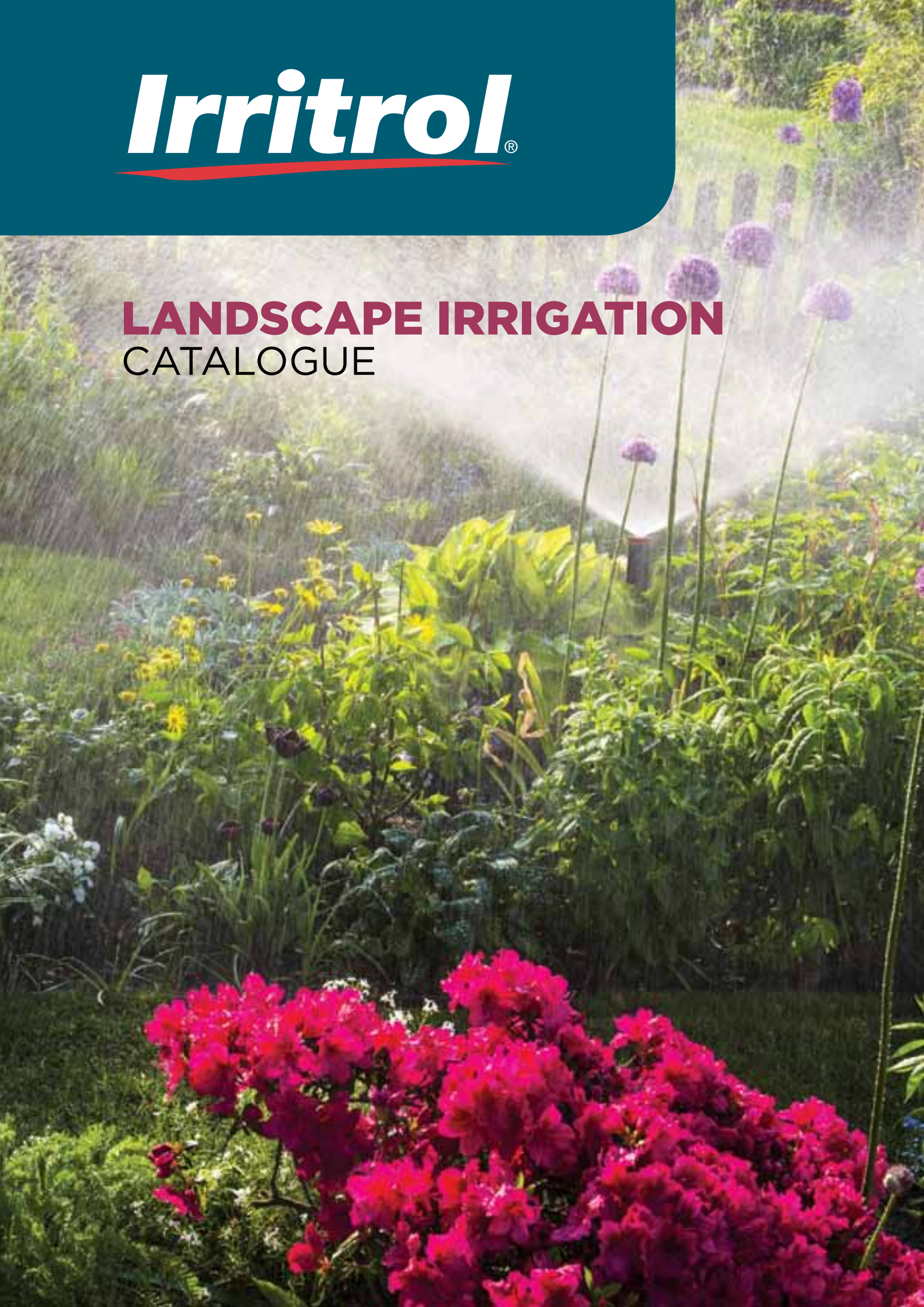


The image features a dark teal header at the top left containing the Irritrol logo. The background is a lush garden scene with various plants, including purple alliums, yellow daisies, and a large cluster of bright pink flowers in the foreground. A misty spray of water is visible in the middle ground, suggesting an active irrigation system.

Irritrol[®]

LANDSCAPE IRRIGATION CATALOGUE

Welcome to Irritrol's world...



For over 50 years Irritrol has been operating in the irrigation sector with cutting edge products: our company has always offered a broad range of products suitable for fulfilling the increasingly demanding requests of our customers, in terms of innovation and respect for the environment. Control units, valves, static and dynamic sprayheads, nozzles, various accessories and software for designing an entire irrigation system... everything you need for a high quality irrigation system.

Plus, this year our commitment has focused on the development of products that are able to exploit technological innovations and at the same time guarantee high water savings: for the best care of your garden and your plants, you need the best products, products that allow you to irrigate wherever you are, on holidays, at the office or simply from the comfort of your own living room...

This is why, this year Irritrol presents **LIFE™**: a revolutionary range of control units that allow you to be in true control of your garden and, at the same time, have more time for yourself and enjoy life!

For example, the new battery-powered **LIFE™ DC** exploits Bluetooth technology for easy programming from your device (smartphone, tablet, etc.).

On the other hand, the other electrically-powered control units in the **LIFE™** range (**LIFE™** and **LIFE™ PLUS**) are based on modularity: **LIFE™** is the only control unit on the market with this option which allows you to use just 1 programming module for the various versions (Basic/Plus) and for various irrigation systems (indoor and outdoor).

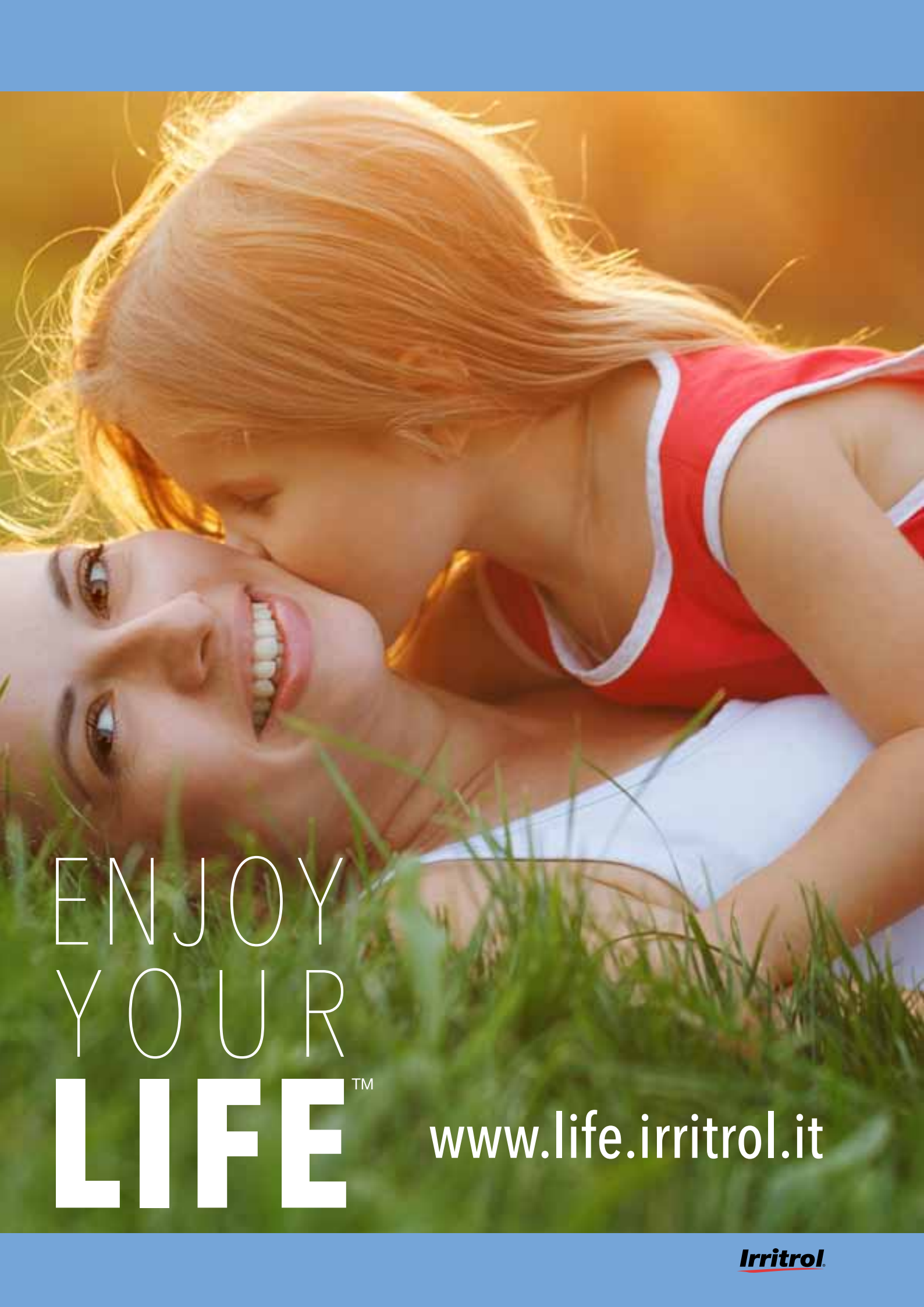
Plus, thanks to new technologies, the Irritrol **LIFE™ Plus** control unit can be programmed from anywhere: imagine being on holidays, or away for work or simply for a day away with friends... thanks to the new control unit, you can conveniently download the brand new Irritrol App and control your irrigation system from wherever you are.

So browse our catalogue and check out all of our fantastic products and... **Enjoy your Life!!!**



New Products





ENJOY
YOUR
LIFETM

www.life.irritrol.it

Irritrol

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CONTROLLERS

Comparison Table

	Life DC	Electronic Tap Timer	New Tap Timer	Junior DC	Life	Life PLUS	Junior Max	Rain Dial	Total Control	MC-E
Pages n°	8	10	11	12	14	16	20	22	24	26
Battery power	✓	✓	✓	✓						
Current power supply					✓	✓	✓	✓	✓	✓
Stations number	1,2,4	1	1	1,2,4	4,6,8	da 4 a 16	2,4,6,8	6,9,12	6,9,12,15,18,24,36,48	18,24,36,48
Indipendent programs	4	8	1	2	2	4	3	3	4	8
Start times per program	3	1	24	3	3	6	3	3	16	8
Indoor model					✓	✓	✓	✓		
Outdoor model	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Water Budget	✓			✓	✓	✓	✓	✓	✓	✓
Applications:										
Terraces and balconies	●	●	●	●	●	●				
Small size gardens	●			●	●	●	●			
Medium size gardens					●	●	●	●		
Big size gardens						●			●	●

Life™ DC



- 1,2,4 stations (IP68)
- 4 independent programs
- 3 start times per program
- Water budget from 0% to 200%
- Bluetooth connectivity

The new battery-powered Life DC controller allows you to irrigate your garden even where there is no electric power source, being able to install it directly in the valve box thanks to the IP68 water-resistant coating. Programming is quick and simple thanks to the Bluetooth connection that allows you to manage the controller from your own device through the Life DC App.

Thanks to the Bluetooth technology you will control the new LIFE™ DC simply from your smartphone

Features

- Watering time: from 1 min to 8 hours (1 minute increase)
- Flexible irrigation programming:
 - Daily
 - Weekly
 - Irrigation on even and odd days
 - Irrigation at 1 to 31 day intervals
- Stacking program
- Automatic, semi-automatic and manual start
- Permanent memory
- Rain delay function from 1 to 15 days or permanent



Additional Features

- Compatible with Irritrol DCL latching solenoid
- Permanent programs retention in memory in case of battery replacement
- Internal clock maintained in case of power failure

Specifications

- Rated IP68, 100% waterproof
- UV resistant plastics
- 9V battery
- Output 9 VDC latching
- Operating temperature: -10°C + 50°C
- Maximum distance of 300 m between mcontroller and DCL latching solenoid (cable section 0,75mm2)*

Download the new App Life DC, create your account and connect to the controller thanks to the Bluetooth connectivity!

Dimensions

- Height: 12,0 cm
- Width: 11,5 cm
- Depth: 5 cm

Options

- Rain Sensors connection

Codification

Code	Description
LIFE-1-DC	Life DC, battery-powered controller, 1 station with Bluetooth
LIFE-2-DC	Life DC, battery-powered controller, 2 stations with Bluetooth
LIFE-4-DC	Life DC, battery-powered controller, 4 stations with Bluetooth
DCL	Irritrol latching solenoid 9-12 VDC

Electronic Tap Timer



- 1 station
- 8 independent programs
- 1 start per program
- $\frac{3}{4}$ " threaded female connection

Electronic Tap Timer, the Irritrol battery-powered single-station control unit with a built-in solenoid valve, very simple to use. Connectable to a normal tap, it can be installed on any terrace or balcony without needing any special materials or equipment. It is also equipped with a cover to protect the display and a gasket for the battery for protection against atmospheric agents. The programming is simple and quick, also providing the possibility of managing the irrigation manually or automatically.



Features

- Watering time from 1 minute to 23 hours and 59 minutes
- Irrigation programming: weekly or alternate days (from 1 to 30)
- Flat battery indicator
- Key to cancel the program
- Manual or automatic start

Specifications

- Power supply: one 9V alkaline battery
- Operating temperature: from 5°C to 38°C
- Recommended water pressure: from 1,4 to 6,9 bar
- Max operating pressure: 10 bar (with higher pressures use a pressure reducer from the tap)

Codification

Code	Description
IT-ETT	Electronic Tap Timer, battery-powered single-station electronic controller with built-in solenoid valve

New Tap Timer



- 1 station
- 1 program
- 24 starts per program
- $\frac{3}{4}$ " threaded female connection



The new Tap Timer by Irritrol is a battery-powered, single-station electromechanical controller with built-in solenoid valve and comes in a new and compact design. The solenoid valve allows accurate and reliable irrigation making it perfect for small gardens and terraces.

Programming is easy and fast as irrigation can be managed based on two parameters: irrigation frequency and duration. There is also a model with a rain sensor connection for even greater irrigation flexibility and accuracy.

Specifications

- Power supply: one 9V alkaline battery
- Latching solenoid valve
- Valve flow rate: 20 – 1140 l/h (at approx. 2,0 bar)
- Recommended water pressure from 1,0 to 8,0 bar

Features

- Watering time from 0 to 120 minutes
- Irrigation programming from 1 hour to 1 week
- Flat battery indicator
- Program start delay up to 12 hours

Options

- Rain sensor connection

Codification

Code	Description
IT-NTT	New Tap Timer - a single-station electromechanical controller with 9V battery and $\frac{3}{4}$ " female threaded coupling
IT-NTT-R	New Tap Timer - a single-station electromechanical controller with 9V battery and $\frac{3}{4}$ " female threaded coupling with rain sensor connection

Junior DC



- 1,2,4 stations
- 2 independent programs
- 3 starts per program
- Water Budget: from 10% to 200%

The electronic battery-powered Junior DC controller can be installed in a valve box or mounted on a wall thanks to the IP68 box. This small control unit, which can be directly connected to a valve, allows up to four stations to be managed with three start times per each of the two programs, therefore guaranteeing remarkable flexibility and accuracy in your irrigation, also through the possibility to connect a wired rain sensor.



Features

- Watering time from 1 minute to 599 minutes (10 hours), with 1 minute increases
- Irrigation programming: 7 calendar days or at intervals of 1 to 14 days
- Flat battery indicator
- Program cancellation possibility
- Stacking Program
- Rain delay function
- Cover for display protection

Additional Features

- Water-resistant IP68 box
- Use with Irritrol DCL 9 Volt solenoid

Specifications

- Power supply: one 9V alkaline battery
- One 9-12 V outlet for Irritrol Latching DCL solenoid
- Operation with latching solenoid valves 9-12V, two 2 or 3 way wires

Dimensions

- Height: 14 cm
- Width: 8,5 cm
- Depth: 7,6 cm

Options

- Rain sensor connection



Maximum distance between Junior DC and Irritrol DCL latching solenoid

Cable section (mm ²)	Max distance (m)
0,5	100
1,0	200
1,5	300

Codification

Code	Description
JRDC-1-R	Junior DC, battery-powered electronic controller, 1 station, without solenoid
JRDC-2-R	Junior DC, battery-powered electronic controller, 2 stations, without solenoid
JRDC-4-R	Junior DC, battery-powered electronic controller, 4 stations, without solenoid
JRDC-1-2400MT	Junior DC, battery-powered electronic controller, 1 station, with DCL solenoid and 2400 MT valve
JRDC-1-25003	Junior DC, battery-powered electronic controller, 1 station, with DCL solenoid and Euro F" FC valve
DCL	Irritrol latching solenoid 9-12 VDC



- 4,6,8 Stations (Indoor/Outdoor)
- 2 Independent programs
- 3 start times per program
- Water budget from 0% to 200%
- Local Wi-Fi (optional)

The innovative Life controller can be programmed from the comfort of your own living room thanks to the possibility of detaching the programming module from the base, or if you add the optional local Wi-Fi module, also from your electronic device through the Life App. Life is the first controller that can be installed inside your apartment and become a decorative element thanks to its colours and elegant and modern design.



With the new Local Wi-Fi module (in option) it is possible to program and to control the controller from your smartphone thanks to the new Life App.

Features

- Watering time: from 1 min to 8 hours (1 minute increase)

- Flexible irrigation programming:
 - Daily
 - Weekly
 - Irrigation on even and odd days
 - Irrigation at 1 to 30 day intervals

- Stacking Program

- Rain delay programmable up to 31 days or “permanent”

- Permanent Memory

- The “Super Cap” option provides back up power for maintaining the current time and date in the event of a power cut for more than 24 hours (without needing batteries)

- Test program for all the stations

- Rain sensor activation through switch

- Help button will help you in programming by explaining what to do: the instruction manual will become superfluous

- Multilingual display (Italian, English, French, Spanish, German)

- CE Certified

Additional Features

- 1 Programming module can be used for the various versions (indoor/outdoor; 4-6-8 stations)
- Arm chair programming: you can comfortably program LIFE™ on your sofa (removing the programming module from the back module)
- No batteries



**EASY AND INTUITIVE
PROGRAMMING**
The symbols are easy to identify.

Specifications

- Input power:
– 220 VAC, 50Hz
- Output power:
– Max per station: 24 VAC (0,25 A)
– Max tot (including Master Valve):
24 VAC (0,625 A)
- Operating Temperature: from -10° to 60°

Dimensions

- Height: 14 cm
- Width: 18,6 cm
- Depth: 6,7 cm

Options

- Local Wi-Fi Ready

Codification

Code	Description
LIFE-4	Life 4 stations controller with external transformer 220 VAC
LIFE-6	Life 6 stations controller with external transformer 220 VAC
LIFE-8	Life 8 stations controller with external transformer 220 VAC
LIFE-4-EXT	Life 4 stations controller with internal transformer 220 VAC
LIFE-6-EXT	Life 6 stations controller with internal transformer 220 VAC
LIFE-8-EXT	Life 8 stations controller with internal transformer 220 VAC
LIFE-MOD	Life Programming Module
LIFE-B-4	Life back module 4 stations, with external transformer 220 VAC
LIFE-B-6	Life back module 6 stations, with external transformer 220 VAC
LIFE-B-8	Life back module 8 stations, with external transformer 220 VAC
LIFE-B-4-EXT	Life back module 4 stations, with internal transformer 220 VAC
LIFE-B-6-EXT	Life back module 6 stations, with internal transformer 220 VAC
LIFE-B-8-EXT	Life back module 8 stations, with internal transformer 220 VAC
LIFE WF	Local Wi-Fi Module for Life

Life™ PLUS



From 4 to 16 stations, base of 4 stations with expanding module of 4 stations each (indoor and outdoor)

4 independent programs

6 start times per program

Water budget from 0% to 200%

IOT Wi-Fi Module (optional)

The evolution of the Life base is the modular Plus version; with a single programming module you can manage up to 16 stations. With Life Plus it is also possible to control and programme the irrigation of your garden anytime and anywhere, adding the optional Wi-Fi internet module and downloading the Life App on your cell phone.

