

Irrigation unit type I

Short manual and instructions (UK)

series: I-250

1 Introduction

1.1

This manual contains important information for a correct usage of the irrigation unit type I-250. It is crucial to follow instructions for a long-life and reliable product. Please read and follow this manual. For any further instructions or questions, please feel free to contact us.

1.2 Symbols

The following symbols are used



WARNING

Electronic danger. Norm IEC 417 - 5036.



WARNING

Procedures when not conducted the right way may cause damage. General guidance ISO 7000-0434.



REMARK

Safety instructions.






ENVIRONMENT

Related to the environment.

1.3 Identification

The identification sticker explain the model, type, production number, production date and order number.

  				
	Art. Nr:		Ord. Nr:	
	Prod. Nr:			

1.4 Warranty

The warranty starts on the date of activation. The standard warranty is 24 months. Parts that are subject to wear are not under the warranty. De warranty is void when the unit is changed, repaired by others or with other parts, abused and/or misused. Defects are handled under warranty when they are caused by a defect in the unit within the warranty period.

2 Introduction

3.1 Right usages

The irrigation units type I-250 are used for distributing irrigation water within the specified range and capacity. The unit is optionally used to prevent backflow of water to the main water network. Other usage is not according to the right usage. HBWT accepts no responsibility for damage or hurt. The unit is produced according to the applicable norms and guidelines. Only use the unit when it is technically in order. When In doubt, do not use the unit and contact us.

3.2 Range

<i>Type</i>	<i>Maximum inlet pressure</i>	<i>Maximum flow m3/h</i>
I-250	6 BAR	1,0 m3/h/group at 2,5BAR

3.3 Operation

When the irrigation computer is activated and a valve is opened, water is distributed through the unit and the magnetic valve number that is opened. When irrigation computer is de-activated, the magnetic valve will close and water flow will stop.

Type I:

Surrounding temperature [°C] +4 tot 40

Water temperature [°C] +4 tot 40

Maximum pressure [BAR] 6

Minimum delivery pressure [BAR] 1.5

type / range

Irrigation unit for roofgardens, vertical gardens and planters.

4 Transport

4.1 Transport



WARNING: Follow regulations for transport and lifting. Do not damage the unit. Protect from frost.

5 Installation

5.1 Installing the unit

Place the unit on a wall and:

- Connect the water delivery pipe to the water inlet (max 6 BAR).
- Connect the main pipes from the irrigation groups (outgoing groups).

To reduce noise:

- Fixate the pipes
- Make sure the water delivery pipe gives clean water or use a pre-filter
- Reduce tension on pipes
- Use pipes with the right diameter.

**REMARK**

Use a manual valve in the main pipes to prevent emptying the entire pipe with service.

5.2 Electrical installation

Connections

- Make sure that the electrical installation is in correspondence with the irrigation unit.
- Connect the unit with the electric plug in an available outlet.
- Close the casing after installation.

5.3 Putting into service

**WARNING**

The Irrigation Unit may not run without water!

Unit demands:**Space**

- Clean, dry, dust free, frost free en well lit.
- Surface must be clean and well measured, so that the unit is reachable for service.
- The height of the room must meet the minimum demand for the unit.
- The setup must be so that free flowing water or leakage water can be drained without trouble.

Foundation

- The system best be mounted on a wall.
- De surface must be flat.
- The foundation must support the unit.

To put the unit in service:

- 1 Activate the water supply
- 2 Check if there is no leakage to the water supply connection
- 3 Plug the electric plug into the available outlet.
- 4 Program and activate the irrigation computer according to the manual.
- 5 Check the active unit so it is leak free and working properly.

6 Control and usage

6.1 Control

The irrigation unit is controlled by the irrigation computer. For controlling the computer please refer to the according manual.

6.3 Usage I-250



WARNING

The temperature of the water may not be higher than 35 degrees Celcius.



WARNING

Do not use with salt water, water with oil or other pollution.

7 Maintenance

7.1 Intro



WARNING

Please respect general maintenance line for water systems

7.2 Maintenance

Regular maintenance improves lifespan. Check and clean the filter, valves and other parts on a regular basis, depending on water quality the interval may vary (at least once a year)!

8 Attachments

8.1 Technical data

<i>Type</i>	<i>kW</i>	<i>Voltage</i>
I-250	0,05	230/110volt

8.2 State of conformity

According to NEN-EN-10204

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