

#### CLEANING AND REPLACEMENT OF SPRAY NOZZLES

The perfect operation of the spray nozzles is an essential condition for the proper functioning of the EUROJET. Debris, residues and deposits can clog the nozzle, causing the failure of the entire system, leading to pressure loss, water leaks, irregular jet spray.



**WARNING!** THE FOLLOWING OPERATION MUST BE CARRIED OUT ONLY WHEN THE MACHINE IS SWITCHED OFF AND THE INTERNAL PRESSURE UNLOADED



#### CLEANING OF THE NOZZLE

If the nozzle is clogged, it is necessary to clean it by dismantling all parts of the nozzle and keep the head of it submerged in a scale preventer liquid for few minutes. Rinse with clean water and the mount the nozzles checking that the spray is even. Replace the nozzle polyethylene filter

#### REPLACE THE NOZZLE

If after have cleaned the nozzle the spray remain uneven the nit will be necessary replacement. The spray nozzle must be substituted with one identical to the one originally installed. Contact your service representative for any clarification.

#### PROHIBITED OPERATION - SAFETY



**WARNING!** - The following instructions must be strictly observed in order to prevent physical injury to the operator and irreparable damage to the machine. The execution of prohibited actions will void the warranty; The manufacturer declines all responsibility for any damage to property or persons resulting from the execution of prohibited operations.

- Do not stop water coming out of the high-pressure hose. This may cause the hose to burst, which is dangerous for the operator.
- Never reach with hands or tools, the air slits (e-fig.1) because the rotation of the fan inside can cause serious injuries.
- Do not use the supply cable or the connecting hoses to hold the Eurojet.
- Make sure that the Eurojet is not swinging during the functioning and when the fan stops
- The machine must not be left running unattended
- Do not use the machine in hazardous areas.
- Eurojet diffusers should only be used with Tecnocooling pumps.
- The machine can be used only with clean water: never draw water from sinkhole, ponds, etc., because impurities, even of minimum dimensions, may destroy the seals and cause irreparable damages to the pump and nozzles.
- It is prohibited to spray liquid products not approved by the manufacturer, they cause health hazard.
- Do not cover the Eurojet during the functioning.
- Do not repair the Eurojet when operating or powered up.
- Do not use the device in case of damages on the power supply cable, high pressure pipes or spraying systems- Any technical installation and subsequent maintenance dell'EUROJET must be carried out exclusively by qualified and experienced personnel. All maintenance must also be carried out only when the EUROJET is disconnected from the power supply and water connection.
- Do not carry out makeshift repairs on the power cable and prevent it from being damaged. In the case of damage, the entire cable must be replaced by the technical support service.
- Do not direct the misting jet against the machine or any powered components (cable, plugs, etc.). This can cause electrical damage and danger for the operator.
- Avoid using the device under the rain or in thunderstorms and whenever water or other liquids may come into contact with the appliance. Every electrical component must be protected against water splashes to avoid short-circuiting.
- Do not place or hold objects to the device.
- Do not obstruct the air slits of the fan (F-Fig.1)
- Never touch the device or electric plug or socket with wet hands.



#### PRECAUTIONS FOR USE OF HIGH-PRESSURE HOSE

- Use only pipes with Tecnocooling PA12 Mark dimensions: 9-52 diameter X 2.26.
- Check at the time of installation and every 15 days that there are no water leaks in the pipe connections and fittings.

#### DISPOSAL

To dispose of this product please contact your dealer.



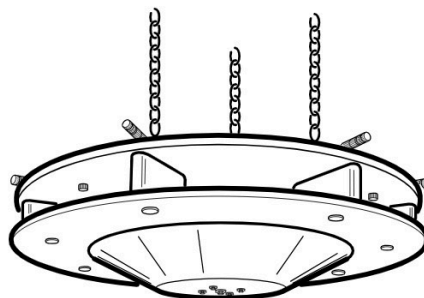
Note: This symbol is intended only to countries within the EU.

This symbol is compliance to the Directive 2002/96/EC, Article 10, users informations, and to Annex IV INDICATIONS FOR A SUITABLE WASTE TREATMENT  
Iron, Aluminum, Copper: are recyclable materials to be conferred to authorized collection point.  
Plastic materials: to be conferred in a landfill, incinerator or a special recycling center.

#### Radial misting fan

# EuroJet

User manual



**WARNING: READ CAREFULLY THE MANUAL TO WORK IN SAFETY**



Carefully read the instructions contained in this manual, as they provide important information about the safe installation, use and maintenance; become familiar with the equipment to be able to quickly turn off and unload the pressure. Carefully consult the cap. "Prohibited operation - Safety Requirements."