Features

Flexible irrigation programming:

- Daily
- Weekly
- Irrigation on even and odd days
- Irrigation at 1 to 30 day intervals

Rain delay programmable up to 31 days or “permanent”

Automatic, semi-automatic and manual start

Permanent Memory: The “Super Cap” option provides back up power for maintaining the current time and date in the event of a power cut for more than 24 hours (without needing batteries)

Programmable rain delay between stations (from 1 sec to 8 min)

Staking program

“Help” button

Multilingual display (Italian, English, French, Spanish, German)

CE Certified

Additional Features

One of the 4 programs can be set up as loop program

Possibility to work in m:h or s:m (up to 8 min)

Sensors may be managed in 5 different modes (Off, start, stop, skip, hold)

Hydraulic test capability

Electrical test capability

Specifications

Input power: 220 VAC, 50Hz

Output power:

- Max per station 24 VAC (0,25 A)
- Max tot (including Master Valve): 24 VAC (0,625 A)

Operating Temperature: from -10° to 60°C

Options

IOT Wi-Fi Ready

Expanding module 4 stations

Thanks to the optional IOT Wi-Fi module, you will always be connected to your irrigation system at any time and wherever you are!



Codification

Code	Description
LIFE-P	Life Plus 4 stations controller, with external transformer 220 VAC
LIFE-P-EXT	Life Plus, 4 stations controller with internal transformer 220 VAC
LIFE-P-SM	Station expanding module 4 stations
LIFE-MOD	Life Programming Module
LIFE-P-B	Back module 4 stations, with external transformer 220 VAC
LIFE-P-B-EXT	Back module 4 stations, with internal transformer 220 VAC
LIFE-P-WF	IOT Wi-Fi Module for Life Plus



Junior Max

- 2,4,6,8 stations
- 3 independent programs
- 3 starts per program
- Water Budget: from 0% to 200%

The Junior Max control unit combines simplicity with reliability and can therefore be used by non-specialist people for watering small, medium gardens or small, medium green areas. In fact, it is equipped with self-guided LED displayed programming, which helps the user through the different programming procedures.



Features

- Watering time from 1 to 240 minutes
- Flexible irrigation programming:
 - Weekly irrigation
 - Irrigation on even and odd days (excluding the 31st day of the month)
 - Irrigation at 1 to 14 day intervals
 - 365-day calendar
- Battery charge indication in real time
- Program cancellation possibility
- Rain delay function up to 7 days
- Manual start per program or per station
- Master valve command per program
- Pre-set program in the event of power cut
- Permanent memory up to 5 years
- Key locking outdoor cabinet
- Multilingual display
- CE Certified

Additional Features

- Standard start for programs A and B, whereas program C offers the chance to have a "Loop*" or another start
- Self-guided programming LED displayed, to help the user through the different irrigation planning procedures
- Easy programming wherever you are (thanks to the batteries no electricity is needed for the programming stage)

* Very useful program during germination

Specifications

- Input power:
 - 220 VCA, 50/60 Hz (0,5 Amp)
- Output power:
 - Max per station: 24 VCA (0,25 Amp)
 - Max total (including pump control): 24 VCA (0,5 Amp)
- Restorable electronic fuse

Dimensions

- Indoor model:**
 - Height: 11,3 cm
 - Width: 13,5 cm
 - Depth: 4,0 cm
- Outdoor model:**
 - Height: 19,4 cm
 - Width: 16,8 cm
 - Depth: 8,9 cm

Options

- Rain sensor connection

Codification

Code	Description
JRMAX-2-220	Junior Max, 2-station controller, with external transformer 220 VAC
JRMAX-4-220	Junior Max, 4-station controller, with external transformer 220 VAC
JRMAX-6-220	Junior Max, 6-station controller, with external transformer 220 VAC
JRMAX-8-220	Junior Max, 8-station controller, with external transformer 220 VAC
JRMAX-2-220-EXT	Junior Max, 2-station controller, with built-in transformer 220 VAC
JRMAX-4-220-EXT	Junior Max, 4-station controller, with built-in transformer 220 VAC
JRMAX-6-220-EXT	Junior Max, 6-station controller, with built-in transformer 220 VAC
JRMAX-8-220-EXT	Junior Max, 8-station controller, with built-in transformer 220 VAC



Rain Dial

- 6, 9, 12 stations
- 3 independent programs
- 3 starts per program
- Water Budget: from 0% to 200%

The electronic control unit Rain Dial was created for quick, flexible setting of irrigation in parks and gardens of medium sizes. Thanks to the removable panel, it can be set anywhere and through its many programming possibilities, it is one of the most complete Irritrol control units, which can be used in different situations.



Features

Watering time from 1 minute to 359 minutes (5,9 hours), with 1 minute increases per station

Flexible irrigation programming:

- Daily irrigation (up to 3 starts at day)
- Weekly irrigation
- Irrigation on even and odd days (excluding the 31st day of the month)
- Irrigation at 1 to 15 day intervals
- Day exclusion option: possibility to choose the day or specific days when not to irrigate
- 365-day calendar

Possibility to cancel a program

Stacking Program

Rain delay function up to maximum 9 days

Automatic, semi-automatic and manual start per station or per program

Pump/master valve command per station

Permanent memory

Test program for all the stations

Delay option between 2 stations: possibility to set an adjustable interval from 1 second to 2 hours between one station and the next (facilitates the operation of the slow closing valves or well water recovery)

Activation and deactivation of the pump/master valve also during the delay between 2 stations

Diagnostic switch to identify the stations with excessive energy consumption, highlight them and stop them (they are automatically bypassed and highlighted on the display)

Key locking outdoor cabinet

Multilingual display

CE Certified

Additional Features

- Program start time removal option at four time intervals:
11:59 p.m./12:00 a.m.;
11:59 a.m./12:00 p.m.;
5:59 a.m./6:00 a.m.
and 5:59 p.m./6:00 p.m.
- Pre-set default setting reset

Specifications

- Input power:
 - Indoor model: 24 VAC, 50 Hz (0,5 A) (from plug-in transformer)
 - Outdoor model: 220 VAC, 50Hz (0,5 A)
- Output power for both models:
 - Max per station: 24 VAC (0,5 A)
 - Max total (including pump control): 24 VAC max (1,25 A)
 - Slow action 2 A fuse
 - 9 volt alkaline battery (not included)
 - Operating temperature: from 0° to 60° C

Dimensions

- Indoor model:**
 - Height: 46,3 cm
 - Width: 17,8 cm
 - Depth: 21,0 cm
- Outdoor model:**
 - Height: 46,3 cm
 - Width: 65,8 cm
 - Depth: 10,2 cm

Options

- Rain sensor connection
- Climate Logic



Codification

Code	Description
RD600-INT-LT	Rain Dial, 6-station controller, with external transformer 220 VAC
RD900-INT-LT	Rain Dial, 9-station controller, with external transformer 220 VAC
RD1200-INT-LT	Rain Dial, 12-station controller, with external transformer 220 VAC
RD600-EX-50H	Rain Dial, 6-station controller, with built-in transformer 220 VAC
RD900-EX-50H	Rain Dial, 9-station controller, with built-in transformer 220 VAC
RD1200-EX-50H	Rain Dial, 12-station control unit, with built-in transformer 220 VAC
RD-6MOD-R	Module for Rain Dial - 6 stations
RD-9MOD-R	Module for Rain Dial - 9 stations
RD-12MOD-R	Module for Rain Dial - 12 stations

Total Control



- 6, 9, 12, 15, 18, 24, 36, 48 stations
- 4 independent programs
- 4 starts per program
- Water Budget: from 0% to 200%

Total Control is the Irritrol controller designed for the irrigation of large gardens and parks, which can manage up to 48 stations. Its flexibility enables to program up to 16 daily start times; and thanks to the large display and central dial the programming is simple and quick even for systems with a lots of stations.



Features

- Watering time from 1 minute to 600 minutes (10 hours), with 1 minute increases
- Flexible irrigation programming:
 - Daily irrigation (up to 16 starts per day)
 - Weekly irrigation
 - Irrigation on even and odd days (excluding the 31st day of the month)
 - Irrigation at 1 to 30 day intervals
 - 365-day calendar
- Possibility to cancel a program
- Stacking Program
- Rain interruption function up to maximum 7 days
- Automatic, semi-automatic and manual start
- Pump/master valve command per program
- Permanent memory up to 8 years
- Automatic program for electronic protection*
- Off switch to interrupt irrigation keeping the program on for a programmable period of 1 to 7 days
- Rain sensor activation through switch
- Key locking outdoor cabinet
- Multilingual display
- CE certified

* Identifies the valve in short circuit and removes it from the program



Additional Features

- Clock moves on in the event of power cut up to 90 days
- Metal box with lock for versions with 36 to 48 stations

Specifications

- Input power:
 - 220 VAC, 50Hz (0,5 A)
- Output power:
 - Max per station: 24 VAC, 50 Hz (0,5 A)
 - Max total (including pump control): 24 VAC, 50 Hz (1,25 A)
- Slow action 2 A, 250 Volt fuse
- 9 volt alkaline battery (not included)
- Operating temperature: from 0° to 60° C

Dimensions

- Height: 21,3 cm
- Width: 26,7 cm
- Depth: 12,7 cm

Options

- Rain sensor connection
- Climate Logic

Codification

Code	Description
TC-6EX-R-50H	Total Control, 6 station controller, built-in transformer 220 VAC
TC-9EX-R-50H	Total Control, 9 station controller, built-in transformer 220 VAC
TC-12EX-R-50H	Total Control, 12 station controller, built-in transformer 220 VAC
TC-15EX-R-50H	Total Control, 15 station controller, built-in transformer 220 VAC
TC-18EX-R-50H	Total Control, 18 station controller, built-in transformer 220 VAC
TC-24EX-R-50H	Total Control, 24 station controller, built-in transformer 220 VAC
TC-36EX-R-50H	Total Control, 36 station controller, built-in transformer 220 VAC, metal box
TC-48EX-R-50H	Total Control, 48 station controller, built-in transformer 220 VAC, metal box
TC-6MOD-R	Module for Total Control 6 stations
TC-9MOD-R	Module for Total Control 9 stations
TC-12MOD-R	Module for Total Control 12 stations
TC-15MOD-R	Module for Total Control 15 stations
TC-18MOD-R	Module for Total Control 18 stations
TC-24MOD-R	Module for Total Control 24 stations
TC-36MOD-R	Module for Total Control 36 stations
TC-48MOD-R	Module for Total Control 48 stations



MC-E

- 18, 24, 36, 48 stations
- 8 independent programs
- 8 starts per program
- Water Budget: from 0% to 250%

The MC-E electronic control unit created to control the irrigation of large gardens and parks offers many advantages for water saving. Thanks to the possibility to set alarms, unexpected events and excessive water consumption can be detected.



Features

- Watering time:**
 - From 10 to 59 seconds, with 1 second increases per station
 - From 1 minute to 9 hours and 59 minutes, with 1 minute increases per station
- Flexible irrigation programming:**
 - Daily irrigation
 - Irrigation on even and odd days (excluding the 31st day of the month)
 - Irrigation at 1 to 60 day intervals
- Possibility to cancel a program**
- Stacking Program**
 - Up to 6 stations can work at the same time
- Rain delay function up to maximum 14 days**
- Automatic, semi-automatic and manual start per station or per program**
- Pump/master valve command per station**
- Permanent memory**
- The spare battery maintains the current time and date in the event of power cuts**
- Test program for all the stations**
- Delay option between 2 stations: possibility to set an adjustable interval from 1 second to 2 hours between one station and the next (facilitates the operation of the slow closing valves or well water recovery)**
- Activation and deactivation of the pump/master valve also during the delay between 2 stations**
- Diagnostic switch to identify the stations with excessive energy consumption, highlight them and stop them (they are automatically bypassed and highlighted on the display)**
- Protection against short circuits**
- Multilingual display**
- CE Certified**

Additional Features

- Adjustment of the monthly water budget and per program
- Possibility to enter a password to prevent tampering
- "Loop" setting for all programs
- Inputs for:
 - Flow meter (Data industrial)
 - On sensor
 - Off sensor
- Possibility to set 3 types of alarms in the event of:
 - Short circuit
 - Excessive water flow
 - Excessive water loss
- Metal container with lock
- Possibility to fix the control unit onto a metal pedestal

Specifications

- Input power:
 - 220 VAC, 50Hz
- Output power:
 - Max per station: 24 VAC (1,25 A)
 - Max output (including master valve): 24 VAC (2,08 A)



Options

- Flow meter
- Rain sensor connection
- Climate Logic

Dimensions

- Height 31,0 cm
- Width 36,0 cm
- Depth 12,0 cm

Codification

Code	Description
MC-18E-50H	MC-E, 18 station controller, built-in transformer 220 VAC
MC-24E-50H	MC-E, 24 station controller, built-in transformer 220 VAC
MC-36E-50H	MC-E, 36 station controller, built-in transformer 220 VAC
MC-48E-50H	MC-E, 48 station controller, built-in transformer 220 VAC



Icod Plus

- Inputs 8, 16, 24, 32, 40, 48 depending on the modules installed (max 1 to 6 modules)
- Max 4 decoders per area or 3 valves per decoder
- Adaptable to all programmers (not to those with open circuit alarm)

Icod Plus, the Irritrol cod-decod system. Made up of a control unit (Icod Plus), that codifies the signals from the controller, retransmit them through two unpolarized wires, and a decoder that decodes the signal transmitted (by the control unit). There are three types of decoders: one for the solenoid valves, one for the main valve and another for the pump control. Thanks to the six keys on the panel and the alphanumerical display, the programming is quick and easy even for not professional installers.



Features

- The decoders are identified by a six-figure code which is read automatically by the control unit
- Activation of the stations in manual mode, without the need for a control unit to give the command
- 4 different types of alarm which identify potential problems, such as open circuit, overload, short-circuit and a generic one
- Possibility to update the software and to modify the operating parameters (delay times between one decoder and another, EV maintenance voltage, alarms, etc.) through an RS232 socket for connection to PC.
- Possibility of changing the impedance to better adapt to the various electrical conditions of the system
- Extractable terminals to facilitate system wiring
- Multilingual system
- Resin-bonded decoder IP68 (up to 50 cm depth)
- PVC container for indoor/outdoor use (IP56), removable cover with 4 screws, for wall-mounting

Specifications

Input power:

- primary 230 VAC, 50/60Hz
- secondary A: 7 VAC, 400 mA

2-wire output power, 46 VDC, max 2 A

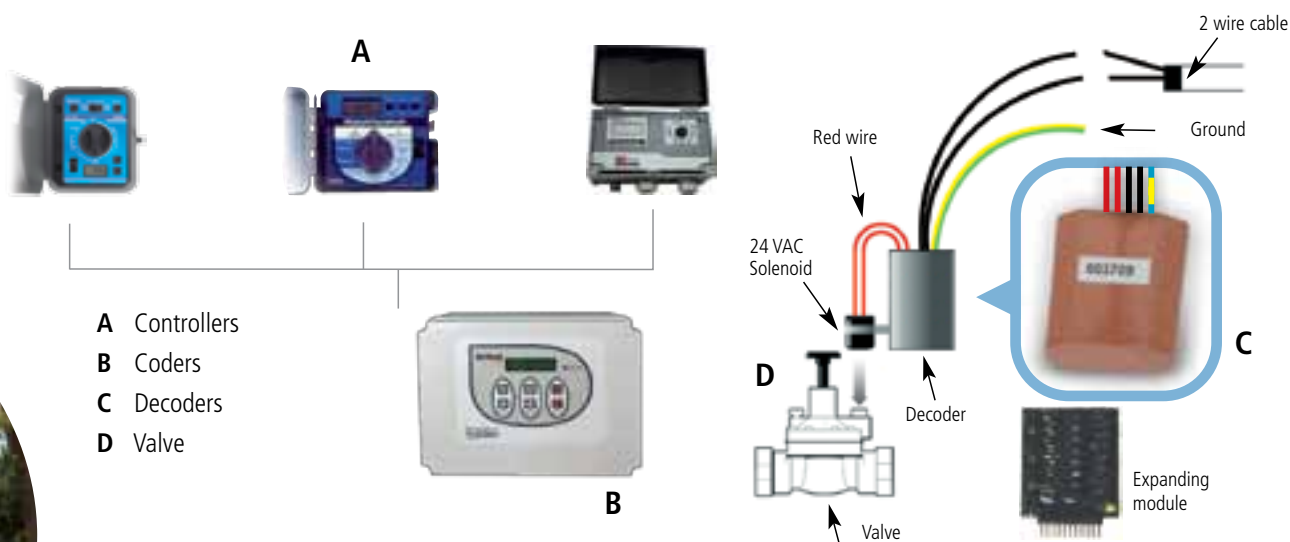
Input sensor power: N.F. switch

Output alarm power: N.C. or N.O. relay, 230VAC, 10 Amp

Terminal boards:

- Inputs: (1,2,3,...,48) 1 mm
- Output: max 6 mm

Temperature: from -5° to +50° C



- A Controllers
- B Coders
- C Decoders
- D Valve

Maximum cable lengths

Cable section FG7 (mm ²)	Specific resistance (Ohm/km)	Number of valve decoder connected to only solenoid activated simultaneously			
		1	2	3	4
1,0	17,70	3.700 m	2.300 m	1.700 m	1.300 m
1,5	12,20	5.500 m	3.500 m	2.600 m	1.800 m
2,5	7,35	9.300 m	5.800 m	4.400 m	3.400 m
4,0	4,60	14.900 m	9.400 m	7.000 m	5.500 m
6,0	3,06	22.300 m	14.100 m	10.500 m	8.300 m

Codification

Code	Description
IT-ICODPLUS	16-station Icod coder (expandable to 48)
IT-IDECODM	Main valve decoder (MV)
IT-IDECODP	Decoder for pump control
IT-IDECODPLUS	Field decoder for IP68 valve
IT-IDECODPLUS-L	Field decoder for latching solenoid valve
IT-IDECODPLUS-2	Multiple field decoder for 2 valves
IT-IDECODPLUS-4	Multiple field decoder for 4 valves
IT-IDECODPLUS-6	Multiple field decoder for 6 valves
IT-ICODEXP8PLUS	Internal 8-station expansion module with pre-wired terminal



VALVES

Comparison table

	Pages n°	Height (cm)	Thickness (cm)	Length (cm)	Operating pressure (bar)	Flow range (m³/h)	Globe Config.	Globe/Angle Config.	Flow control	OmniReg	NPT	Small Gardens	Medium Gardens	Big Gardens
E-Pic F 3/4" - 1"	30	12,7	5,9	11,2	0,5-10,0	1,2-7,2	✓		Option			●		
Euro M 3/4"	32	12,8	9,5	14,0	0,5-12,0	1,2-9,6	✓		Option			●		
Euro M 1"	32	13,5	9,5	14,0	0,5-12,0	1,2-9,6	✓		Option			●		
Euro M 1 1/4"	32	14,5	9,5	14,5	0,5-12,0	1,2-9,6	✓		Option			●		
Euro F 3/4"	32	13,0	9,5	12,0	0,5-12,0	1,2-7,2	✓		Option			●		
Euro F 1"	32	13,0	9,5	12,0	0,5-12,0	1,2-9,6	✓		Option			●		
Serie S 1 1/2"	34	16,0	10,0	15,0	0,7-10,0	4,8-18,0	✓		Option	✓			●	
Serie S 2"	34	18,0	11,5	18,0	0,7-10,0	6,0-36,0	✓		Option	✓				●
2400 1"	36	13,0	7,6	10,0	0,7-10,0	0,06-7,2	✓		Option		✓	●		
2500 3/4" e 1"	38	13,0	7,0	12,7	0,7-10,0	0,06-7,2	✓		Option		✓	●		
200 B 1 1/2"	40	20,3	10,6	13,6	1,4-10,0	4,8-18,0		✓	Standard	✓	✓		●	
200 B 2"	40	23,0	12,0	15,8	1,4-10,0	6,0-36,0		✓	Standard	✓	✓			●
100 Plus 1"	42	17,1	9,2	12,1	0,7-15,0	1,1-12,0		✓	Standard	✓	✓	●		
100 Plus 1-1/2"	42	18,4	9,2	12,1	0,7-15,0	7,2-24,0		✓	Standard	✓	✓		●	
100 Plus 2"	42	24,1	15,5	19,7	0,7-15,0	18,0-33,0		✓	Standard	✓	✓			●
100 Plus 3"	42	27,3	15,5	20,9	0,7-15,0	36,0-68,1		✓	Standard	✓	✓			●
700 UltraFlow 3/4"	44	11,5	4,8	8,6	0,7-10,0	0,02-7,2	✓		-	✓	✓	●		
700 UltraFlow 1"	44	11,5	7,6	11,6	0,7-10,0	0,02-10,8	✓		Standard	✓	✓	●		
700 UltraFlow 1 1/2"	44	14,0	11,1	15,8	0,7-10,0	3,6-30,0	✓		Standard	✓	✓		●	
700 UltraFlow 2"	44	17,8	14,0	20,3	0,7-10,0	6,0-42,0	✓		Standard	✓	✓			●

E-pic



Female thread $\frac{3}{4}$ ", 1", 1 $\frac{1}{4}$ "

Globe configuration

Body and bonnet in Nylon reinforced with fiberglass (30%)

Features

- Internal manual bleed
- Optional flow control
- Slow, anti-water hammer closing
- Double beaded diaphragm in thermoplastic rubber

Additional Features

- Fast lid removing with 4 screws
- Flow Control with 6mm hexagonal system
- Inspectable spiral removable from the outside
- Flow rate of 80,0 l/min for 0,5 bar head losses

Specifications

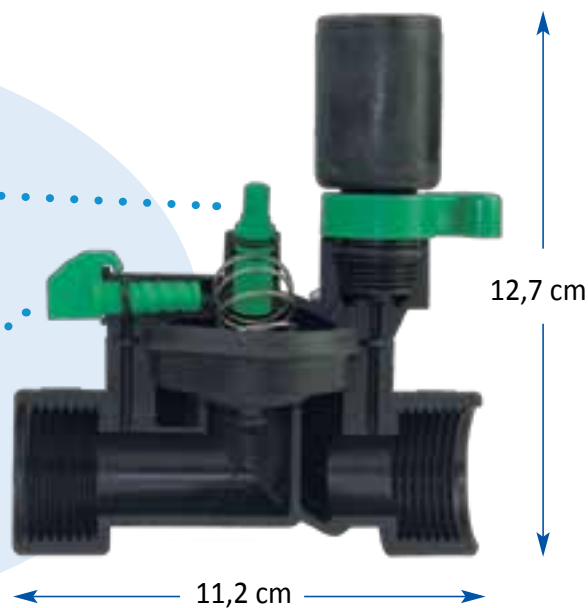
- Flow range: 1,2-7,2 m³/h (20-120 l/min)
- Operating pressure: 0,5-10,0 bar
- Solenoid 24VAC – 50Hz
 - Inrush current 0,34 A
 - Holding current 0,20 A

E-pic is the Irritrol valve specially designed for small residential irrigation systems. In fact, the guaranteed low flow rates, its small size and extremely easy maintenance make it the best choice for these applications.



