasyonuna uygunluğuna göre ve ön ek CE işaretlemesine göre Kabul edilen ürüne CE işareti tek tek uygulanır. / Provided that other applicable directive requirements are satisfied, the manufacturer (or European Authorized Representative) may draw up an EC/EEA Declaration of Conformity and affix the CE marking to each conforming product.

GENERAL DIRECTOR
BÜLENT YILMAZ

SRS ULUSLARARASI BELGELENDİRME
TEKNİK KONTROL GÖZETİM ve EĞİTİM
HİZMETLERİ LTD. ŞTİ.

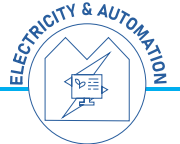
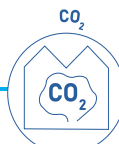
Gümüşpala Mah.Gülseren Altınur Sk. No:11/1
Avcılar / İSTANBUL

Tel : +90 212 854 15 10 Fax : +90 212 852 80 51
www.srs-cert.com info@srs-cert.com



Certificate Date : 15.02.2016

Validity Date : 15.02.2017





**ТАМОЖЕННЫЙ СОЮЗ
ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ**

Заявитель, Общество с ограниченной ответственностью "ЭЛТОР", ОГРН: 1137746717767

Место нахождения и фактический адрес: Россия, 125009, город Москва, Глинищевский переулок, дом 5-7, строение 2, телефон: +74995179159, факс: +74995179159, e-mail: eltor@mail.ru

в лице генерального директора Бендеря Олеси Анатольевны

заявляет, что Оборудование насосное промышленное: насосы жидкостные артикул Timfog Pro/Basic - High Pressure Fogging System

Продукция изготовлена в соответствии с ТР ТС 010/2011 «О безопасности машин и оборудования»

ТР ТС 004/2011 «О безопасности низковольтного оборудования»

ТР ТС 020/2011 «Электромагнитная совместимость технических средств»

изготовитель TIMFOG MUHENDISLIK HIZMETLERI SANAYI VE TIC.A.S.

Место нахождения и фактический адрес: Турция, ESENSEHIR MAH.KURU SOK.28 3 UMRANIYE/ISTANBUL/TURKIYE

Код ТН ВЭД ТС 8413, серийный выпуск

соответствует требованиям

ТР ТС 010/2011 «О безопасности машин и оборудования», ТР ТС 004/2011 «О безопасности низковольтного оборудования», ТР ТС 020/2011 «Электромагнитная совместимость технических средств»

Декларация о соответствии принята на основании

Протоколов испытаний № 707-6-11/16 от 23.11.2016 года, № 708-6-11/16 от 23.11.2016 года, № 709-6-11/16 от 23.11.2016 года, Испытательная лаборатория Общества с ограниченной ответственностью "Центр сертификации и испытаний "Кварц" аттестат аккредитации № АС RU.04ЖИГ0.ИЛ00007 от 20.01.2016 года без срока действия

Дополнительная информация

Дата изготовления, срок службы, условия хранения указаны в прилагаемой к продукции товаросопроводительной документации и/или на упаковке и/или каждой единице продукции.

Декларация о соответствии действительна с даты регистрации по 23.11.2019 включительно



(Подпись)

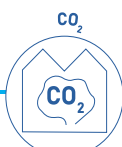
Бендеря Олеся Анатольевна

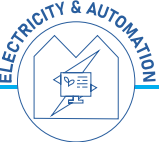
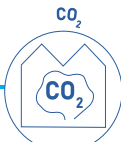
(инициалы и фамилия руководителя организации-заявителя или физического лица, зарегистрированного в качестве индивидуального предпринимателя)

Сведения о регистрации декларации о соответствии:

Регистрационный номер декларации о соответствии: ТС № RU Д-TR.АБ84.В.02410

Дата регистрации декларации о соответствии: 24.11.2016





Contact Information

HEAD OFFICE

Esenehir Mahallesi Kuru Sokak No: 28/3, 81230 Ümraniye, İstanbul, TÜRKİYE

+90 (216) 499 72 85 (Pbx)

+90 (216) 313 43 13 (Fax)

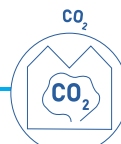
FACTORY

Zafer Mah. Yeni San. Sit. Yapı Koop. Şehit Yüzbaşı Kenter Cad. 1398 Ada 2-M Blok 7/8,
681230 Çorlu, Tekirdağ, TÜRKİYE

+90 (282) 692 58 58 (Pbx)

+90 (282) 673 59 01 (Fax)

timfog@timfog.com



**Çerkeşli Osb Mah. İmes 7.Cadde
No:3 Dilovası/Kocaeli**

+90 262 244 44 94