This manual is an integral and essential part of the product and must be delivered to the user in order to ensure the training information to the personnel will use the machine. The manufacturer is not liable for any damage caused to persons or property or to the machine, if it is used incorrectly with respect to the instructions given. Keep this booklet for future reference. At the delivery, check that the machine has not been damaged during transport. Any complaints can only be accepted in writing within 8 days from delivery date.

**tecnocooling**

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#### STANDARD EQUIPMENT

- Radial fan EUROJET
- Misting nozzles
- User manual

#### DESCRIPTION OF THE MACHINE

Radial fan, consists of a shaped body round aluminum alloy with air slits and stainless steel ring with misting nozzles.

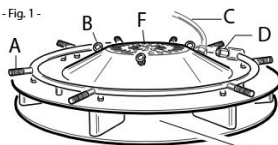
#### ENVISAGE CONDITIONS OF USE

The Device has been developed and manufactured for the use in gardens, parks, bars and restaurants, swimming pools, greenhouses, workshops, factories, farms, etc. for misting and outdoor cooling or humidity control applications.

#### OPERATING FEATURES

- Continuous service
- Maximum ambient temperature: ..... 50°C
- Minimum ambient temperature: ..... +1°C
- Maximum humidity: ..... 90%
- Sound pressure level (max): ..... 65 db(A)

- Fig. 1 -



#### GENERAL VIEW AND COMPONENT DESCRIPTION

- A - Misting nozzles
- B - Eyebolt attachment
- C - Power cable
- D - High pressure inlet connection
- E - Outlet air slits
- F - Inlet air slits

#### CARATTERISTICHE TECNICHE MODELLO EUROJET

- Max water pressure (bar/Psi): ..... 100 bar / 1450 Psi
- Working water pressure (bar/Psi): ..... 70 bar / 1000 Psi
- Flow rate (l/min): ..... 0.63 (ugelli 0.20)
- Motor power (W): ..... 55 Watt
- Voltage (V-Hz): ..... 230V - 50/60Hz
- Absorbed power (A): ..... 0.26
- Capacitor µF: ..... 1.5 - 450V
- RPM : ..... 1410

- Motor protection: ..... IP 44
- Insulating class: ..... F
- Weight (kg): ..... 17
- Dimensions Ø x H (cm): ..... 56 x 18
- Misting nozzles: ..... Nr. 8

Precisiamo che il rispetto rigoroso delle istruzioni che accompagnano i nostri materiali è condizione primaria per il loro uso in piena sicurezza. Decliniamo, pertanto, ogni responsabilità sui MODI IMPROPRI O ERRONEI di utilizzare le nostre apparecchiature. Per opportuna guida degli utenti diamo alcuni esempi di comportamenti rischiosi. Si prega di tener presente che l'EUROJET contiene dispositivi alimentati elettricamente e componenti ad alta pressione. Please note that strict compliance with the instructions that comes together devices is a primary condition for their use in complete safety. We therefore disclaim all responsibility for the IMPROPER OR INCORRECT use of our equipment. For a suitable guide for users we give some examples of risky behavior. Please note that the Eurojet contains electrically powered devices and high pressure components.

#### IMPROPER USE

Improper use of our machines means to use them in operations they were not made for. Improper uses therefore comprise:

- USE FOR NON-MISTING APPLICATIONS



- WARNING 1: NEVER USE WELL WATER. USE ONLY DRINKABLE AND PURE WATER.



#### INCORRECT USE

Incorrect use of our machines means to use them without complying with the operating and maintenance manual (see also section "Prohibited Operations"). Failure to comply with these instructions may cause injury to the operator and damage the machine. We shall now give some examples of incorrect use:

- WRONG CONNECTION/USE OF THE ACCESSORIES SUPPLIED
- WRONG SEQUENCE OF STEPS FOR COMMISSIONING
- FAILURE TO USE GENUINE SPARE PARTS
- MAINTENANCE WORK BY UNQUALIFIED PERSONNEL
- USES FOR WHICH THE MACHINE HAS NOT BEEN DESIGNED (see improper use)
- MAINTENANCE WORK NOT CARRIED OUT

#### PACKING - SHIPPING - HANDLING

Transportation or transfer takes place in corrugated cardboard packing, inside which the EUROJET is protected by two shells of polystyrene. Remove the Eurojet from the package as close as possible to the place of installation. Avoid shocks that could damage the internal parts.