Easy and fast
flow control thanks
to the hexagonal
head of the pin

Easy to
clean inside thanks
to the removable
spiral



Compact
design



Pressure Loss (bar)*

m ³ /h	1,2	2,4	3,6	4,8	6,0	7,2
l/min	20	40	60	80	100	120
3/4"	0,16	0,26	0,41	0,62	0,88	-
1"	0,16	0,26	0,41	0,60	0,86	1,12

Codification

Code	Description
EU-EPIC-0.75-C	Valve E-pic 3/4" female, Flow Control
EU-EPIC-0.75-S	Valve E-pic 3/4" female, without Flow Control
EU-EPIC-1-C	Valve E-pic 1" female, Flow Control
EU-EPIC-1-S	Valve E-pic 1" female, without Flow Control

* The valve can also be used for systems with flow rates starting from 20 l/h

Euro F and M Series



Male and female thread $\frac{3}{4}$ ", 1", 1 $\frac{1}{4}$ "

Globe configuration

Body and bonnet in Nylon reinforced with fiberglass (30%)

The F and M series is a complete range valves that are very easy to install and use. A historical range for Irritrol who has always guaranteed high performance and reliability.

Features

- Internal manual bleed
- Optional flow control
- Slow, anti-water hammer closing
- Double beaded diaphragm in thermoplastic rubber
- Captive Solenoid (the plunger is retained in the solenoid)
- Closing with screws



Specifications

- Flow range: 1,2 – 9,6 m³/h (20 – 160 l/min)
- Operating pressure: 0,5 – 12,0 bar
- Solenoid 24VAC – 50Hz
 - Inrush current 0,34 A
 - Holding current 0,20 A

EURO F SERIES Pressure Loss (bar)

m ³ /h	1,2	2,4	3,6	4,8	6,0	7,2	8,4	9,6
l/min	20	40	60	80	100	120	140	160
$\frac{3}{4}$ "	0,28	0,33	0,30	0,27	0,36	0,50	-	-
1"	0,28	0,33	0,30	0,27	0,36	0,50	0,68	0,89

EURO M SERIES Pressure Loss (bar)

m ³ /h	1,2	2,4	3,6	4,8	6,0	7,2	8,4	9,6
l/min	20	40	60	80	100	120	140	160
$\frac{3}{4}$ "	0,25	0,19	0,17	0,29	0,44	0,63	0,86	1,12
1"	0,28	0,33	0,30	0,27	0,36	0,50	0,68	0,89
1 $\frac{1}{4}$ "	0,28	0,32	0,27	0,23	0,35	0,50	0,67	0,88

Options

- DCL latching solenoid for EURO F model



Easy and fast flow control thanks to the removable handle

Codification

EURO F

Code	Description
EU-VHE020033-1	Valve Euro F, 3/4" female, without Flow Control
EU-VHE020003-1	Valve Euro F, 3/4" female, Flow Control
EU-VHE025033-1	Valve Euro F, 1" female, without Flow Control
EU-VHE025003-1	Valve Euro F, 1" female, Flow Control
EU-VHE025003-1-DCL	Valve Euro F, 1" female, Flow Control, DCL latching solenoid
EU-VHE020033-4	Valve Euro-F, 3/4" female, without Flow Control, without solenoid
EU-VHE020003-4	Valve Euro-F, 3/4" female, Flow Control without solenoid
EU-VHE025033-4	Valve Euro-F, 1" female, without Flow Control, without solenoid
EU-VHE025003-4	Valve Euro-F, 1" female, Flow Control, without solenoid

EURO M

Code	Description
EU-VHE020133-1	Valve Euro M, 3/4" male, without Flow Control
EU-VHE020103-1	Valve Euro M, 3/4" male, Flow Control
EU-VHE025133-1	Valve Euro M, 1" male, without Flow Control
EU-VHE025103-1	Valve Euro M, 1" male, Flow Control
EU-VHE032133-1	Valve Euro M, 1 1/4" male, without Flow Control
EU-VHE032103-1	Valve Euro M, 1 1/4" male, Flow Control



S Series*

- Female thread 1 1/2", 2"
- Globe configuration
- Body and bonnet in Nylon reinforced with fiberglass (30%)

Features

- Internal manual bleed
- Flow control
- Slow, anti-water hammer closing
- Double beaded Santoprene diaphragm
- Captive Solenoid (the plunger is retained in the solenoid)

Additional Features

- Labyrinth that allows slow and fast valve closure
- Easily inspectable internal filter
- Removable flow regulator

Specifications

- Flow Range: 4,8-36,0 m³/h (80-600 l/min)
- Operating pressure: 0,7 – 10,0 bar
- Solenoid 24VAC – 50Hz (24VAC – 60Hz on request)
 - Inrush current 0,34 A
 - Holding current 0,20 A

Options

- Accepts Irritrol Ominireg pressure regulator

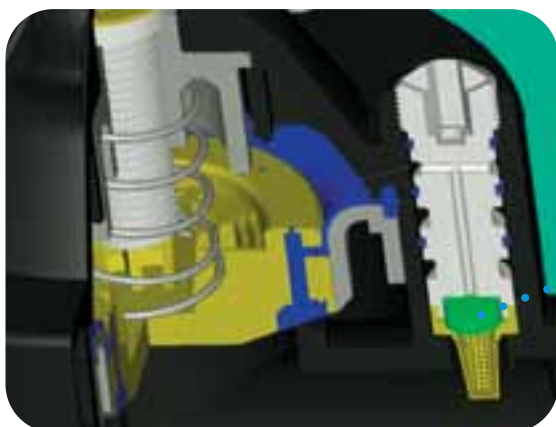
The S series is the special line of Irritrol valves equipped with a patented system for slow or fast closure. In addition, because the filter is positioned in the top part of the valve, maintenance is easy and fast and it can easily be inspected without having to remove it.



*Patent N°: US 6.877.714 B2

Easy and fast flow control thanks to the handle

Labyrinth that ensures slow closure against water hammering



Labyrinth that ensures slow closure against water hammering

Pressure Loss (bar)

m ³ /h	4,8	6,0	7,2	8,4	9,6	10,8	12,0	15,0	18,0	21,0	24,0	27,0	30,0	33,0	36,0
l/min	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600
1 ½"	0,21	0,19	0,18	0,16	0,16	0,19	0,23	0,32	0,38	-	-	-	-	-	-
2"	-	0,14	0,13	0,12	0,12	0,11	0,11	0,13	0,20	0,29	0,36	0,43	0,51	0,62	0,74



Codification

Code	Description
EU-VIS040	Valve S Series 1 ½" female, with flow control
EU-VIS050	Valve S Series 2" female, with flow control

2400 Series



Male and female thread 1"

Globe configuration

Body in PVC, bonnet and collar in polypropylene reinforced with fiberglass (30%)

Features

- Internal/External manual bleed
- Option flow control
- Slow, anti-water hammer closing
- Double beaded Santoprene diaphragm
- Captive Solenoid (the plunger is retained in the solenoid)

The 2400 series valves are the right answer to the needs for ease and convenience of installation thanks to the in-line configuration and the ring nut closure.

Intended for use in small systems, they are characterised by a PVC body and a double rib diaphragm that make them some of the most durable valves and resistant to UV rays and water leaks.

Specifications

- Flow range: 0,06 – 7,2 m³/h (1-120 l/min)
- Operating pressure: 0,7-10,0 bar
- Solenoid 24VAC – 50Hz (24VAC – 60Hz on request):
 - Inrush current 0,34 A
 - Holding current 0,20 A



Options

- The 2400 series valve can be fitted directly on the Junior DC 1-station battery-powered controller
- DCL latching solenoid

Pressure loss (bar)

m ³ /h	0,06	0,45	1,2	2,4	3,6	4,8	6,0	7,2
l/min	1	8	20	36	60	80	100	120
1"	0,34	0,31	0,24	0,28	0,21	0,23	0,34	0,45



For easier maintenance, the threaded ring nut allows removing the cover from the top without having to remove the solenoid

The internal components can be replaced in just a few minutes

The double beaded diaphragm ensures protection against leaks



Codification

Code	Description
2400MT	Valve 2400 1" female, without Flow Control
2400MTF	Valve 2400 1" female, Flow Control
2400MT-DCL	Valve 2400 1" female, without Flow Control, with DCL latching solenoid
2400MT-M	Valve 2400 1" male, without Flow Control
2400MTF-M	Valve 2400 1" male, Flow Control



2500 Series

Female thread $\frac{3}{4}$ ", 1"

Globe configuration

Body in PVC

The 2500 series valves are ideal for small- and medium-sized systems.

The double rib diaphragm ensures high performance without water leaks for long periods of time even in the presence of debris.

Features

- Internal/External manual bleed
- Option flow control
- Slow, anti-water hammer closing
- Double beaded Santoprene diaphragm
- Captive Solenoid (the plunger is retained in the solenoid)

Pressure Loss (bar)

m ³ /h	0,06	0,45	1,2	2,4	3,6	4,8	6,0	7,2
l/min	1	8	20	40	60	80	100	120
$\frac{3}{4}$ "	0,19	0,23	0,26	0,29	0,18	0,29	0,30	0,60
1"	0,37	0,27	0,20	0,16	0,14	0,23	0,37	0,52

Specifications

- Flow range: 0,06 – 7,2 m³/h (1 – 120 l/min)
- Operating pressure: 0,7 – 10,0 bar
- Solenoid 24VAC – 50Hz (24VAC – 60Hz on request)
 - Inrush current 0,34 A
 - Holding current 0,20 A

Options

- DCL latching solenoid





Guaranteed high tolerance to debris without water leaks



Codification

Code	Description
2507T-50H	Valve 2500 ¾" female, without Flow Control
2507TF-50H	Valve 2500 ¾" female, Flow Control
2500MT	Valve 2500 1" female, without Flow Control
2500MTF	Valve 2500 1" female, Flow Control



200B Series

- Female thread 1 1/2", 2"
- Globe/Angle configuration
- Body and bonnet in PVC

Features

- Internal and external manual bleed
- Flow control
- Slow, anti-water hammer closing
- Synthetic rubber diaphragm reinforced with double rib
- Captive Solenoid (the plunger is retained in the solenoid)
- O-Ring gasket on unused inlet cap guarantees hermetic seal and does not require Teflon

Specifications

- Flow Range: 4,8-36,0 m³/h (80-600 l/min)
- Operating pressure: 1,4 – 10,0 bar
- Solenoid 24VAC – 50Hz
 - Inrush current 0,34 A
 - Holding current 0,20 A

Options

- Accepts Irritrol Ominireg pressure regulator

Thanks to the PVC body and cover, the 200B series offers valves resistant to UV rays and even to corrosion being equipped with stainless steel screws. Both the base and the top of the structure are reinforced making this range among the most resistant in the market.





The ribs in the cover contribute to reinforcing the valve structure

The diaphragm reinforced with double rib ensures protection against leaks

The cap to close the water inlet from the bottom and the O-Ring allow installing the valve in a straight line and at an angle

The thicker PVC edge makes the valve even more durable over time

Pressure Loss (bar)

m ³ /h	4,8	6,0	7,2	8,4	9,6	10,8	12,0	15,0	18,0	21,0	24,0	27,0	30,0	33,0	36,0
l/min	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600
1 ½" globe	0,21	0,19	0,18	0,16	0,16	0,19	0,23	0,32	0,38	-	-	-	-	-	-
1 ½" angle	0,19	0,17	0,15	0,14	0,15	0,15	0,21	0,25	0,30	-	-	-	-	-	-
2" globe	-	0,14	0,13	0,12	0,12	0,11	0,11	0,13	0,20	0,3	0,36	0,43	0,51	0,62	0,74
2" angle	-	0,14	0,13	0,12	0,12	0,11	0,11	0,12	0,15	0,19	0,25	0,33	0,61	0,61	0,61



Codification

Code	Description
216B-M	Valve 200B 1½" female, Flow Control,
216-M-LS	Valve 200B 1½" female, Flow Control, without solenoid
217B-M	Valve 200B 2" female, Flow Control
217B-M-LS	Valve 200B 2" female, Flow Control, without solenoid

Century Plus Series



- Female thread 1", 1 1/2", 2" e 3"
- Globe/Angle configuration
- Body and bonnet in Nylon reinforced with fiberglass (30%)

Features

- Internal and external manual bleed
- Flow control
- Slow, anti-water hammer closing
- Rubber diaphragm reinforced with double rib
- Captive Solenoid (the plunger is retained in the solenoid)
- O-Ring gasket on unused inlet cap guarantees hermetic seal and does not require Teflon

The Century Plus series comprises valves of excellent quality intended for use in both medium- and large-sized systems. Highly pressure resistant, this range allows achieving high performance confirming it as one of the best on the market.

Additional Features

- Fastening of the top of the body by means of nuts and threaded pins incorporated in the mould
- Self-cleaning control orifices
- Brass flow control stem (mod 2" and 3")

Specifications

- Flow Range: 1,1-68,1 m³/h (18-1135 l/min)
- Operating pressure: 0,7 – 15,0 bar
- Solenoid 24VAC – 50Hz
 - Inrush current 0,34 A
 - Holding current 0,20 A

Options

- Accepts Irritrol Ominireg pressure



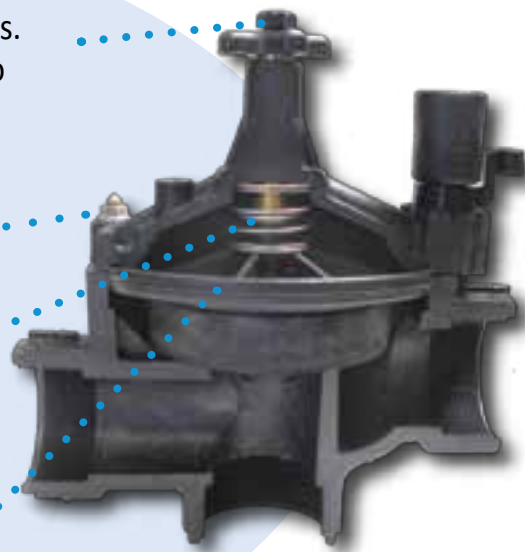
Century Plus Series

Self-cleaning control orifices.
All the parts are easily accessible without having to remove the valve from the valve boxes

Self-cleaning control orifices.
All the parts are easily accessible without having to remove the valve from the valve boxes

The steel spring and the reinforced membrane ensure valve strength even in difficult conditions

The rubber diaphragm reinforced with double rib ensures protection against leaks



Pressure Loss (bar)

m ³ /h	1,1	1,2	2,4	3,6	4,5	6,0	7,2	8,4	9,6	10,8	12,0	15,0	18,0	21,0	24,0	27,0	30,0	33,0	36,0	39,0	42,0	45,0	48,0	51,0	54,0	57,0	60,0	63,0	68,1
l/min	18	20	40	60	76	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1135
1" linea	0,43	0,32	0,29	0,24	0,22	0,25	0,32	0,43	0,55	0,69	0,83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1" angolo	0,43	0,32	0,29	0,24	0,21	0,19	0,22	0,30	0,39	0,49	0,61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 ½" linea	-	-	-	-	-	-	0,12	0,14	0,18	0,22	0,28	0,43	0,62	0,9	1,11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 ½" angolo	-	-	-	-	-	-	0,09	0,10	0,12	0,17	0,22	0,34	0,48	0,65	0,84	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2" linea	-	-	-	-	-	-	-	-	-	-	-	-	0,14	0,20	0,25	0,32	0,40	0,48	-	-	-	-	-	-	-	-	-	-	-
2" angolo	-	-	-	-	-	-	-	-	-	-	-	-	0,08	0,12	0,15	0,19	0,24	0,29	-	-	-	-	-	-	-	-	-	-	-
3" linea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,18	0,20	0,23	0,28	0,32	0,36	0,41	0,47	0,52	0,58	0,7
3" angolo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,14	0,16	0,19	0,22	0,26	0,30	0,34	0,38	0,43	0,49	0,58

Codification

Code	Description
100P1-BSP	Valve Century Plus, 1" female, Flow Control
100P1.5-BSP	Valve Century Plus, 1½" female, Flow Control
100P2-BSP	Valve Century Plus, 2" female, Flow Control
100P3-BSP	Valve Century Plus, 3" female, Flow Control
100P1-LS-BSP	Valve Century Plus, 1" female, Flow Control, without solenoid
100P1.5-LS-BSP	Valve Century Plus, 1½" female, Flow Control, without solenoid
100P2-LS-BSP	Valve Century Plus, 2" female, Flow Control, without solenoid
100P3-LS-BSP	Valve Century Plus, 3" female, Flow Control, without solenoid

700 Ultraflow Series



- Female thread $\frac{3}{4}$ ", 1", 1 $\frac{1}{2}$ ", 2"
- Globe configuration
- Body and bonnet in Nylon reinforced with fiberglass (30%)

Features

- Internal manual bleed
- Flow control (excluding $\frac{3}{4}$ " model)
- Slow, anti-water hammer closing
- Buna-N diaphragm
- Captive Solenoid (the plunger is retained in the solenoid)

Additional Features

- Internal filter in stainless steel 150 Mesh (excluding $\frac{3}{4}$ " model)
- Unique straight-through flow path for low pressure loss
- Brass shaft and stainless steel travel stop plate for membrane protection

Specifications

- Flow Range: 0,02 – 42,0 m³/h (0,3 – 700 l/min)
- Operating pressure: 0,7 – 10,0 bar
- Solenoid 24VAC – 50Hz
 - Inrush current 0,34 A
 - Holding current 0,20 A

Options

- Accepts OmniReg pressure regulator

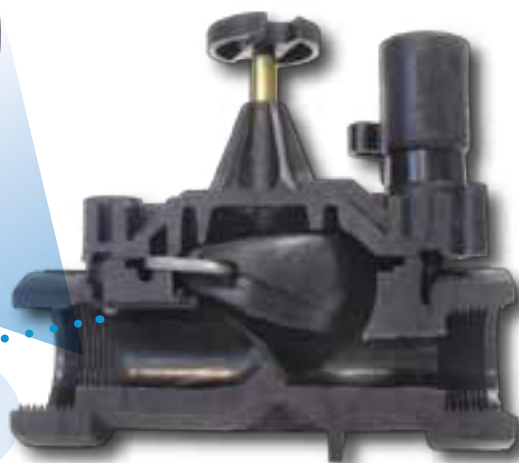
The 700 Ultraflow series offers the right solution when working with very dirty water even in large systems; in fact, the stainless steel filter ensures regular valve functioning even in the presence of debris. In addition, the water runs through the valves on a straight path without curves thus ensuring considerable reduction in pressure drops.



