

Use and maintenance manual

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WATERING DEVICE WOLF PRO



DEVICE PARTS ILLUSTRATION

SWITCH

THREE PIN PLUG

WATERING
VALVE



Fig.1

Fig.2

Fig.3



FILTER

Fig.4

Fig.5

CONTROL
DISPLAY

PUMP

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1. WARRANTY

Verify on delivery that the machine and the accessories are integral and complete.

Any claims will be submitted in written form within eight days of receipt.

WARRANTY EXPIRATION

The warranty expires if the instructions described in this manual are not followed.

2. INTRODUCTION

This manual describes the use and maintenance regulations.

It is **recommended to observe what described in this manual** since a regular functioning comes from a correct use and maintenance.

A use not in compliance with the instructions here given may cause inconveniences and endanger the correct functioning and its duration.

The Manufacturer Company shall decline all liability due to negligence and non-compliance of these instructions.

In the event of a dispute, the reference text remaining valid is the Italian one.

Any dispute will be within the jurisdiction of the Law Courts of Bologna.

3.PRECAUTIONS

- Do not submit the equipment to water jets
- Do not use solvents or petrols to clean the display external parts
- Respect the foreseen voltage power supply (12Vdc) (Max 19 Amps)
- Respect the water maximum pressure 3 bar.
- In the event of arc welding, be sure that the device power supply is disconnected, possibly disconnect the power cables
- Use exclusively original accessories or spare parts Checci & Magli
- Do not tamper with the system
- Before connecting the plugs, check the correct cables/fittings polarity

4.DISPLAY FUNCTIONING



4-ON/OFF UNIT 1/2
4-ON/OFF UNIT 3/4

3-ON/OFF SINGLE
UNIT' 1/4

1-ON/OFF
MAIN

2-PRESSURE
REGULATOR



- 1- By enabling the switch 1, the main electric system (excepted pump) turns on/off
It is used at the end of work before disconnecting the three pin plug and when the headland is reached for the manoeuvring phases and the micro switch remains enabled by the cup.
Through this switch the devices of all units turn off, avoiding the water leakage.
- 2- By enabling the switch 2, the water pressure increases/decreases and therefore the amount of water supplied too.
If the maximum pressure of 3 bar is exceeded (43.5 psi), the needle oscillates until the pressure does not return to the maximum allowed value.
- 3- By enabling the switch 3, the electric system turns on/off for each individual unit, from 1 to 4 in an independent way (excepted pump)
- 4- By enabling the switch 4, the electric system turns on/off into 3 variables:
towards the left on/off for units 1-2;
towards the right on/off for units 3-4;
at the center for units 1-2-3-4;
- 5- As regards the connection of the connectors for wiring, refer to the labels present on the cables:
 - 1-2-3-4 - Relative connection to unit
 - P - Proportional valve (to be used)
 - M - Main valve (not to be used)

5.INSTALLATION



Fig.6

A

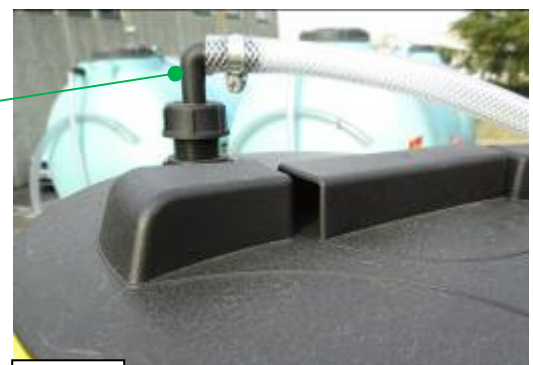
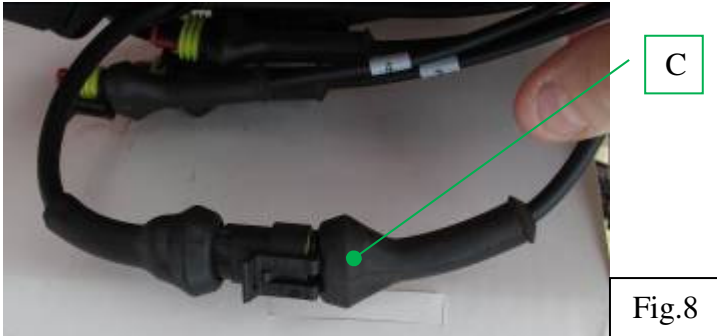


Fig.7

B



- 1- Check that the collectors “A” of each individual unit are connected as shown in fig.6
 - 2- Check that the junction “B” is connected as shown in fig.7
 - 3- Check that the connections “C” of the units are connected to the display cable connections as shown in the fig.8
 - 4- Connect the machine to the tractor
 - 5- Fill the water tank which will supply the watering
 - 6- Connect the three pin plug to the tractor, in this way the system will be enabled (Always check that all the electric connections are well tight and keep attention to not reverse the polarities)
- WARNING:**
Any tampering with the system and/or electric connection other than what indicated, shall void the system guarantee
- 7- Adjust the water pressure acting on the switch 2 indicated in fig.1 (the pressure is displayed on the pressure gauge fig.2)
 - 8- Check that the main on/off switch and the on/off switches of the units used are turned on (see display functioning).
 - 9- At this point the transplantation can be started, the device is active.