#### INSTALLATION - USE

The EUROJET installation and maintenance should only be performed by qualified and experienced personnel, who will take all necessary security measures for the installation, assembly and subsequent maintenance.

- Remove the packaging

- Screw the 8 nozzles (A) on the designed holes as indicated in Fig. 2.

- Use only the three eyebolts (B-Fig.3) as an anchor point for chains (not supplied) to hang Eurojet the ceiling to a structure suitable to support him. (Fig. 3-B) Therefore, make sure that the chains themselves are adequately sized to support the Eurojet, (weight = 17 kg), and that the hooks of the ceiling are also adequate and well-established to hold, in maximum security, Eurojet. This must be suspended at 2.5m from the ground and at least 20cm from the point of suspension (Fig. 4). Please note that the 8 nozzles have a spray of 2.5m that has to avoid to hit walls or components on the trajectory of the spray to prevent dripping and condensation.

- Connect the high pressure pipe (T-Fig.5), polyamide 9.5 mm (not supplied) to the inlet fitting (Fig. 5-D). This pipe supply the water from the pumping unit.

- Connect the power cable to the power supply (Fig. 1-C), respectively: supply voltage 230 Vac 50-60 Hz single phase. Ground LN-3 cables to be connected to the respective terminals LN-PE of the network using a IP65 box (not supplied). The Eurojet must be connected to the main line by means of a switch with open contacts of the all conductors at least 3 mm.

NOTE: The power cables shall be in accordance with local regulations. The electrical safety of this appliance is only guaranteed when correctly connected to an efficient earthing system and there is a device for automatic disconnection of supply with features to ensure a non-contact voltage greater than 25V. Use a circuit breaker with a sensitivity <= 30 mA in Class A.

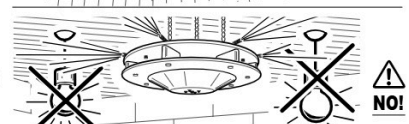
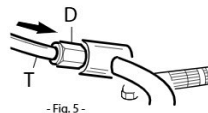
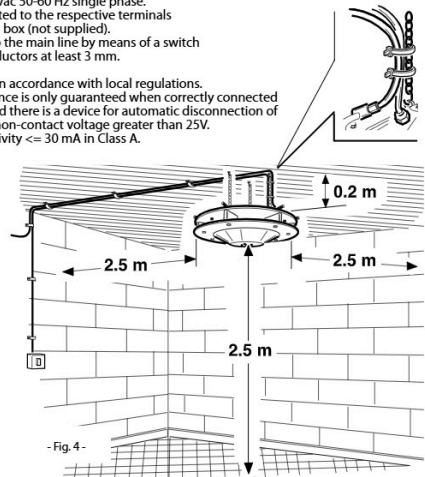
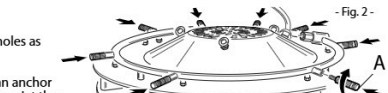
- Fix to the wall properly both the power cord (C) and the water hose (T) so that they do not have to dangle freely avoiding to cause hindrance or danger.

#### STARTING PHASE

Powering the Eurojet through the switch. Wait about 5-10 seconds before start the fog unit.

#### STOPPING PHASE

Switch off the fog unit. Switch off the Eurojet disconnecting the power supply.



DECLARATION OF CONFORMITY

**Tecno.Mec Srl**

Divisione



Sede legale e amministrativa:

Via Canale, 114 - Loc. Villalunga - 42013 CASALGRANDE (RE) - ITALIA

Dichiara, sotto la propria esclusiva responsabilità, che la macchina

Declares, under its exclusive responsibility, that the machine

Identificazione del prodotto Product identification	Gruppo Motopompa Motor-pump group
Funzione Function	Pompa nebulizzatrice per raffreddamento esterno /interno, abbattimento polveri, controllo umidità, controllo odori, disinfezione, pre-cooling Misting pump for outdoor / indoor cooling, dust suppression, humidity control, odor control, disinfection, pre-cocoling
Modello Model	<b>EUROJET</b>
Tipo Type	<b>MISTING FAN</b>

is in conformity with the provisions of the *directive*

**Direttive CE pertinenti**

**Harmonized standards**

2004/108/CE

**Tecno.Mec Srl**

Amministratore - Direttore generale

(MELIGA PIETRO)

Il fascicolo Tecnico è custodito presso  
The technical booklet is stored at

Persona Incaricata  
Person responsible

Tecno.Mec srl via Canale, 114- 42014- Casalgrande (RE)

Stefano Meliga