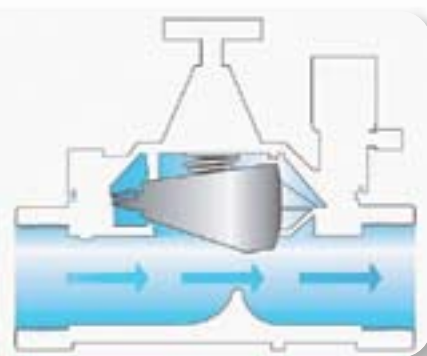
700 Ultraflow Series



Water cleanliness is ensured by the internal 150-mesh stainless steel filter



Standard flow path



The UltraFlow Series straight-through flow path

Pressure Loss (bar)

m ³ /h	0,02	0,45	1,2	2,4	3,6	4,8	6,0	7,2	8,4	9,6	10,8	12,0	15,0	18,0	21,0	24,0	27,0	30,0	33,0	36,0	39,0	42,0
l/min	0,3	8	20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700
¾"	0,02	0,02	0,06	0,09	0,15	0,25	0,37	0,51	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1"	0,15	0,11	0,12	0,13	0,16	0,17	0,19	0,24	0,32	0,43	0,54	-	-	-	-	-	-	-	-	-	-	-
1 ½"	-	-	-	-	0,02	0,03	0,04	0,05	0,07	0,08	0,10	0,11	0,18	0,26	0,36	0,47	0,59	0,73	-	-	-	-
2"	-	-	-	-	-	-	0,04	0,05	0,05	0,06	0,07	0,07	0,10	0,14	0,16	0,23	0,27	0,32	0,38	0,44	0,51	0,60

Codification

Code	Description
700B-.75-50H	Valve 700 Ultraflow ¾" female, without Flow Control
700-1-BSP	Valve 700 Ultraflow 1" female, Flow Control
700-1.5-BSP	Valve 700 Ultraflow 1 1/2" female, Flow Control
700-2-BSP	Valve 700 Ultraflow 2" female, Flow Control
700-.75-LS	Valve 700 Ultraflow ¾" female, without Flow Control, without solenoid
700-1-BSP-LS	Valve 700 Ultraflow 1" female, Flow Control, without solenoid
700-1.5-BSP-LS	Valve 700 Ultraflow 1 1/2" female, Flow Control, without solenoid
700-2-BSP-LS	Valve 700 Ultraflow 2" female, Flow Control, without solenoid



Omnireg

Adaptable to Irritrol valve: 200 Series, Century Plus, 700 Ultraflow Series and S-Series

Vertical installation

Body in Nylon reinforced with fiberglass, metal components made of steel and brass

Features

- Vertical installation in the solenoid cavity, using the two screws provided*
- No need for gauge because the central selector indicates the outlet pressure both in Bars and Psi
- The desired pressure can be adjusted when the system is shutdown or in operation
- Maintains a constant downstream pressure for a higher precision in low pressure conditions
- Eliminates the need to keep double valve stocks
- Accuracy of $\pm 0,2$ bar

*The solenoid is fitted in the side cavity provided in the OmniReg

The Omnireg pressure regulator is a very useful accessory when you need to maintain the pressure downstream of the system constant. It does not require the use of a pressure gauge and its "visible" vertical position on the valve makes it easy to install and also allows easy adjustment and considerable space saving.



Simply turn the dial to the desired pressure

Specifications

- Flow Range: 3,8 – 1136 l/min
- Inlet pressure: up to 13,8 bar
- Outlet pressure regulated:
 - OMR-30 model: from 0,35 to 2,1 bar
 - OMR-100 model: from 0,35 to 6,9 bar
- Inlet pressure has to be at least 0,7 bar higher than the desired outlet pressure
- To reduce the risk of water hammer, the flow rate must not exceed 2,3 m/sec

Options

- "Schrader" coupling to enable pressure controls

Codification

Code	Description
OMR-30	Omnireg Pressure regulator (up to 2,1 bar)
OMR-100	Omnireg Pressure regulator (up to 6,9 bar)
OMR-DS	Downstream sensing kit





SPRAYHEADS AND NOZZLES

Comparison table

Sprayheads

	SL SERIES	I-PRO SERIES
Pages n°	50	52
Riser Height	2",4",6"	3",4",6",12"
Inlet	1/2" Female	1/2" Female
Operating pressure (bar)	1,5-3,0	1,5-3,5
Check valve option	●	●
Pressure regulator option		●
Non-potable indication option		●
Pre-installed Pro-Van nozzles option	●	●

Nozzles

	ROTARY NOZZLES	I-PRO NOZZLES	PRO-VAN NOZZLES	SPECIAL NOZZLES
Pages n°	54	56	58	60
Arc	adjustable	fixed	adjustable	fixed
Radius (m)	4,3-8,0	1,2-4,9	2,1-5,1	3,9-14,7
Flow range (l/min)	0,68-15,82	0,19-18,0	1,7-16,0	1,6-5,1
Operating pressure (bar)	1,7-5,2	1,5-3,5	1,0-2,0	1,4-2,7

SL Series



2", 4", 6" models

½" female threaded

Compatible nozzles: I-Pro, Pro-Van, Rotary Nozzles, Special nozzles

The SL series is a family of sprayheads with a compact design that guarantees flexibility, reliability and good value for money. It is ideal for small and medium-sized systems and is adaptable to both fixed and variable arc nozzles.

Features

- One-piece molded body adds durability
- Pressure-activated seal reduces flow-by during pop up and keeps away from stem during retraction
- Heavy-duty, stainless steel retract spring ensures positive pop down
- Nozzles with matched precipitation rate
- The arc can be adjusted even when the sprinkler is running
- Available with pre-installed Pro-Van nozzles with radius: 10', 12', 15', 17'

Additional Features

- Removable nozzles, screen and internal components for flushing and servicing
- Debris labels on models without nozzles for easy flushing

Specifications

- Exposed diameter: 3,18 cm
- Recommended working pressure: 1,5-3,0 bar
- Flushing:
 - from 0 to 0,7 bar: 1,9 l/min
 - above 0,7 bar: 0 l/min (flow range null)
- Body height:
 - SL200: 10,5 cm
 - SL400: 15,5 cm
 - SL600: 20,6 cm
 - I-PRO1200-SI: 40,5 cm

Options

- Integrated check valve that prevents drainage and hence wasting water for a difference in height of up to 2,10 m

SPRAYHEADS





Codification

SL Series body only

Code	Description
SLP200	SL 2" Fixed Sprayhead – riser height 5 cm, without nozzles (body only)
SLP400	SL 4" Fixed Sprayhead – riser height 10 cm, without nozzles (body only)
SLP600	SL 6" Fixed Sprayhead – riser height 15 cm, without nozzles (body only)
SL-CV	SL Check Valve

SL Series with Pro Van nozzle preassembled 10, Radius 2,7-3,0m, Trajectory 10°

Code	Description
SLP210	SL 2" Fixed Sprayhead – riser height 5 cm, with Pro Van nozzles 10°
SLP410	SL 4" Fixed Sprayhead – riser height 10 cm, with Pro Van nozzles 10°

SL Series with Pro Van nozzle preassembled 12, Radius 3,0-3,7m, Trajectory 15°

Code	Description
SLP212	SL 2" Fixed Sprayhead – riser height 5 cm, with Pro Van nozzles 15°
SLP412	SL 4" Fixed Sprayhead – riser height 10 cm, with Pro Van nozzles 15°

SL Series with Pro Van nozzle preassembled 15, Radius 4,1-4,6m, Trajectory 20°

Code	Description
SLP215	SL 2" Fixed Sprayhead – riser height 5 cm, with Pro Van nozzles 20°
SLP415	SL 4" Fixed Sprayhead – riser height 10 cm, with Pro Van nozzles 20°

SL Series with Pro Van nozzle preassembled 17, Radius 4,3-5,1m Trajectory 26°

Code	Description
SLP217	SL 2" Fixed Sprayhead – riser height 5 cm, with Pro Van nozzles 26°
SLP417	SL 4" Fixed Sprayhead – riser height 10 cm, with Pro Van nozzles 26°

I-PRO Series



3", 4", 6", 12" models

½" female threaded

Compatible nozzles: I-Pro, Pro-Van,
Rotary Nozzles, Specials Nozzles

The I-PRO series sprinklers are suitable for most landscape configurations and are easy and fast to install thanks to their rough body and non-slip grip. With this range, Irritrol proposes sprayheads with superior efficiency, allowing time and money saving and at the same time meeting the needs of professional installers.

Features

- Sturdy and robust, textured body for easy installation with a non-slip grip
- Pressure-activated seal with lubricant additive
- Stainless steel spring that ensures proper piston descent
- Nozzles with matched precipitation rate
- The arc can be adjusted even when the sprinkler is running

Additional Features

- Pre-installed flush plug makes system flushing a breeze and allows easy nozzle installation
- Side and bottom inlets on 6" and 12" (6" also available in non-side inlet) reduces installation time

Specifications

- Side inlet: 11 cm (from center of side inlet to top of cap)
- Exposed diameter: 5,6 cm
- Body diameter: 4 cm
- Recommended working pressure:
 - Standard model: 1,5-3,5 bar (max 5,0 bar)
 - Model with pre-installed check valve (CV): 1,7 - 3,4 bar (max 5,0 bar)
 - Model with pre-installed pressure regulator (PR): 2,0 - 4,8 bar (max 5,0 bar)
- Body height:
 - I-PRO300: 12,5 cm
 - I-PRO400: 14,6 cm
 - I-PRO600: 23,5 cm
 - I-PRO1200-SI: 40,5 cm

Options

- Spare piston for the 4" coupling that also adapts to the Rain Bird sprinkler body of the 1800 series
- Pre-installed in-riser pressure regulator maintains optimum nozzle performance at 2,0 bar and eliminates misting in varying pressure applications
- Pre-installed check valve prevents low-head drainage, eliminating flood or erosion damage by keeping water in lateral pipes in elevation changes up to 3,3 mt
- Recycled-water indicator cap (I-PRO-NPC)

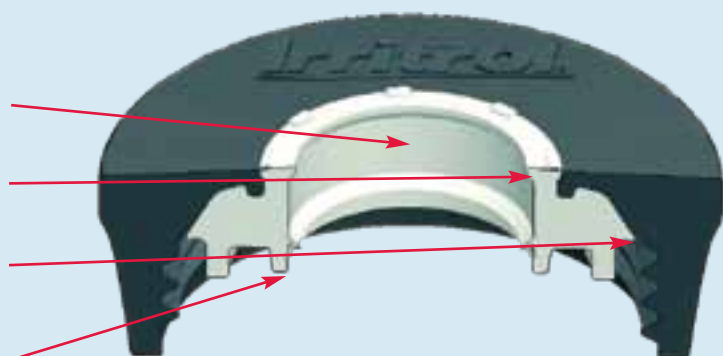
Superior performing wiper seal

Additional lubricant additive further eliminates stick-ups

Tapered lip design prevents the intrusion of debris

Lip creates positive seal to prevent body to cap leaks

Pressure-activated lip seal ensures a positive seal around the riser and reduces "flow-by"



Codification

Code	Description
I-PRO300	I-Pro 3" Sprayhead – riser height 7,5 cm
I-PRO400	I-Pro 4" Sprayhead – riser height 10 cm
I-PRO400-CV	I-Pro 4" Sprayhead – riser height 10 cm with check valve
I-PRO400-PR	I-Pro 4" Sprayhead – riser height 10 cm with pressure regulator
I-PRO400-PR-CV	I-Pro 4" Sprayhead – riser height 10 cm with check valve and pressure regulator
I-PRO600	I-Pro 6" Sprayhead – riser height 15cm
I-PRO600-CV	I-Pro 6" Sprayhead – riser height 15 cm with check valve
I-PRO600-PR	I-Pro 6" Sprayhead – riser height 15 cm with pressure regulator
I-PRO600-PR-CV	I-Pro 6" Sprayhead – riser height 15 cm with check valve and pressure regulator
I-PRO600-SI	I-Pro 6" Sprayhead – riser height 15 cm with side inlet
I-PRO600-SI-PR	I-Pro 6" Sprayhead – riser height 15 cm with side inlet and pressure regulator
I-PRO1200-SI	I-Pro 12" Sprayhead – riser height 30 cm
I-PRO1200-SI-CV	I-Pro 12" Sprayhead – riser height 30 cm with side inlet and check valve
I-PRO1200-SI-PR	I-Pro 12" Sprayhead – riser height 30 cm with side inlet and pressure regulator
I-PRO1200-SI-PR-CV	I-Pro 12" Sprayhead – riser height 30 cm with side inlet, check valve and pressure regulator

I-PRO 400 Replacement kit

Code	Description
I-PRO400R	I-Pro 4" Retrofit - riser height 10 cm
I-PRO400R-CV	I-Pro 4" Retrofit - riser height 10 cm with check valve
I-PRO400R-PR	I-Pro 4" Retrofit - riser height 10 cm with pressure regulator
I-PRO400R-PR-CV	I-Pro 4" Retrofit - riser height 10 cm with check valve and pressure regulator

Rotary Nozzles



2 Models: full circle (360°) and arc adjustable (45°-270°)

Female threaded compatible with any male-threaded riser

Matched precipitation rate of 14 mm/h

The new Irritrol Rotary Nozzles created to manage your garden in efficient and balanced way. Thanks to an innovative internal mechanism the water is delivered in the best way to reduce runoff and wasted water.



Features

Gear driven system

Consistent speed of rotation not affected by pressure

Consistent uniformity

Easy arc adjustment

Pre-attached screen for easy installation

Radius reduction up to 25%

Color coded for easy radius identification

Specifications

Radius: 4,3-8,0 m

Flow Range: 0,68-15,82 l/min

Operating pressure: 1,7-5,2 bar

Additional Features

Maintains precipitation rate as radius is reduced

Maximum height of 20° trajectory to fight through wind



Thanks to the presence of 15 streams "steps" of a different shape ensures a uniform even and continuous is very close to the maximum radius of the head.



A proven planetary gear drive, variable stator and turbine to rotate the nozzle

Performance

Pressure (bar)	Arc	Flow range (l/min)	Radius (m)	■ (mm/h)	▲ (mm/h)
1,7	45	0,68	4,3	17,65	20,38
	90	1,7	4,9	16,99	19,62
	120	1,93	4,9	14,47	16,71
	180	2,88	4,6	16,33	18,86
	240	4,24	4,6	18,03	20,82
	270	4,09	4,3	17,7	20,43
2,4	360	6,85	4,6	19,42	22,43
	45	0,95	4,9	18,99	21,93
	90	2,04	5,8	14,55	16,81
	120	2,88	6,1	13,93	16,09
	180	3,94	5,8	14,05	16,23
	240	5,49	5,8	14,69	16,96
3,1	270	5,19	5,5	13,73	15,85
	360	8,9	5,8	15,87	18,33
	45	1,55	5,8	22,12	25,54
	90	2,54	6,7	13,58	15,68
	120	3,48	7	12,78	14,76
	180	4,96	6,7	13,26	15,31
3,8	240	6,36	6,4	13,97	16,14
	270	6,93	6,4	13,54	15,63
	360	11,96	6,7	15,99	18,46
	45	1,74	6,1	22,45	25,92
	90	2,84	7	13,91	16,06
	120	3,79	7,3	12,8	14,78
4,5	180	5,53	7	13,54	15,64
	240	7,15	6,7	14,34	16,55
	270	8,06	6,7	14,36	16,59
	360	13,55	7	16,59	19,16
	45	1,21	6,1	15,61	18,02
	90	3,14	7,6	13,05	15,07
5,2	120	4,2	7,6	13,09	15,11
	180	6,25	7,6	12,98	14,99
	240	7,87	7	14,46	16,69
	270	8,93	7,3	13,41	15,48
	360	14,61	7,3	16,45	18,99
	45	1,32	6,7	14,11	16,3
5,2	90	3,37	7,9	12,96	14,96
	120	4,47	7,6	13,93	16,09
	180	6,7	7,9	12,88	14,88
	240	8,52	7,3	14,39	16,62
	270	9,88	7,6	13,68	15,8
	360	15,82	7,6	16,43	18,98

The data indicated is the result of tests conducted in zero wind conditions

Codification

Code	Description
IPN-R360	Full circle nozzle 360°
IPN-RADJ	Adjustable arc nozzle 45°-270°
IPN-RT00L	Key for rotary nozzle adjustment



I-PRO Nozzles

5 Models: 5', 8' 10', 12', 15'

Female-threaded compatible with any male-threaded riser in the industry

Matched precipitation rate ensures even water distribution

The I-PRO fixed nozzles with Matched Precipitation Rate ensure uniform water distribution allowing accurate control of the precipitation rate, the range and the flow so as to considerably reduce leaks and over-irrigation.



Features

6 arc setting*

Ribbed-edge design provides for a non-slip grip

Radius reduction up to 25%

Color-coded top for a quick and easy radius identification

* 5', 8' e 10' nozzles are not available in TT and TQ arc setting

Codification

Code	Description
IPN-5XX	Series 5 I-Pro nozzle: radius 1,3-1,8 m
IPN-8XX	Series 8 I-Pro nozzle: radius 2,2-2,7 m
IPN-10XX	Series 10 I-Pro nozzle: radius 2,8-3,7 m
IPN-12XX	Series 12 I-Pro nozzle: radius 3,4-4,3 m
IPN-15XX	Series 15 I-Pro nozzle: radius 4,3-4,9 m

XX: add "F" for 360°, "H" for 180°, "T" for 120°, "Q" for 90°, "TQ" for 270°, "TT" for 240

Specifications

Radius: 1,2 - 4,9 m

Flow range: 0,19-17,33 l/min

Recommended operating pressure range: 1,5 - 3,5 bar

Performance

Arc	Description	Pressure bar	Flow l/min	Radius m
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5'

	IPN-5Q	1,5	0,21	1,2
		2,0	0,38	1,5
		2,5	0,50	1,8
		3,0	0,55	1,7
		3,5	0,63	1,8
	IPN-5T	1,5	0,29	1,2
		2,0	0,49	1,5
		2,5	0,66	1,8
		3,0	0,71	1,7
		3,5	0,82	1,8
	IPN-5H	1,5	0,40	1,2
		2,0	0,76	1,5
		2,5	0,92	1,8
		3,0	1,00	1,7
		3,5	1,08	1,8
	IPN-5F	1,5	0,09	1,2
		2,0	1,55	1,5
		2,5	1,84	1,8
		3,0	2,00	1,7
		3,5	2,16	1,8

8'

	IPN-8Q	1,5	0,70	2,1
		2,0	0,98	2,4
		2,5	1,07	2,7
		3,0	1,16	2,6
		3,5	1,19	2,7
	IPN-8T	1,5	0,99	2,1
		2,0	1,29	2,4
		2,5	1,54	2,7
		3,0	1,68	2,6
		3,5	1,72	2,7
	IPN-8H	1,5	1,46	2,1
		2,0	1,97	2,4
		2,5	2,28	2,7
		3,0	2,48	2,6
		3,5	2,56	2,7
	IPN-8F	1,5	2,91	2,1
		2,0	3,94	2,4
		2,5	4,57	2,7
		3,0	4,97	2,6
		3,5	5,12	2,7

10'

	IPN-10Q	1,5	1,14	2,7
		2,0	1,51	3,0
		2,5	1,89	3,4
		3,0	2,06	3,5
		3,5	2,27	3,7
	IPN-10T	1,5	1,62	2,7
		2,0	2,01	3,0
		2,5	2,51	3,4
		3,0	2,73	3,5
		3,5	2,89	3,7
	IPN-10H	1,5	2,35	2,7
		2,0	3,07	3,0
		2,5	3,67	3,4
		3,0	3,99	3,5
		3,5	4,28	3,7
	IPN-10F	1,5	4,62	2,7
		2,0	6,21	3,0
		2,5	6,71	3,4
		3,0	7,30	3,5
		3,5	7,71	3,7

12'

	IPN-12Q	1,5	1,73	3,4
		2,0	2,16	3,7
		2,5	2,59	4,0
		3,0	2,82	4,0
		3,5	2,72	4,0
	IPN-12T	1,5	2,25	3,4
		2,0	2,84	3,7
		2,5	3,43	4,0
		3,0	3,73	4,0
		3,5	3,82	4,0
	IPN-12H	1,5	3,79	3,4
		2,0	4,35	3,7
		2,5	5,19	4,0
		3,0	5,65	4,0
		3,5	6,19	4,0
	IPN-12TT	1,5	4,53	3,4
		2,0	5,87	3,7
		2,5	6,6	4,0
		3,0	7,17	4,0
		3,5	7,28	4,0
	IPN-12TQ	1,5	4,41	3,4
		2,0	6,51	3,7
		2,5	6,93	4,0
		3,0	7,54	4,0
		3,5	7,56	4,0
	IPN-12F	1,5	6,58	3,4
		2,0	8,63	3,7
		2,5	9,26	4,0
		3,0	10,07	4,0
		3,5	10,6	4,0

15'

	IPN-15Q	1,5	2,76	4,3
		2,0	3,44	4,6
		2,5	4,21	4,9
		3,0	4,58	4,9
		3,5	4,98	4,9
	IPN-15T	1,5	3,89	4,3
		2,0	4,5	4,6
		2,5	5,32	4,9
		3,0	5,79	4,9
		3,5	5,94	4,9
	IPN-15H	1,5	5,72	4,3
		2,0	6,89	4,6
		2,5	8,43	4,9
		3,0	9,17	4,9
		3,5	8,94	4,9
	IPN-15TT	1,5	7,38	4,3
		2,0	9,12	4,6
		2,5	11,0	4,9
		3,0	12,0	4,9
		3,5	11,8	4,9
	IPN-15TQ	1,5	8,44	4,3
		2,0	10,4	4,6
		2,5	12,1	4,9
		3,0	13,11	4,9
		3,5	13,7	4,9
	IPN-15F	1,5	11,2	4,3
		2,0	14,1	4,6
		2,5	16,5	4,9
		3,0	17,92	4,9
		3,5	18,0	4,9

PRO-VAN Nozzles



5 Models with adjustable arc from 0° to 360°

Female-threaded compatible with I-Pro and SL sprayheads

The Pro-Van adjustable nozzles allow adjusting the arc according to need and reducing the radius thanks to the radius adjustment screw. In addition, they offer excellent tolerance to dirt and highly uniform performance.