6.COMMISSIONING

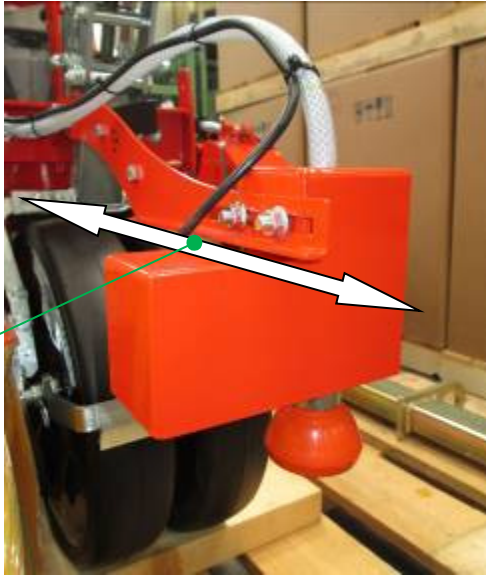
- 1- Enable the watering device
- 2- Perform the transplantation of 3-4 small plants and check if the water jet falls properly on the small plant
- 3- To anticipate or delay the water falling, rotate the support “D”, then perfect the water fall precision moving the valve “E”
- 4- To regulate the amount of water, increase or decrease the pressure indicated on the pressure gauge “F” acting on the switch 2-pressure regulator (see display functioning)



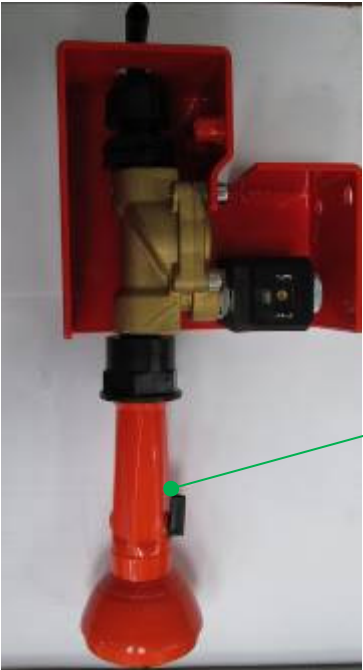
F

E

D



7.ACCESSORIES



G

H



Together with the device, the nozzles “G” and “F” will be supplied

- 1- G creates a circular jet used on bare soil.
- 2- H creates a much smaller jet on plastic film since the plastic film requires more precision.

8.MAINTENANCE

Clean every day the water tank and the system filter



9.SEASONAL STOPS

At the end of the season or if a stop of one or more months is foreseen, it is recommended to wash the equipment, in particular from possible fertilisers or chemical products and dry it.

Check and possibly replace damaged or worn parts.

Perform an accurate greasing and protect the equipment with a cloth, putting it in a dry environment.

Apply a light lubricant coat on the parts not protected by galvanization or paint.

10.DISPOSAL

The device consists of ferrous material, rubber and plastic.

At the end of the operating cycle, it has to be scrapped at the respective authorized disposal companies.

11-SPARE PARTS

The orders of the spare parts have to be preferably transmitted by means of the Dealer and accompanied by the following indications:

model type and serial number indicated on the applied plate;
code number and description detected from the *spare parts catalogue*;
amount requested.

The shipping is performed according to the client's requests, without them it will occur with the most suitable mean;
the right or left term must be read by looking at the machine from the rear side.

12.DECLARATION OF CONFORMITY

The company **Checchi & Magli s.r.l**

Via Guizzardi n°38

40054 – Budrio (Bologna) – ITALY

Declares under its own responsibility that **the electric watering device** complies with the Essential Health and Safety Requirements provided for in Directive 2006/42/EC.

More specifically, the following regulations have been followed:

UNI EN ISO 12100-1, UNI EN ISO 12100-2 e UNI EN 13857 relative to the machinery safety

Budrio

Checchi & Magli s.r.l

Legal representative

Nerio Checchi