Features

- Excellent distribution uniformity
- Excellent tolerance to dirty
- Pre-installed filter for an easy installation
- Radius reduction up to 25%
- Color coded for an easy radius identification

Specifications

- Radius: 2,1 – 5,1 m
- Flow range: 1,7 – 16,0 l/min
- Recommended operating pressure: 1,0 – 2,0 bar

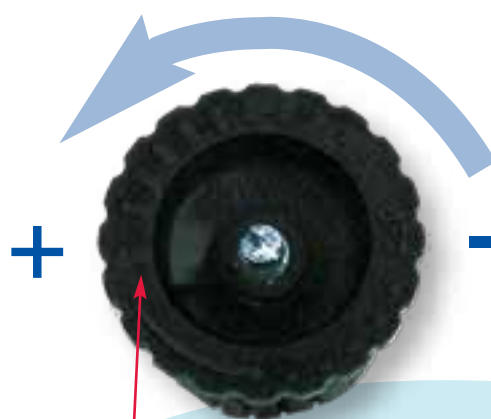


Performance

Adjustable nozzle		Mod 8 Radius 2,4m Trajectory 5°		Mod 10 Radius 3,0m Trajectory 10°		Mod 12 Radius 3,7m Trajectory 15°		Mod 15 Radius 4,6m Trajectory 20°		Mod 17 Radius 5,2m Trajectory 26°	
Arc	Pressure (bar)	Flow range (l/min)	Radius (m)	Flow range (l/min)	Radius (m)	Flow range (l/min)	Radius (m)	Flow range (l/min)	Radius (m)	Flow range (l/min)	Radius (m)
360°	1	6,8	2,1	7,2	2,7	9,2	3,0	10,0	4,1	12,0	4,3
	1,5	8,0	2,4	9,6	3,0	10,8	3,4	12,0	4,3	14,0	4,8
	2	9,6	2,4	10,8	3,0	12,0	3,7	14,0	4,6	16,0	5,1
180°	1	3,4	2,1	3,6	2,7	4,6	3,0	5,0	4,1	6,0	4,3
	1,5	4,0	2,4	4,8	3,0	5,4	3,4	6,0	4,3	7,0	4,8
	2	4,8	2,4	5,4	3,0	6,0	3,7	7,0	4,6	8,0	5,1
90°	1	1,7	2,1	1,8	2,7	2,3	3,0	2,5	4,1	3,0	4,3
	1,5	2,0	2,4	2,4	3,0	2,7	3,4	3,0	4,3	3,5	4,8
	2	2,4	2,4	2,7	3,0	3,0	3,7	3,5	4,6	4,0	5,1

Data represent results in zero wind. Adjust for local conditions.

Radius may be reduced up to 25% with adjustment screw (this may alter the uniformity of the spray pattern).



Top-visible arrow quickly indicates left edge of arc setting when adjusted

Codification

Code	Description
PRO-VAN8	Serie 8 Pro Van nozzle, adjustable arc 0°-360°, radius 2,1-2,4 m, brown
PRO-VAN10	Serie 10 Pro Van nozzle, adjustable arc 0°-360°, radius 2,7-3,0 m, red
PRO-VAN12	Serie 12 Pro Van nozzle, adjustable arc 0°-360°, radius 3,0-3,7 m, green
PRO-VAN15	Serie 15 Pro Van nozzle, adjustable arc 0°-360°, radius 4,1-4,6 m, black
PRO-VAN17	Serie 17 Pro Van nozzle, adjustable arc 0°-360°, radius 4,3-5,1 m, grey

Special Nozzles



9', 15' models (2,7 & 4,5 m models)

Female-threaded compatible with I-Pro and SL sprayheads

Precipitation rates balanced with the I-Pro fixed arc nozzles



The range of special Irritrol nozzles has been designed so that they can be adapted to the most varied situations and they can also be arranged at any point in the system

Performance

Code	Nozzles 9"			Nozzles 15"		
	bar	WxL (m)	l/min	bar	WxL (m)	l/min
SS 	1,4	0,9 x 4,9	3,2	1,4	0,9 x 8,5	4,2
	2,0	1,2 x 5,5	3,4	2,0	1,2 x 9,1	4,6
	2,7	1,5 x 6,1	3,7	2,7	1,5 x 9,8	5,1
CS 	1,4	0,9 x 4,9	3,2	1,4	0,9 x 8,5	4,2
	2,0	1,2 x 5,5	3,4	2,0	1,2 x 9,1	4,6
	2,7	1,5 x 6,1	3,7	2,7	1,5 x 9,8	5,1
ES 	1,4	0,9 x 2,4	1,6	1,4	0,9 x 4,3	2,0
	2,0	1,2 x 2,7	1,7	2,0	1,2 x 4,6	2,3
	2,7	1,5 x 3,0	1,8	2,7	1,5 x 5,2	2,6

W = width L = length

The values given in these charts are representative of the throw for each nozzle at each pressure point

Features

Suitable for square patterns:

- SS = side strip
- CS = central strip
- ES = end strip

Filter included

Radius reduction up to 25%

Specifications

Pattern covered: 0,9x4,3 – 1,5x9,8 m

Flow Range: 1,6 – 5,1 l/min

Recommended operating pressure:
1,4 – 2,7 bar

Codification

Code	Description
IPN-9SST	Series 9 Special nozzle – side strip
IPN-9CST	Series 9 Special nozzle – central strip
IPN-9EST	Series 9 Special nozzle – end strip
IPN-15SST	Series 15 Special nozzle – side strip
IPN-15CST	Series 15 Special nozzle – central strip
IPN-15EST	Series 15 Special nozzle – end strip





SPRINKLERS

Comparison table

	430R	550R-SC	TITAN	PLATINUM	SIS120	SGS103	SPS178	WT118
Pages n°	64	66	68	70	72	74	76	78
Adjustable Arc	40°-360°	40°-360°	20°-340°	45°-360°	30°-330°	30°-330°	180°	trattorino
Full Circle	360°							
Inlet	1/2"	3/4"	1"	1"	1 1/2"	1 1/2"	2"	
Radius (m)	5,1-9,0	7,6-15,2	9,7-13,8	14,9-24,1	19,0-36,5	21,0-32,0	34,0-54,0	28,0-36,0
Flow range (l/min)	2,8-12,5	2,8-36,7	5,7-28,7	279-115,9	71,6-451,6	86,6-386,6	383-1803	50
Operating pressure (bar)	2,0-3,5	1,7-4,5	2,0-3,5	2,8-6,9	3,0-7,0	4,0-7,0	4,0-8,0	3,0
Shrub	✓							
High Pop	✓							
Applications:								
Small and medium gardens	●	●						
Big garden and parks			●	●				
Sports fields				●	●	●	●	

430R



Inlet: ½" female threaded

Adjustable arc range: 40° - 360°

5 interchangeable nozzles



The 430R sprinkler has everything a ½" turbine can offer for irrigation of small areas. Because the arc is easy to adjust and the right and left block easy to check, the 430R is a sprinkler that can also be used by not professional users.

SPRINKLERS

Features

- Pressure activated seal
- Positive left and right stops reduces set-up time by allowing you to quickly check the arc
- Part and full-circle model in one unit
- Adjustments can be made with a normal screwdriver without needing to use special tools

Specifications

- Radius: 5,1 – 9,0 m
- Flow range: 2,8 - 12,5 l/min
- Operating pressure: 2,0 - 3,5 bar
- Overall height (retracted): 15 cm
- Riser height: 10 cm
- Standard nozzle trajectory: 25°

Performance

Pressure (bar)	Nozzles	Radius (m)	Flow (l/min)	■ (mm/h)	▲ (mm/h)
2,0	0,75	5,1	2,8	5,67	6,54
	1,0	6,0	3,4	6,46	7,46
	1,5	6,9	5,3	6,68	7,71
	2,0	7,5	6,8	7,25	8,38
	3,0	8,4	10,2	8,67	10,01
2,8	0,75	5,4	3,0	6,17	7,13
	1,0	6,3	4,5	6,80	7,85
	1,5	7,2	6,4	7,41	8,55
	2,0	8,1	8,0	7,32	8,45
	3,0	9,0	11,4	8,44	9,75
3,5	0,75	5,4	3,4	7,00	8,08
	1,0	6,3	4,9	7,41	8,55
	1,5	7,2	7,2	8,33	9,62
	2,0	8,1	9,1	8,32	9,61
	3,0	9,0	12,5	9,26	10,69

- Precipitation rates for "square" spacing and full circle operation
- ▲ Precipitation rates for "triangular" spacing and full circle operation
- Spacing based on 100% of radius

The data indicated is the result of tests conducted in zero wind conditions



No special tool required

All arc adjustments made
from the top with a
standard screwdriver
reduces set up time

Codification

Code	Description
430R	430R Rotor ½", 40°-360

550R-SC



- Inlet: ¾" female threaded
- Adjustable arc setting: 40° - 360°
- 8 standard and 4 low angle nozzles



The Irritrol 550R-SC ¾" sprinkler offers ease of use and operating reliability in one single device. Thanks to the innovative Slip Clutch system, you can now manually adjust the arc without needing to use any tools.

Features

- Familiar top adjustment, wet or dry
- Non-flushing wiper seal reduces leaks caused by debris trapped under seal
- Standard rubber cover provides added protection against debris
- Right (fixed) and left stops allow you to easily check the arc thus reducing the installation time.
- One model for part- and full-circle irrigation

Additional Features

- Filter with double surface area for better resistance to clogging and tolerance to debris.
- Body made of ABS and hence more robust.
- Single thread (rather than 5 like the competitors) to reduce the risk of blockage due to the intrusion of debris.

Specifications

- Radius: 7,6 - 15,2 m
- Flow range: 2,8 - 36,7 l/min
- Operating pressure: 1,7 - 4,5 bar (3,0 bar recommended operating pressure)
- Overall height (retracted): 19 cm
- Riser height: 12,7 cm
- Standard nozzle trajectory: 25°
- Low angle nozzle trajectory: 12°

Options

- Check valve holds up to 2,1 m of elevation change eliminates water waste
- Recycled-water indicator cover (purple)

Performance

550R-SC Rotor – Standard Nozzles 25°

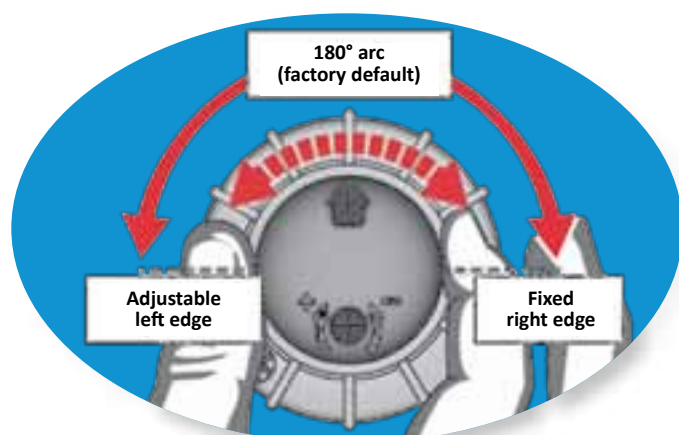
Pressure (bar)	Nozzles	Radius (m)	Flow (l/min)	■ (mm/h)	▲ (mm/h)
1,7	1,5	10,0	4,3	2,58	2,98
	2,0	10,6	5,5	2,94	3,39
	2,5	10,6	6,7	3,58	4,13
	3,0	11,0	8,3	4,12	4,75
	4,0	11,3	11,2	5,26	6,08
	5,0	11,9	14,2	6,02	6,95
	6,0	11,9	16,0	6,78	7,83
	8,0	11,0	21,7	10,76	12,42
2,4	1,5	10,4	5,2	2,88	3,33
	2,0	11,0	6,8	3,37	3,89
	2,5	11,0	8,3	4,12	4,75
	3,0	11,6	9,8	4,37	5,05
	4,0	12,2	13,4	5,00	6,24
	5,0	12,5	17,0	6,53	7,54
	6,0	13,1	19,6	6,85	7,91
	8,0	13,1	26,8	9,37	10,82
3,1	1,5	10,7	6,0	3,14	3,63
	2,0	11,3	8,0	3,76	4,34
	2,5	11,3	9,6	4,51	5,21
	3,0	12,2	11,5	4,64	5,35
	4,0	12,8	15,5	5,68	6,55
	5,0	13,1	19,3	6,75	7,79
	6,0	13,4	23,0	7,69	8,87
	8,0	14,3	30,5	8,95	10,33
3,8	1,5	10,7	6,6	3,46	3,99
	2,0	11,3	8,7	4,09	4,72
	2,5	11,3	10,6	4,98	5,75
	3,0	12,2	13,3	5,36	6,19
	4,0	12,8	16,8	6,15	7,10
	5,0	13,7	21,7	6,94	8,01
	6,0	14,3	25,1	7,36	8,50
	8,0	14,7	33,9	9,54	11,02
4,5	1,5	11,0	7,1	3,52	4,07
	2,0	11,3	9,7	4,56	5,26
	2,5	11,3	11,5	5,40	6,24
	3,0	12,2	14,4	5,80	6,70
	4,0	13,1	18,3	6,40	7,39
	5,0	13,7	23,0	7,35	8,49
	6,0	14,6	27,4	7,71	8,91
	8,0	15,2	36,7	9,53	11,00

550R-SC Rotor – Low Angle Nozzles 12°

Pressure (bar)	Nozzles	Radius (m)	Flow (l/min)	■ (mm/h)	▲ (mm/h)
1,7	1,0	7,6	2,8	2,91	3,36
	1,5	8,2	4,1	3,66	4,22
	2,0	8,8	5,3	4,11	4,74
	3,0	8,8	8,3	6,43	7,43
2,4	1,0	8,5	3,5	2,91	3,36
	1,5	9,1	5,1	3,70	4,27
	2,0	9,4	6,5	4,41	5,10
	3,0	10,0	9,8	5,88	6,79
3,1	1,0	8,8	3,9	3,02	3,49
	1,5	9,4	5,7	3,87	4,47
	2,0	9,7	7,8	4,97	5,74
	3,0	10,3	11,5	6,50	7,51
3,8	1,0	8,8	4,3	3,33	3,85
	1,5	9,4	6,6	4,48	5,17
	2,0	10,0	8,5	5,10	5,89
	3,0	11,0	12,9	6,40	7,39
4,5	1,0	8,8	4,7	3,64	4,20
	1,5	9,4	7,2	4,89	5,65
	2,0	10,0	9,3	5,58	6,44
	3,0	11,0	14,0	6,94	8,02

- Precipitation rates for "square" spacing and full circle operation
- ▲ Precipitation rates for "triangular" spacing and full circle operation
- Spacing based on 100% of radius

The data indicated is the result of tests conducted in zero wind conditions



Codification

Code	Description
550R-SC	550R-SC 3/4" 40-360° turbine sprinkler with 12.7cm riser and slip clutch
550R-SS-SC	550R 3/4" 40-360° stainless steel turbine sprinkler with 12,7cm riser and slip clutch
550RHP-SC	550R SC High Pop: 30 cm riser
550RS-SC	Shrub adapter for 550R SC



Titan

Base connection ¾" female and ½" female side ways

Adjustable arc setting: 20° - 340°

5 interchangeable nozzles (1 pre-installed)

The Titan impact sprinkler is designed for use in small- and medium-sized gardens. The compact design with reinforcement rib on the side ensures durability. The self-cleaning seal removes any debris so that the piston can move up and down without jamming.

Features

- Pressure-activated seal
- Positive left and right stops reduce set-up time by allowing you to quick check the arc
- Part and full-circle model in one unit
- All adjustments made with a standard screwdriver. No special tools required
- Radius reduction screw breaks water into smaller droplets for uniform watering

Additional Features

- Heavy-duty, high impact case with sturdy, reinforced ribbed design
- Unique lip case design aids in setting proper installation height, prevents grass and weeds from growing into head and minimizes backwash
- Weighted spray guide arm controls stream and prevents side splash onto buildings and walkways
- Color coded for an easy nozzles identification

Specifications

- Radius: 9,7 – 13,8 m
- Flow range: 5,7 – 28,7 l/min
- Operating pressure: 2,0 - 3,5 bar
- Diameter: 12,7 cm
- Overall height: 23,6 cm
- Nozzle pre-installed 11,0 l/min (black)





Codification

Code	Description
TITAN	Titan Impact Rotor 20°-340°

Performance

Pressure (bar)	Radius (m)	Flow (l/min)	Nozzles color code	Pattern
2.0	9,7	5,7	Orange	90°
	10,0	7,6	Red	120°
	10,6	11,0	Black	180°
	11,6	14,4	Blue	270°
	11,9	21,9	Green	360°
2.5	10,3	6,4	Orange	90°
	10,8	8,0	Red	120°
	11,4	12,6	Black	180°
	12,2	15,3	Blue	270°
	12,6	23,6	Green	360°
3.0	10,8	7,5	Orange	90°
	11,6	8,7	Red	120°
	12,1	14,2	Black	180°
	12,6	17,1	Blue	270°
	13,3	25,9	Green	360°
3.5	11,0	8,8	Orange	90°
	12,3	9,5	Red	120°
	12,5	15,3	Black	180°
	12,8	19,6	Blue	270°
	13,8	28,7	Green	360°

SPRINKLERS



Platinum

- Inlet: 1" female threaded
- Adjustable arc range: 45° - 360°
- 7 interchangeable nozzles

The Platinum 1" sprinkler is ideal for medium-sized sports fields. All the adjustments can be made on the top of the turbine, and what's more, the permanent arc memory guarantees regular functioning even with accidental tampering.



Features

- The nozzles are easy to fit and remove from the upper part (using a dedicated wrench)
- Standard rubber cover provides added protection against debris
- Part and full-circle model in one unit
- Stainless steel radius adjustment screw allows up to 25% radius reduction
- ArcView arc indicator simplifies adjustments
- Antivandalism permanent arc memory. Resets the sprinkler to the working arc set during adjustment even after alterations during operation.
- Vandalism locking cap screw

Additional Features

- Water-lubricated gear drive assembly enhances reliability
- Nozzle support/Break up screw
- Reversible check valve eliminates low-head drainage
- Also available with stainless steel riser

Specifications

- Radius: 14,9 – 24,1m
- Flow range: 27,9 – 115,9 l/min
- Operating pressure: 2,8 – 6,9 bar
- Cap diameter: 5,6 cm
- Body diameter: 6,9 cm
- Riser height: 12,7 cm
- Body height: 22,4 cm
- Nozzle trajectory: 25°
- Standard nozzle n° 12. Factory arc setting 180°



Top arc indicator allows you to see the arc setting, saving valuable set up time



Performance

Pressure (bar)	Nozzles	Radius (m)	Flow (l/min)	■ (mm/h)	▲ (mm/h)
3,4	7	14,9	27,9	7,50	8,66
	9	15,5	31,3	7,77	8,97
	12	15,5	43,7	10,86	12,54
	16	17,1	57,2	11,79	13,61
	20	17,7	66,4	12,75	14,72
	24	18,3	66,2	11,88	13,72
4,1	27	19,8	88,5	13,54	15,63
	7	15,2	30,6	7,91	9,13
	9	15,9	32,6	7,85	9,06
	12	16,2	47,9	11,02	12,73
	16	18,0	61,4	11,40	13,17
	20	18,6	73,9	12,82	14,80
4,8	24	19,2	73,2	11,92	13,76
	27	22,3	89,2	10,81	12,48
	7	15,5	33,2	8,25	9,52
	9	16,2	35,7	8,21	9,48
	12	16,5	52,3	11,58	13,37
	16	18,6	66,1	11,48	13,26
5,5	20	18,6	78,1	13,56	15,65
	24	19,8	78,3	11,97	13,82
	27	22,9	97,6	11,20	12,94
	7	16,2	35,7	8,20	9,47
	9	16,5	37,6	8,33	9,62
	12	16,8	55,6	11,87	13,71
6,2	16	18,6	71,1	12,34	14,25
	20	19,8	83,9	12,82	14,80
	24	20,4	84,5	12,15	14,03
	27	23,5	103,8	11,31	13,06
	7	16,2	38,8	8,93	10,32
	9	16,8	41,3	8,81	10,18
6,9	12	17,1	59,1	12,18	14,06
	16	19,2	75,7	12,32	14,22
	20	20,4	89,5	12,88	14,87
	24	20,4	90,1	12,97	14,97
	27	23,8	110,0	11,68	13,49
	7	16,8	40,5	8,66	10,00
6,9	9	17,1	43,6	8,98	10,37
	12	17,4	62,5	12,42	14,34
	16	19,2	79,7	12,97	14,97
	20	20,4	94,0	13,52	15,61
	24	21,6	95,6	12,25	14,15
	27	24,1	115,9	11,99	13,85

- Precipitation rates for "square" spacing and full circle operation
- ▲ Precipitation rates for "triangular" spacing and full circle operation
- Spacing based on 100% of radius

The data indicated is the result of tests conducted in zero wind conditions

Codification

Code	Description
PTSPORT-BSP	Platinum Rotor 1", 45°-360°
PTSPORT-BSP-SS	Platinum Rotor 1", 45°-360°, stainless steel riser

SIS 120F and SIS 120P



Inlet: 1 ½" female threaded

2 models:

- SIS120F: full circle 360°
- SIS120P: part circle: 30° - 330°

Nozzles range: 7 – 17,5 mm

The SIS series impact sprinklers are intended for use on sport fields and in parks and also allow filling natural grass in sod cup.



Features

- High rotation speed < 1 min/360°
- High stability of the water jet even in wind-exposed areas
- All installation and maintenance operations can be performed from the top of the sprinkler (also in the version with valve in head)
- Also suitable for gray water
- SIS120F model with bowl for synthetic lawn

SIS120P model:

- Sector easily adjustable - no tools required
- SIS120PG and SIS120PGV models have synthetic turf cover with flexible cushioning to reduce the risk of player injuries

Additional Features

- Removal of the cover with just one click for easy and fast maintenance
- Improved performance efficiency through stainless steel riser
- Manual control possible from the top of the sprinkler (ON-OFF-AUTO)
- Excellent water distribution uniformity certified by CIT

Specifications

- Radius: 19,0 – 38,0 m
- Flow range: 4,6 - 28,6 m³/h
- Operating pressure: 3,0– 7,0 bar
- Trajectory: 22°

SIS 120F and SIS 120P



Sprinkler type	SIS120-PG	SIS120-PGV	SIS120-F	SIS120-FV
Installation height	394 mm	472 mm	584 mm	662 mm
Rising height	107 mm	107 mm	205 mm	205 mm
Outer Ø housing	247 mm	247 mm	251 mm	251 mm
Outer Ø id	181 mm	181 mm	223 mm	223 mm

Performance

Part circle model

2 Nozzles SIS120P	Nozzle 7 mm		Nozzle 8 mm		Nozzle 9 mm*		Nozzle 10 mm		Nozzle 11 mm		Nozzle 12 mm		Nozzle 13 mm		Nozzle 14 mm		Nozzle 15 mm		Nozzle 17,5mm	
Operating pressure	m³/h	m	m³/h	m	m³/h	m	m³/h	m	m³/h	m	m³/h	m	m³/h	m	m³/h	m	m³/h	m	m³/h	m
3,0 bar	4,6	19	5,7	19,5	6,8	20	7,9	20,5	8,8	21	10	21,5	11,2	22	12,7	22,5	14,1	23	17	24
4,0 bar	5,2	19,5	6,5	20,5	7,8	21,2	9	21,9	10,2	23	11,5	24	12,9	25	14,6	26	16,3	27	19,6	28
5,0 bar	5,8	20,6	7,2	21,5	8,7	22,4	10	23,3	11,3	24,8	12,8	26,5	14,4	27,5	16,3	29	18,1	30	21,8	31
6,0 bar	6,4	21,4	7,9	22,5	9,5	23,6	11	24,7	12,4	26,6	14	28	15,7	29	17,8	30,5	19,8	32	23,9	34
7,0 bar	6,8	21,9	8,5	23,3	9,2	24,7	11,8	26,1	13,3	27,9	15,1	29,4	16,9	30,5	19,2	32	21,4	33,5	25,8	36,5
8,0 bar	7,3	22,3	9,1	24,0	10,9	25,7	12,6	27,4	14,2	29,1	16,1	30,7	18,9	32,0	20,5	33,5	22,9	35,0	27,5	38,0

Full circle model

3 Nozzles SIS120F	Nozzle 7 mm		Nozzle 8 mm		Nozzle 9 mm		Nozzle 10 mm		Nozzle 11 mm		Nozzle 12 mm		Nozzle 13 mm*		Nozzle 14 mm		Nozzle 15 mm		Nozzle 17,5mm	
Operating pressure	m³/h	m	m³/h	m	m³/h	m	m³/h	m	m³/h	m	m³/h	m	m³/h	m	m³/h	m	m³/h	m	m³/h	m
3,0 bar	5,6	19	6,7	19,5	7,8	20	8,9	20,5	9,8	21	11	21,5	12,2	22	13,7	22,5	15,1	23	18	24
4,0 bar	6,3	19,5	7,6	20,5	8,9	21,2	10,1	21,9	11,3	23	12,6	24	14	25	15,7	26	17,4	27	20,7	28
5,0 bar	7,1	20,6	8,5	21,5	10	22,4	11,3	23,3	12,6	24,8	14,1	26,5	15,7	27,5	17,6	29	19,4	30	23,1	31
6,0 bar	7,9	21,4	9,4	22,5	11	23,6	12,5	24,7	13,9	26,6	15,5	28	17,2	29	19,3	30,5	21,3	32	25,4	34
7,0 bar	8,3	21,9	10,1	23,3	11,8	24,7	13,4	26,1	14,9	27,9	16,7	29,4	18,5	30,5	20,8	32	23	33,5	27,4	36,5
8,0 bar	9,0	22,3	10,8	24,0	12,7	25,7	14,3	27,4	16,0	29,1	17,8	30,7	19,8	32,0	22,2	33,5	24,6	35,0	28,6	38,0

* Standard Nozzle

Radius is the result of tests conducted in real outdoor conditions, with sprinkler installed at ground level (model without valve)

Codification

Code	Description
SIS120-F	Impact sprinkler SIS120 1 ½", 360° with sod cup
SIS120-FV	Impact sprinkler SIS120 1 ½", 360° with sod cup and valve in head
SIS120-P	Impact sprinkler SIS120 1 ½", 30°-330°
SIS120-PV	Impact sprinkler SIS120 1 ½", 30°-330° with valve in head
SIS120-PG	Impact sprinkler SIS120 1 ½", 30°-330° with artificial grass
SIS120-PGV	Impact sprinkler SIS120 1 ½", 30°-330° with artificial grass and valve in head

SPRINKLERS

SGS103



Inlet: 1 ½" female threaded made of brass

Adjustable arc: 30° - 330°

Nozzles range: 7 - 11 mm



The SGS103 turbine is intended for use on synthetic grass sports field. Manual arc control and valve pressure adjustment are easy and fast on top of the sprinkler.

Features

- High rotation speed 60-140 sec/180°
- Adjusting the sector is also possible when the sprinkler is in operation
- All installation and maintenance operations can be performed from the top of the sprinkler
- Central flow system reduces hydraulic friction and improves the performance efficiency
- Manual control and pressure regulation can be adjusted from the top of the sprinkler (ON-OFF-AUTO)
- Nozzles replaceable from outside
- Housing cover and sprinkler head are covered with synthetic lawn

Additional Features

- Cover form-fitted to the body and secured with a screw
- Form-fitting fixation of the riser inlet filter with screws to avoid loosening of the inlet nozzle/stator even under pressure surges
- Flushing techniques ensure positive pop-up and pop-down
- High endurance ball bearings used inside the sprinkler

Specifications

- Radius: 20,0 - 31,5 m
- Flow range: 4,2 - 12,8 m³/h
- Operating pressure: 4,0– 7,0 bar
- Trajectory: 25°



Installation height	350 mm
Rising height	80 mm
Outer Ø housing	172 mm
Outer Ø lid	65 mm



Performance

Operating pressure	Nozzle 7 mm		Nozzle 8 mm		Nozzle 9 mm		Nozzle 10 mm*		Nozzle 11 mm	
	m³/h	m	m³/h	m	m³/h	m	m³/h	m	m³/h	m
4,0 bar	4,2	20	5,4	22	6,3	23,5	7,5	24	8,6	25
5,0 bar	4,8	22	6	24	7,1	25,5	8,4	27	9,7	28
6,0 bar	5,2	24	6,5	26	7,8	27,5	9,2	29	10,6	30
7,0 bar	5,6	25	7	27	8,5	28,5	10	30	11,4	31,5

* Standard nozzle

Radius is the result of tests conducted in real outdoor conditions, with sprinkler installed at ground level (model without valve)



Codification

Code	Description
SGS103	SGS103 1 1/2" turbine sprinkler with valve in head and synthetic lawn

SPS178



Brass inlet with 2" female thread

Full and part circle sprinkler

Nozzle range: 16 - 24 mm



The SPS178 pop-up sprinkler is the most powerful sprinkler in the Irritrol range. It is intended for use on synthetic grass football fields and all large sports fields. It is installed outside the playing area without needing to install further sprinklers in the field. In fact, it ensures even coverage thanks to its wide range of 54 metres, which, together with the reduced water requirements, make it unique of its kind.

Features

- Rotation time 180°:
from min. 50 to max 120 sec at 4-8 bar
- New technology nozzles to achieve excellent uniformity and reduced water consumption even with a radius of over 50m.
- One piston for precise irrigation
- Valve in head for individual control and a time-saving and cost-efficient installation. Flow-optimized valve with very low pressure loss
- Slow valve closure to prevent water hammers
- The solenoid valve and all the other parts are fitted at the top of the sprinkler for easy maintenance
- Lid with bowl for synthetic lawn



Additional Features

- One main nozzle and a further 3 smaller nozzles to optimize covering close to the sprinkler
- Filter (50 micron) built into the body for the control water
- Hard-wearing ball bearings fitted in the sprinkler
- Self-draining when the connection hose is not pressurized

Specifications

- Radius: 34.0 – 54.0 m
- Flow rate: 23.0 – 65.0 m³/h
- Operating pressure: 4.0– 8.0 bar
- Trajectory: 25°
- Solenoid 24 VAC - 50 Hz
 - Inrush current 0,34 A
 - Holding current 0,20 A

Total height	720 mm
Turret rising height	120 mm
Exposed surface diameter	350 mm
Turret diameter	267 mm

Performance

Operating pressure	Nozzle 16 mm		Nozzle 20 mm*		Nozzle 24 mm	
	m ³ /h	m	m ³ /h	m	m ³ /h	m
4,0 bar	25,9	34	36,1	40	48,7	42
5,0 bar	29	37	40,4	42	54,4	44
6,0 bar	31,7	40	44,3	45	59,6	49
7,0 bar	34,3	42	47,9	48	64,4	52
8,0 bar	36,7	44	51,2	50	68,9	54

*Nozzle standard

Radius is the result of tests conducted in real outdoor conditions, with sprinkler installed at ground level (model without valve)

Codification

Code	Description
SPS178	Piston Sprinkler 2" 0-360° valve in head and bowl for synthetic lawn

WT118



- Possibility to define the path to follow
- Full or partial irrigation
- Materials: alu, brass durable engineering plastic

WT118 is a tractor sprinkler that irrigates on its own, it is ideal for irrigation of large green areas and sports fields, but also nurseries and gardens. Thanks to its compact design and the little maintenance required, the Irritrol tractor is an innovative easy-to-use product.



Operation

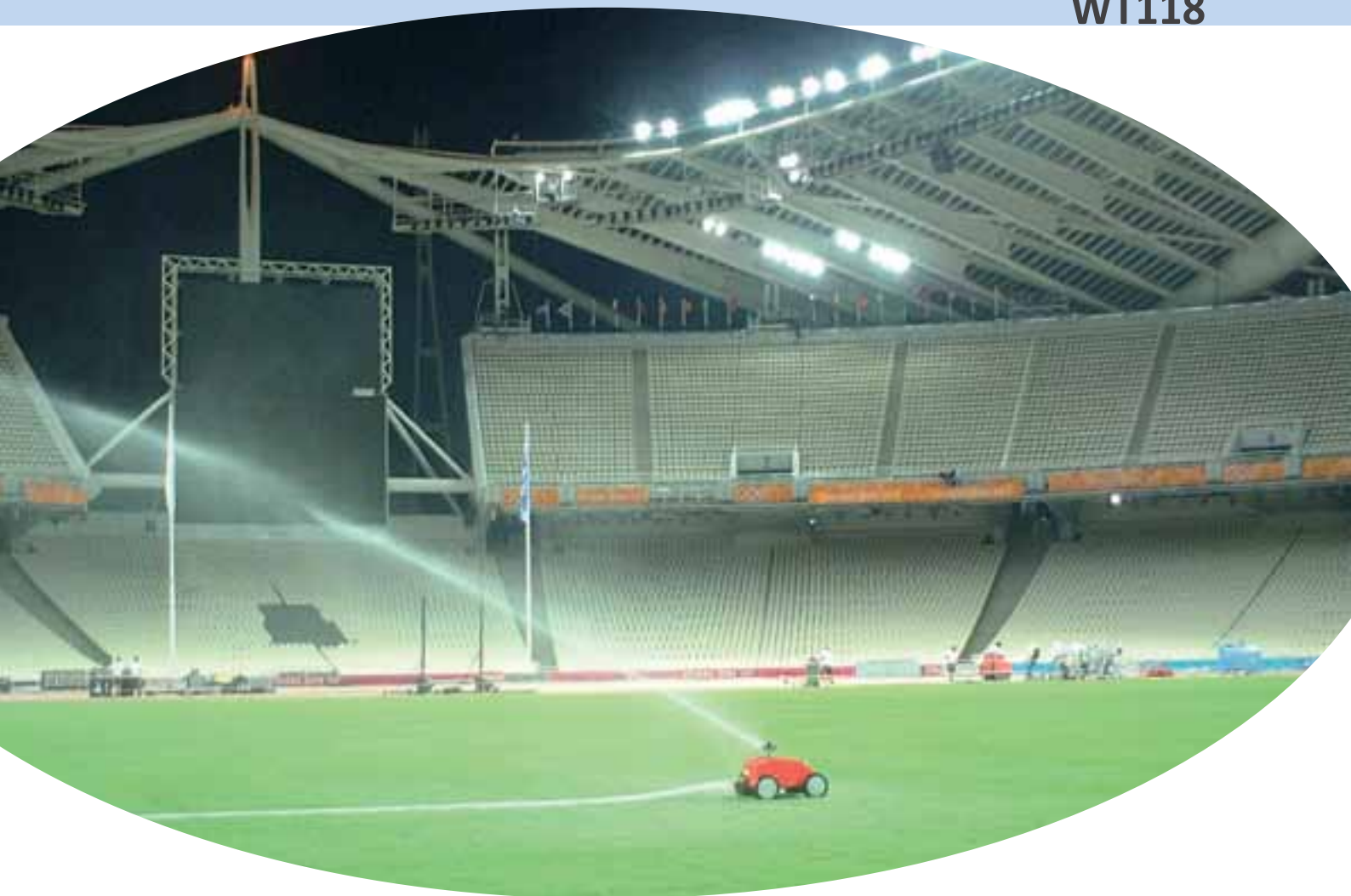
The WT118 starts moving as soon as the water supply is turned on and is slowly drawn on the grass, along the previously laid out nylon cable. At the end of the designated area the WT118 automatically stops water flow and irrigation.

Features

- Travelling speed: 10 – 20 m/h
- Definition of the area to irrigate
- The water flow is adjustable for better adaptation to different applications
- Water distribution is uniform thanks to the accuracy of the sprinkler located on the tractor and the constant speed of the vehicle
- The sealed gears have a very low friction factor and are therefore practically maintenance free
- Using a part circle sprinkler the WT118 always travels on dry grass

Specifications

- Width of irrigation: 28,0 – 36,0 m
- Length of irrigation area: 120 m
- Flow rate: 58 l/min
- Operating pressure: min 3,0 bar (at inlet sprinkler)
- Total weight: 27Kg
- Overall measurements: 77x47x40 cm
- The hose is not included with the sprinkler:
 - Inner diameter not less than 25 mm
 - Length minimum: 60 m



Performance

	4,0 bar		5,0 bar		6,0 bar		7,0 bar	
Nozzle	Radius (m)	Flow range (m³/h)	Radius (m)	Flow range (m³/h)	Radius (m)	Flow range (m³/h)	Radius (m)	Flow range (m³/h)
7 mm	18,8	3,49	19,8	4,09	20,8	4,44	21,8	4,61



Nozzle	Operating pressure (bar)	Speed (m/h)	Flow range (m³/h)
7 mm	4	10 ↕ 22	3,2
	5		↕
	6		4,2
	7		

Codification

Code	Description
WT118	Water Tractor



ACCESSORIES



Hercules Valve Boxes



Hercules is the new Irritrol's valve boxes range, a whole brand created to join together maximum protection of underground systems (valves and related instruments), and handiness of use, with ease of installation and adjustment for existent or new irrigation systems.

Codification

Features

Resistance

Versatility

Range in line with the standard EN124, designed to support loads of up to 1.5 tons

Circular models:

Lid:

- Double-hole handle, with opening direction indicated
- Bayonet coupling system, with optional locking screw
- Circular border covering the body, rapid positioning and water/earth entrance prevention
- Anti-slip surface
- Grass green color

Body:

- Conical shape, for underground fastness
- Reinforced wall thickness against structural collapse
- Ready to use pipe inlet slots, easily enlargeable

Rectangular models:

Lid:

- Access handle for easy opening
- Perimetric border covering the body, rapid positioning and water/earth entrance prevention
- Optional locking screw
- Anti-slip surface
- Grass green color

Body:

- Oblique shape for underground fastness
- Innovative wall design for rapid and safe opening for tube entrances, without the necessity of electric power on site
- Reinforced angles against structural collapse

Basic models without holes

Code	Description
EU-HCS	Small circular valve boxe with lid*
EU-HCM	Medium circular valve boxe with lid*
EU-HRS	Standard rectangular valve boxe with lid without holes
EU-HRJ	Jumbo rectangular valve boxe with lid without holes
EU-HCSL	Lid for small circular valve boxe*
EU-HCML	Lid for medium circular valve boxe*
EU-HRSL	Lid for standard rectangular valve boxe without holes
EU-HRJL	Lid for jumbo rectangular valve boxe without holes

* Optional tightening after manual hole drilling and EU-HCK locking kit purchasable separately

Models with one hole - EU-HRK locking kit not included

Code	Description
EU-HRSO	Standard rectangular valve boxe with lid with one hole
EU-HRJO	Jumbo rectangular valve boxe with lid with one hole
EU-HRSLO	Lid for standard rectangular valve boxe with one hole
EU-HRJLO	Lid for jumbo rectangular valve boxe with one hole

Models with multiple holes (tightening hole and ventilation holes) EU-HRK locking kit not included

Code	Description
EU-HRSM	Standard rectangular valve boxe with lid with multiple holes
EU-HRJM	Jumbo rectangular valve boxe with lid with multiple holes
EU-HRSLM	Lid for standard rectangular valve boxe with multiple holes
EU-HRJLM	Lid for jumbo rectangular valve boxe with multiple holes

ACCESSORIES

Code	Description
EU-HCK	Locking kit for circular models (M5x35 screw + M5x8 hexagonal nut)
EU-HRK	Locking kit for rectangular models (M6x25 hexagonal bolt + M6 G 24x16x11 plate)
EU-HRC	Cable holder for rectangular models

Hercules Valve Boxes

Circular model sizes

The sizes are expressed in cm

SMALL CIRCULAR



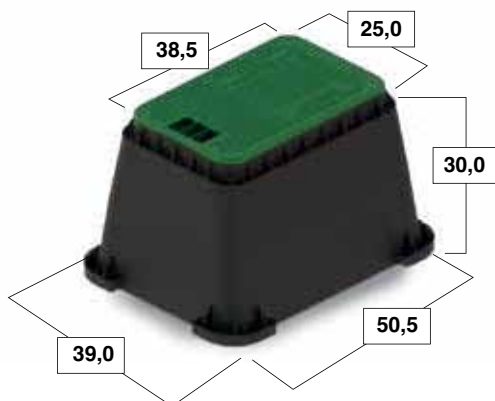
MEDIUM CIRCULAR



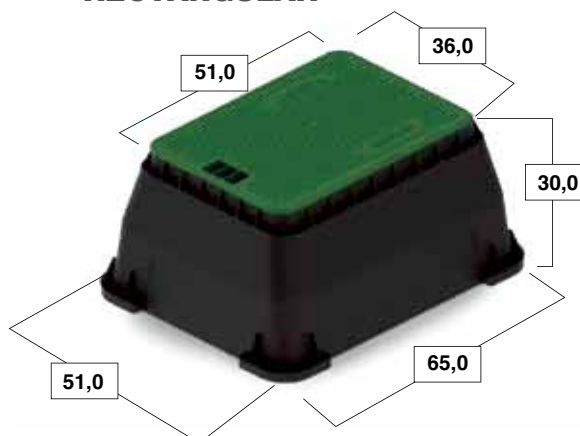
Rectangular model sizes

The sizes are expressed in cm

STANDARD RECTANGULAR



JUMBO RECTANGULAR



Patented design: UAMI No. 002417675

Customisable lid - contact us for details

ACCESSORIES

Climate Logic

Wireless system for measuring evapotranspiration in your garden



Features

- Adjustment of the water budget per program
- Possibility of going over 100% of the water budget if necessary
- Possibility of deciding during the day when to start and/or stop irrigation (0-24 hours)
- Possibility of defining the time interval on which to base evapotranspiration calculation (1-7 days)
- Automatic system shutdown in case of rain or very low temperatures
- Definition of the system reactivation times after a thunderstorm or frost
- Storage of all the daily data collected for 2 years



Componenti

1. Weather transmitter:

- Collects the data from the sensors and sends them to the receiver module
- Composed of:
 - Rain sensor
 - Air temperature sensor
 - Solar radiation sensor

2. Receiver module:

- Converts the data received and adds them to those of the database taking as reference the meteorological data of the worst month for the place where it is located
- Modifies the water budget data of the control unit
- Connected to the control unit with only one adapter cable

3. SD Meteo Card:

- Database that contains the European meteorological data of the last 10 years
- The place where it is located is identified by entering the latitude and the longitude

Remote Control Kit



Technical Specifications

- Connection via radio for easy and fast wireless installation
 - Maximum distance of 300 metres for the radio connection between the weather transmitter and the receiver module
- Control of several receiver modules with only one weather transmitter
 - System compatible with:
 - Kwik Dial
 - Rain Dial (also the old model)
 - Total Control (also the old model)
 - MC-E
- Automatic identification of the receiver module with the control unit used

Electrical Specifications

- Weather transmitter:
 - 9V battery (lifetime 5 years)
 - Sustainable temperature between -10° and +60°C
- Receiver module:
 - Power supply from the control unit 5VDC
 - The same model for both indoors and outdoors

Options

- Remote control with simple ON/OFF functions that communicates directly with the receiver module (maximum distance 300 metres). Work also without Climate Logic.

Codification

Code	Description
CL-100W-EU	Climate Logic system, weather transmitter, receiver module and adapter cable
CL-W1-EU	Weather transmitter for Climate Logic
CL-M1-EU	Receiver module for Climate Logic
R-100-KIT-EU	Remote control kit, mini receiver and adapter cable

Rain Sensors



RS500 - Hard-wired model

- Fully adjustable shutoff points from 3-25mm of accumulated rainfall
- Compatible with virtually all controllers
- 7,6 m cable (white, UV resistant, UL-rated) provides installation flexibility

RS1000 - Wireless model

- Fully adjustable shutoff points from 3-25mm of accumulated rainfall
- Compatible with nearly all 24VAC controllers
- Enhanced communication and signal link integrity features
- 91,4 m transmission range offers virtually limitless installation options
- Easy, versatile one-piece mounting requires no special tools.
- Signal strength indicator
- Smart Bypass™ for easy system override – sensor switches back automatically on next activation
- Slide-snap-on cover protects receiver from the elements
- Five-year battery life



RSF1000 – Wireless model (Rain/Freeze)



- Rain and freeze sensors fully integrated into one unit
- Digital, highly accurate 5°C activation point

Operating specifications

- Sensor type: industry-standard hygroscopic discs
- Operating temperature: from -29°C to +49°C
- Materials: UV-resistant engineered polymer
- Wireless only features:
 - Transmission range: up to 91,4 m line of sight
 - Battery: two CR2032 da 3V cells

Electrical Specifications

- Receiver power: 22-28VCA, 100 mA (to be used with class 2, UL-approved transformer)
- Load rating: normally open or normally closed (3A@24VCA)
- UL listed

Codification

Shutoff Point

1/8"	Rainfall 3 mm
1/4"	Rainfall 6 mm
1/2"	Rainfall 13 mm
3/4"	Rainfall 19 mm
1"	Rainfall 25 mm

Code	Description
RS500	Irritrol rain sensor wired (length 7,6m)
RS1000-I	Irritrol rain sensor wireless
RFS1000-I	Irritrol rain and freeze sensor wireless

Pressure Regulators

Features

- Ideal for areas where there are low flow and low pressure requirements and the incoming supply pressure is variable.
- The plunger and valve assembly are constructed of DuPont ZYTEL for longer life and constant operation
- Body in high quality ABS plastic, sonic welded for extra security
- Silicone O-rings for reduced pressure loss
- Stainless steel return springs.



Specifications

- Inlet: ¾" male and female threaded
- Operating pressure: 1,4 – 7,0 bar

Model 15

Inlet pressure (bar)	Outlet pressure (bar)				
1,4	0,87	1,22	1,07	0,90	0,87
2,1	1,21	1,38	1,35	1,19	1,19
2,8	1,44	1,42	1,35	1,24	1,22
3,4	1,48	1,43	1,34	1,25	1,19
4,1	1,47	1,45	1,32	1,23	1,18
4,8	1,47	1,46	1,32	1,19	1,15
5,5	1,47	1,46	1,32	1,17	1,13
6,2	1,46	1,49	1,31	1,16	1,15
6,9	1,44	1,46	1,31	1,16	1,15
l/min	3,8	7,6	15,1	22,7	30,3

Model 19

Inlet pressure (bar)	Outlet pressure (bar)				
1,4	1,04	1,30	1,03	0,76	0,57
2,1	1,34	1,50	1,39	1,05	0,79
2,8	1,51	1,58	1,51	1,33	1,03
3,4	1,59	1,56	1,51	1,41	1,23
4,1	1,61	1,55	1,48	1,41	1,34
4,8	1,59	1,52	1,46	1,37	1,30
5,5	1,59	1,51	1,44	1,35	1,26
6,2	1,55	1,49	1,41	1,35	1,26
6,9	1,50	1,48	1,38	1,32	1,23
l/min	3,8	7,6	15,1	22,7	30,3

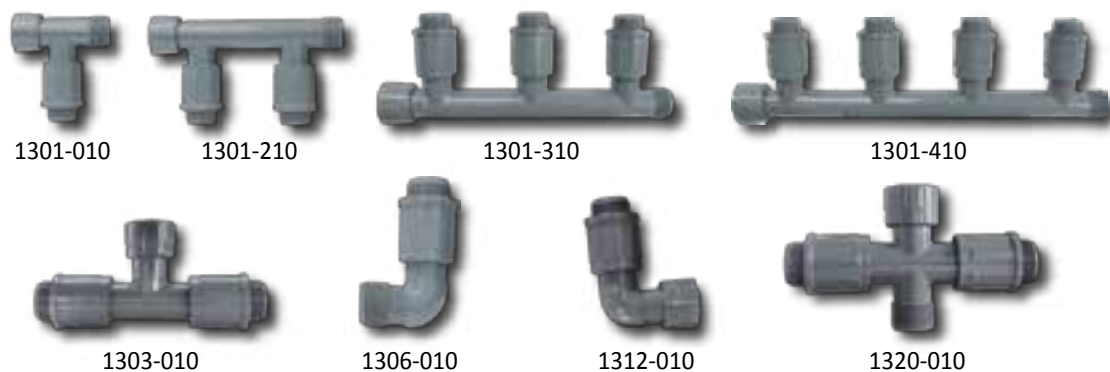
Model 25

Inlet pressure (bar)	Outlet pressure (bar)				
1,4	1,33	1,36	1,30	1,20	1,06
2,1	2,02	1,92	1,78	1,63	1,47
2,8	2,08	2,01	1,90	1,80	1,69
3,4	2,13	2,01	1,91	1,82	1,73
4,1	2,14	2,01	1,92	1,80	1,72
4,8	2,14	1,97	1,93	1,77	1,69
5,5	2,09	1,97	1,92	1,76	1,67
6,2	2,07	1,88	1,94	1,76	1,66
6,9	2,01	1,88	1,95	1,75	1,63
l/min	3,8	7,6	15,1	22,7	30,3

Codification

Code	Description
IT-VRR2020151	Pre-set pressure regulator ¾", model 15
IT-VRR2020191	Pre-set pressure regulator ¾", model 19
IT-VRR2020251	Pre-set pressure regulator ¾", model 25

Lasco PVC



Features

- Assembly of valves in a group more quickly and without the use of Teflon
- "Valve Connection" sliding without the need to add new parts
- O-ring that guarantees the absence of dripping
- Cannot be used in piping systems with compressed air or gas

Specifications

- Inlet: 1"
- Operating pressure: 10,0 bar

Codification

Lasco PVC manifolds for valves with male thread

Code	Description
1301-010	Lasco manifold Tee 1" - Swivel + one connection valve + male thread
1301-210	Lasco manifold Double Tee 1" - Swivel + two connections valve + male thread
1301-310	Lasco manifold Triple Tee 1" - Swivel + three connections valve + male thread
1301-410	Lasco manifold Quadruple Tee 1" - Swivel + four connections valve + male thread
1303-010	Lasco 1" T-manifold - ring nut + two valve connections + male thread
1306-010	Lasco manifold Elbow 1" - male thread + one connection valve
1312-010	Lasco 1" elbow manifold - ring nut + one valve connection + male thread
1320-010	Lasco manifold Cross 1" - Swivel + two connections valve + male thread

Lasco PVC



Attention

- To modify these products drops the two years warranty
- Don't use harmful products to PVC

Codification

Lasco PVC manifolds for valves with female thread

Code	Description
1201-010	Lasco 1" T-manifold - ring nut + one valve connection + female thread
1201-210	Lasco 1" double T-manifold - ring nut + two valve connections + female thread
1201-310	Lasco 1" triple T-manifold - ring nut + three valve connections + female thread
1201-410	Lasco 1" quadruple T-manifold - ring nut + four valve connections + female thread
1203-010	Lasco 1" T-manifold - ring nut + two valve connections + female thread
1206-010	Lasco 1" elbow manifold - male thread + one valve connection + female thread
1212-010	Lasco 1" elbow manifold - ring nut + one valve connection + female thread
1220-010	Lasco 1" cross-manifold - ring nut + two valve connections + female thread
1239-131	Lasco adaptor 1" Male x 3/4" Female
1282-010	Lasco adaptor 1" Male x 1" Male
1282-131	Lasco adaptor 1" Male x 3/4" Male

Blue Twister



3100-005



3101-004



3300-005
3300-007



3201-004



3302-005



3400-005
3400-007

Specifications

- Sprinkler inlet: 1/2" e 3/4"
- To use with Super Blue Flex Hose or other pipes in PE with an internal diameter of 12,5 mm and a thickness
- Max operating pressure: 7,0 bar

Features

- Double helix inlet self-tapping
- Easy and quick installation; Just twist the pipe and let the Double Helix pull the pipe onto the fitting
- No special tool required
- Materials: acetalic
- Patent pending

Codification

Code	Description
3100-005	Lasco Blue Twister manifold - Tee 1/2" male + two x double helix inlet male
3101-004	Lasco Blue Twister manifold - Tee 1/2" male + three x double helix inlet male
3300-005	Lasco Blue Twister manifold - Elbow 1/2" male + one double helix inlet male
3300-007	Lasco Blue Twister manifold - Elbow 3/4" male + one double helix inlet male
3302-005	Lasco Blue Twister manifold - Elbow 1/2" female + one double helix inlet male
3201-004	Lasco Blue Twister joint 1/2" male + two x double helix inlet male
3400-005	Lasco Blue Twister joint 1/2" male + one x double helix inlet male
3400-007	Lasco Blue Twister joint 3/4" male + one x double helix inlet male

Swivel fittings



IT-FPT9224



IT-FPT9260



IT-FPE9218



IT-FPE9220



IT-FPC9232
IT-FPC9265



IT-FPN9270

Features

- Quick valve installation thanks the swivel joints (SJ)
- Tee and elbow models
- Material: polypropylene

Specifications

- Thread: 1"

Codification

Code	Description
IT-FPT9260	Modular Tee fitting 1"Mx1"SJx1"SJ with O-ring
IT-FPT9224	Modular Tee fitting 1"SJx1"SJx1"SJ with O-ring
IT-FPC9232	Modular compression fitting ø32mmx1"SJ (female thread)
IT-FPC9265	Modular compression fitting ø25mmx1"SJ (female thread)
IT-FPE9218	Modular elbow fitting 90° 1"SJx1"SJ
IT-FPE9220	Modular elbow fitting 90° 1"Mx1"SJ
IT-FPN9270	Nipple 1"Mx1"M with O-ring

Modular manifold



Features

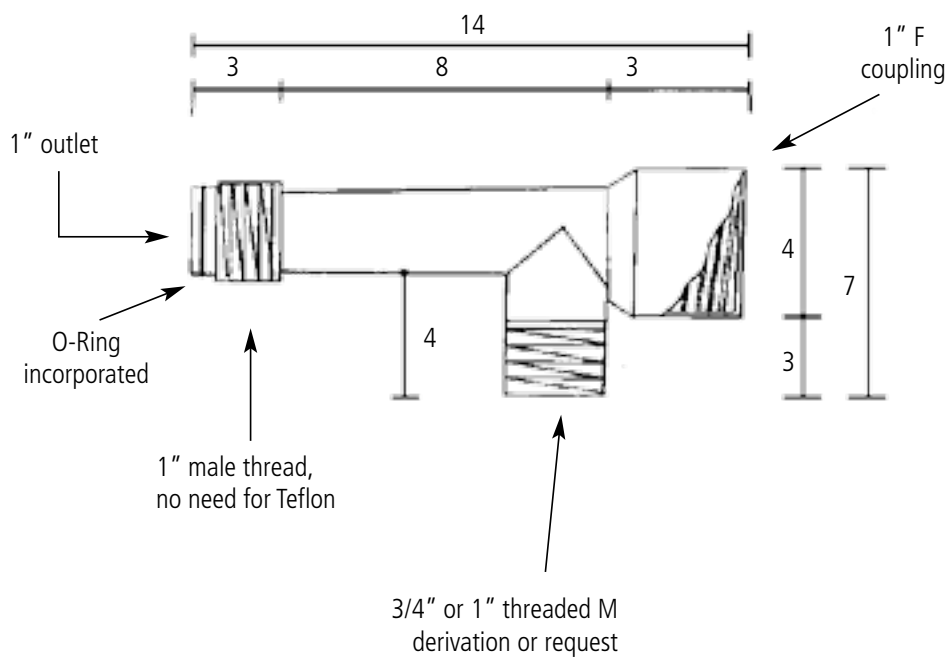
- Quick assembly of valve groups, without needing Teflon or adhesives
- Seal O-ring allows rotation of manifolds without leaks
- Simplifies servicing

Specifications

2 models:

- Thread: 1" F x 3/4" M x 1" M
- Thread: 1" F x 1" M x 1" M

Manifold Dimensions (cm.)



Codification

Code	Description
EU-FMV020-1	Modular manifold 1" F x 3/4" M x 1" M
EU-FMV025-1	Modular manifold 1" F x 1" M x 1" M

Super Blue Flex Hose

Features

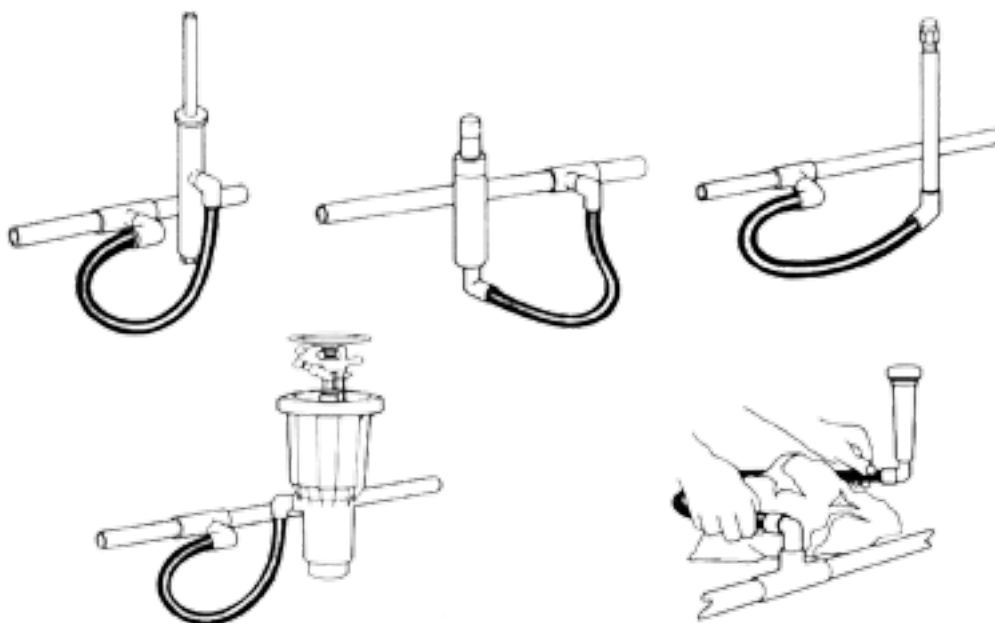
- Very low density polyethylene
- High flexibility
- The reels are wound to allow unwinding from center of coil
- Compatible with all fittings ranges of: Toro, Rain Bird, Olson E-Z-El, Dura



Specifications

- Reel length: 30 m
- Inside tube diameter 12,5 mm
- Minimum wall thickness 2,4 mm
- Maximum working pressure, 5,5 bar at 35°C

EXAMPLES OF INSTALLATION



Codification

Code	Description
EHD1295-010-D	Super Blue Flex Hose – flexible reel 30 m

Waterproof connector



Features

- Waterproof connection
- Operating temperature: 105°C maximum
- Housing section cables: 5, 10 mm²
- For cables with section less than 1 mm² is necessary strip, fold them on themselves, rolling them into and put them in yellow clamp

Specifications

- Red clamps: 5 – 10 mm²
- Suitable for electrical connection up to 30 V

Codification

Code	Description
IT-VCCDBR	Plastic tube with insulating Gel for red clamp. Section 5-10 mm ²

Blazing waterproof connectors

Features

- Superior wire restraint and an ease of use that is unrivaled
- Filled with high grade silicone that won't harden or run

Specifications

- Blue connector for cable from 0,5 to 1,5mm²
- Yellow connector for flexible cable from 0,5 to 1,5 mm² and stiff cable from 2,0 to 3,5 mm²
- Suitable for electrical system up to 50V – 10 A
- Resistant to temperatures up to 107°C
- UL486D listed (CEI EN 60947-7-1/-2)



Codification

Code	Description
BVS-1	Blazing waterproof connector 0,5 – 1,5 mm ² - Blue
BVS-2	Blazing waterproof connector 0,5 – 3,5 mm ² - Yellow

Cut-off risers

Features

- To connect directly to the sprinkler
- Possibility of cut to any height
- Also used with the bubbler



EU-TPR1515-1

EU-TPR1520-1
IT-TPR15201

EU-TPR2020-1

Specifications

Thread: $\frac{3}{4}$ " e $\frac{1}{2}$ "

Codification

Code	Description
EU-TPR1515-1	Cut off riser 1/2"x1/2"
EU-TPR1520-1	Cut off riser 1/2"x3/4"
IT-TPR15201	Cut off riser to screwing 1/2"x3/4"
EU-TPR2020-1	Cut off riser 3/4"x3/4"

Blazing saddles

Features

- Made of high impact ABS
- Reduction of the costs of labor and training of coring
- Quick installation to tap polyethylene pipe or PVC
- No special tool required

Specifications

Thread: $\frac{1}{2}$ " e $\frac{3}{4}$ "

Tested to over 1 million on/off cycles, to 4,2 bar without leak



Codification

Code	Description
BS2550	Blazing Saddle for pipe $\varnothing$ 25 mm – $\frac{1}{2}$ " female
BS2575	Blazing Saddle for pipe $\varnothing$ 25 mm – $\frac{3}{4}$ " female
BS2590	Blazing Saddle for pipe $\varnothing$ 25 mm – with graft 3/8" for Blue Flex Hose
BS3350	Blazing Saddle for pipe $\varnothing$ 33 mm – $\frac{1}{2}$ " female
BS3375	Blazing Saddle for pipe $\varnothing$ 33 mm – $\frac{3}{4}$ " female
BS3390	Blazing Saddle for pipe $\varnothing$ 33 mm – with graft 3/8" for Blue Flex Hose
BS4050	Blazing Saddle for pipe $\varnothing$ 33 mm – $\frac{1}{2}$ " female
BS4075	Blazing Saddle for pipe $\varnothing$ 40 mm – $\frac{3}{4}$ " female
BS4090	Blazing Saddle for pipe $\varnothing$ 40 mm – with graft 3/8" for Blue Flex Hose

Self-threading elbow



Features

- Automatic threading of the hose onto the elbow union
- No Teflon or adhesives required
- 90° design for easy installation
- Use it with Super Blue Flex Hose

Specifications

- Thread: ½" e ¾" male
- Maximum operating pressure: 7,0 bar

Codification

Code	Description
IT-FEM1515	½" Self-threading Elbow 90° for Super Blue Flex Hose
IT-FEM2015	¾" Self-threading Elbow 90° for Super Blue Flex Hose

Blazing Elbow



Features

- Drainage fittings
- Automatic threading of the hose onto the elbow union
- No special tools required
- 90° design for easy installation

Specifications

- Thread: ½" e ¾" male

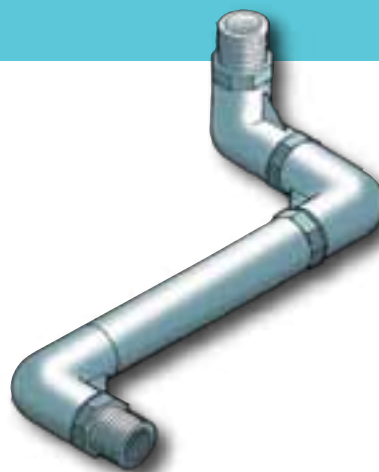
Codification

Code	Description
FP1800	Blazing Drainage Elbow – graft ½" male
FP1900	Blazing Drainage Elbow – graft ¾" male

Swing joint

Features

- Body in Hi-Impact PVC
- 360° rotation in three directions
- Essential for perfect ground leveling of sprinklers
- Ready-made assembly that simplifies and speeds up installation of irrigation systems



Specifications

- Thread: 1" e 1 1/2" male
- Maximum operating pressure: 13,6 bar at 22°C

Codification

Code	Description
IT-TPK025	Swing Joint of 2 x 1" male, 30,5 cm
IT-TPK040	Swing Joint of 2 x 1 1/2" male, 30,5 cm

Antivandalism union

Features

- Prevents malfunction of the system due to tampering

Specifications

- Thread: 1/2" e 3/4"



Codification

Code	Description
TAV015	Antivandalism Union 1/2"M x 3/4"F
TAV020	Antivandalism Union 3/4"M x 3/4"F



Blazing cutters

Features

- Adjustability to cut the polyethylene pipe and PVC of different dimensions
- Ensuring a clean, precise and straight cut

Specifications

Pipes: 40 mm

Codification

Code	Description
RC1000	Blazing Economic Cutter (for pipe 40 mm)
BLRC50	Replacement blade for RC5000 cutter model
BLRC70	Replacement blade for RC7000 model

Check valve



Features

- Prevents low head drainage for sprinklers located on slopes
- Permits an immediate lock after watering has been complete
- Material: plastic

Codification

Code	Description
IT-VHCV015	Check Valve 1/2" in plastic
IT-VHCV020	Check Valve 3/4" in plastic

Specifications

- Thread: 1/2", 3/4"
- Adjustment: 0,12-0,96 bar
- Shuts off when the pressure drops below 0,4 bar
- Turning clockwise increases the shut off pressure by about 0,12 bar each turn

Drain valve



Features

- Used to drain out the piping after watering has been complete
- Material: bronze

Specifications

- Thread: ½"
- One spring automatically opens the valve when the pressure drops below 0,2 bar

Codification

Code	Description
IT-VAD0150	Drain valve ½" in bronze

Blazing drains valves

Features

- Gradual drainage avoids soggy patches
- Turbulent flushing action with every on/off cycle
- When the irrigation system pressure is off the EPDM ball seats in new orientation every cycle
- Made of High Grade ABS material

Specifications

- Inlet: ½" and ¾" male
- Automatically opens when the pressure drops below 7,0 – 1,0 bar



22163



23167



SD 1000

Codification

Code	Description
22163	Blazing drain valve for lateral line – ½" male
23167	Blazing drain valve for lateral line – ¾" male
SD1000	Blazing siphon drain

ACCESSORIES



MICRO IRRIGATION FOR LANDSCAPE



Neptune PC – Woodland Brown

Pressure compensating flat emitter Drip line

Neptune PC – Woodland Brown is an ANTI-SIPHON drip line with built-in Pressure-Compensating emitter.

The emitter's pressure compensating mechanism always ensures:

- Efficient operation
- Uniform distribution between emitters
- Multi-year durability.

Uniform distribution optimises results, as each plant receives the same amount of water.



Specification

- Diameter 16 mm
- Spacing 33 cm
- Emitter 2,4 l/h
- Max. operating pressure 3,5 bar
- 4 Coil lengths available:
25 m / 50 m / 100 m / 500 m

Features

- A pressure compensating system that guarantees a constant flow rate even when pressure fluctuates (between 0.5 and 3.5 bar), ensuring water is distributed properly;
- The AS System makes it highly resistant to clogging, reducing suction and preventing impurities from getting in.

Additional Features

- Outlet hole made using precision mechanical drilling;
- Thanks to the AS system, it can also be installed sub surface without compromising irrigation or long-standing durability.



Dimensions

Diameter	Spacing	Max. operating pressure	Coil length	Weight	Coil dimensions (Ø x h)
16 mm	33 cm	3,5 bar	25 m	1,1 kg	55 cm x 10 cm
			50 m	2,2 kg	55 cm x 13 cm
			100 m	4,5 kg	55 cm x 21 cm
			500 m	22,3 kg	80 cm x 30 cm

Codification

Code	Description
PPB163324025	Neptune PC - Woodland Brown 16mm 33cm, 2.4 l/h, 25m
PPB163324050	Neptune PC - Woodland Brown 16mm 33cm, 2.4 l/h, 50m
PPB163324100	Neptune PC - Woodland Brown 16mm 33cm, 2.4 l/h, 100m
PPB163324	Neptune PC - Woodland Brown 16mm 33cm, 2.4 l/h, 500m

Neptune HW – Woodland Brown

Flat emitter Drip line

Neptune HW – Woodland Brown is a drip line with flat emitter to irrigate gardens and hedges.

The turbulent flow emitter, which features wide passages, makes Neptune HW highly resistant to clogging. The use of high-quality polymers ensures longer durability and high resistance to possible mechanical damage.

Neptune HW is designed and built following the highest quality standards and is an accessible, affordable investment that also ensures excellent performance.



Specification

- Diameter 16 mm
- Spacing 33 cm
- Emitter 2,0 l/h
- Max. operating pressure 3,5 bar
- 4 Coil lengths available:
25 m / 50 m / 100 m / 500 m

Features

- Highly resistant to accidental impacts and/or collisions, making it fast and easy to install (by reducing installation time and the corresponding labour costs, minimising the risk of damaging the product);
- Highly resistant to clogging due to the turbulent flow emitter, featuring wide passages, and optimised for residential and landscaping applications.

Additional Features

- Emitter's filter assures that sediment deposits do not get into the emitter;
- Outlet hole made using precision mechanical drilling;
- The emitter is put in simultaneously with the extrusion process, ensuring uniform dimensions and mechanical features.

Dimensions

Diameter	Spacing	Max. operating pressure	Coil Length	Weight	Coil dimensions (Ø x h)
16 mm	33 cm	3,5 bar	25 m	1,1 kg	55 cm x 10 cm
			50 m	2,2 kg	55 cm x 13 cm
			100 m	4,5 kg	55 cm x 21 cm
			500 m	22,3 kg	80 cm x 30 cm

Codification

Code	Description
PTB163320025	Neptune HW - Woodland Brown 16mm 33cm, 2.0 l/h, 25m
PTB163320050	Neptune HW - Woodland Brown 16mm 33cm, 2.0 l/h, 50m
PTB163320100	Neptune HW - Woodland Brown 16mm 33cm, 2.0 l/h, 100m
PTB163320	Neptune HW - Woodland Brown 16mm 33cm, 2.0 l/h, 500m

Drip In PC Brown

Pressure-compensating cylindrical emitter Drip line

Brown Drip In® PC is a drip line with pressure-compensating cylindrical emitter that is ideal for watering land and gardens that are not perfectly flat. The Drip In® PC emitter ensures:

- Efficient operation;
- Uniform distribution;
- Multi-year durability.

Drip In® PC Brown can be installed above the surface or sub surface.



Specifications

- Diameter 16 mm
- Spacing 33 cm
- Emitter 2,0 l/h
- Max. operating pressure 3,5 bar
- 4 Coil lengths available:
25 m / 50 m / 100 m / 400 m

Features

- Pressure-compensating system that ensures a constant flow rate even if pressure fluctuates;
- Highly resistant to clogging, as the emitter is designed to last several years:
 - Self-cleaning diaphragm
 - Raised inlet to make sure sediment deposits do not get into the emitter;
- Two outlet holes on opposite sides to prevent impurities from being suctioned.

Additional Features

- The shade of brown is particularly suited to blend in with flowerbeds and hedges
- Excellent flexibility to shape the tubing as needed
- Can be installed below the surface

Dimensions

Diameter	Spacing	Max. operating pressure	Coil Length	Weight	Coil dimensions (Ø x h)
16 mm	33 cm	3,5 bar	25 m	1,5 kg	52 cm x 12 cm
			50 m	2,8 kg	58 cm x 15 cm
			100 m	5,4 kg	59 cm x 18 cm
			400 m	22,4 kg	83 cm x 30 cm

Codification

Code	Description
EHDPCB162-33-25	Drip In PC Brown 16mm, 33cm, 2.0 l/h, 25m
EHDPCB162-33-50	Drip In PC Brown 16mm, 33cm, 2.0 l/h, 50m
EHDPCB162-33	Drip In PC Brown 16mm, 33cm, 2.0 l/h, 100m
EHDPCB162-33-4A	Drip In PC Brown 16mm, 33cm, 2.0 l/h, 400m

Drip In PC Camouflage Green

Pressure-compensating cylindrical emitter Drip line

Camouflage Green Drip In® PC is a drip line with a pressure-compensating cylindrical emitter that is ideal for low visibility applications. Like the brown version, the Drip In® PC emitter ensures:

- Clog resistance;
- Even distribution;
- Multi-year durability.

Camouflage Green Drip In® PC can be installed above the surface.

This shade of green is the result of important colour studies in order to obtain a colour that blends in perfectly both on lawns and along hedges. Being matte, it also has a minimal impact on the environment and is pleasing to the eye.



Specifications

- Diameter 16 mm
- Spacing 33 cm
- Emitter 2,0 l/h
- Max. operating pressure 4,0 bar
- 3 Coil lengths available: 25 m / 50 m / 100 m

Additional Features

- The shade of green is particularly suited to blend in with flowerbeds and hedges
- Excellent flexibility to shape the tubing as needed
- Can be installed below the surface

Features

- Pressure-compensating system that ensures a constant flow rate even if pressure fluctuates;
- Highly resistant to clogging, as the emitter is designed to last several years:
 - Self-cleaning diaphragm
 - Raised inlet to make sure sediment deposits do not get into the emitter;
- Two outlet holes on opposite sides to prevent impurities from being suctioned.

Dimensions

Diameter	Spacing	Max. operating pressure	Coil Length	Weight	Coil dimensions (Ø x h)
16 mm	33 cm	4,0 bar	25m	1,5 Kg	52 cm x 12 cm
			50 m	2,8 kg	58 cm x 15 cm
			100 m	5,4 kg	59 cm x 18 cm

Codification

Code	Description
EHDPCG162-33-25	Drip In PC Camouflage Green 16mm, 33cm, 2.0 l/h, 25m
EHDPCG162-33-50	Drip In PC Camouflage Green 16mm, 33cm, 2.0 l/h, 50m
EHDPCG162-33	Drip In PC Camouflage Green 16mm, 33cm, 2.0 l/h, 100m

Drip In PC RootGuard®

Pressure-compensating cylindrical emitter drip line

Drip In PC RootGuard® was created with the goal of being the most effective, efficient lawn irrigation system. The cutting-edge turbulent flow pressure-compensating emitter used in Drip In PC is guaranteed to prevent the risk of clogging in systems installed below the surface. ROOTGUARD® technology, in which weed killer is released evenly over a long period of time and maintains a sufficient concentration in the terrain adjacent to the drip line, definitively removes the risk of roots growing and intruding into the emitter. The combination of Drip In PC and RootGuard technology is a winning match to ensure a drip irrigation system with no risk of clogging or malfunctioning and the advantage of a completely free lawn that can be used at any time.



Specification

- Diameter 16 mm
- Spacing 33 cm
- Emitter 2,0 l/h
- Max. operating pressure 4,0 bar
- 2 Lengths available: 100 m / 400 m

Advantages of subsurface irrigation

- Greater yields**
Water and nutrients are emitted at regular intervals directly where the roots are located, thereby promoting healthy plant growth and reducing stress.
- Significant water saving**
Improved irrigation system efficiency combined with the option of programming brief, frequent irrigation times eliminates washout and deep percolation. It also eliminates water loss due to evaporation.
- Healthier plants and higher quality lawns.**
The surface of the ground, lawn, and leaves remains dry.
- Better soil aeration**
Fine soil particles are not washed out, reducing soil compaction and promoting root growth.



Other ROOTGUARD® Advantages:

Longer irrigation system durability

Drip In PC is made with resistant polymers. When installed in-ground, the system is protected from ultraviolet rays and fluctuating temperatures. The lack of light in the emitter output hole has also eliminated any possibility of algae growing in the final section of the emitter.

Larger irrigated soil volume

With subsurface irrigation, water coming out of the emitter can also go upward by capillarity and in all directions, resulting in an increase of up to 46% in irrigated soil volume.

Dry soil surface

As the surface is dry, the lawn can be used at any time, regardless of the watering schedule.

Codification

Code	Description
EHDPCR162-33	Drip In PC RootGuard 16mm, 33cm, 2.0 l/h, 100 m
EHDPCR162-33-4A	Drip In PC RootGuard 16mm, 33cm, 2.0 l/h, 400 m

Dimensions

Diameter	Spacing	Max. operating pressure	Coil Length	Weight	Coil dimensions (Ø x h)
16 mm	33 cm	4,0 bar	100 m	5,4 kg	59 cm x 18 cm
			400 m	22,8 kg	83 cm x 30 cm

S-Drip Brown

Cylindrical emitter Drip line

S-Drip Brown is a drip line with cylindrical emitter ideal for watering gardens and hedges.

The S-Drip emitter ensures:

- Clog resistance;
- Durability;
- Excellent irrigation on flat land.

Brown S-Drip is designed and built following the highest quality standards and is an accessible, convenient investment that ensures perfect irrigation.

Brown S-Drip can be installed above ground.



Specifications

- Diameter 16 mm
- Spacing 33 cm
- Emitter 2,0 l/h
- Max. operating pressure 3,5 bar
- 4 Coil lengths available:
25 m / 50 m / 100 m / 400 m

Features

- Highly resistant to clogging, as the emitter is designed to last several years;
- Highly resistant to accidental impacts due to the use of machinery or simple collisions. This resistance makes it even easier to install.

Additional Features

- The shade of brown is particularly suited to blend into flowerbeds and hedges;
- Excellent flexibility to shape the tubing as needed.

Codification

Code	Description
SB162-33-25	S-Drip Brown 16mm, 33cm, 2.0 l/h, 25m
SB162-33-50	S-Drip Brown 16mm, 33cm, 2.0 l/h, 50m
SB162-33-100	S-Drip Brown 16mm, 33cm, 2.0 l/h, 100m
SB162-33	S-Drip Brown 16 mm, 33cm, 2.0 l/h, 400m

Dimensions

Diameter	Spacing	Max. operating pressure	Coil Length	Weight	Coil dimensions (Ø x h)
16 mm	33 cm	3,5 bar	25 m	1,6 kg	52 cm x 12 cm
			50 m	3,2 kg	58 cm x 15 cm
			100 m	6,5 kg	59 cm x 18 cm
			400 m	26 kg	83 cm x 30 cm

Polyethylene Hose

Oval and Circular Cross-section Polyethylene Hose



Specifications

The low-density polyethylene hose is manufactured with select polymers to ensure reliability, affordability, and practicality. The composition offers long-term durability in the most adverse weather conditions. The mechanical features of the polyethylene hose allow the on-line emitters to be inserted easily and safely.

Main features

- The low-density polyethylene hose features:
 - Long-term durability in the harshest operating conditions;
 - Easy to insert on-line emitters like, for example, Euro Key / Euro Plus / NGE AL.

The range of low-density polyethylene hose includes:

- Diameter 16 mm
 - Wall thickness 0.9* and 1.1 mm
- Diameter 20 mm
 - Wall thickness 0.9* and 1.2 mm

The circular cross-section (EHD codes) makes it easier to insert on-line emitters (Euro Key / Euro Plus / NGE)

The oval cross-section (PHW codes) makes it especially suitable to connect the mains lines to the drip lines.

Available colours:

- White and Brown for the circular cross-section (EHD codes)
- Black with a blue stripe for the oval cross-section (PHW codes)

* The 0.9 mm wall thickness is only available for oval cross-section hose (PHW codes)

Applications

The low-density polyethylene hose transports water and nutrients in all applications in which using on-line emitters is preferable or when creating secondary or branch lines.

White hose is highly recommended when irrigating balconies, as it has the same features and performance as the black one but is also considerably less visible and gives a pleasant clean-cut effect.

Codification

Code	Description
EHDW16-50	White circular cross-section polyethylene hose, 16mm, 1.1mm, 50 m
EHDW16-400	White circular cross-section polyethylene hose, 16mm, 1.1mm, 400 m
EHDW20-50	White circular cross-section polyethylene hose, 20mm, 1.2mm, 50 m
EHDW20-300	White circular cross-section polyethylene hose, 20mm, 1.2mm, 300 m
EHDB16-50	Brown circular cross-section polyethylene hose, 16mm, 1.1mm, 50 m
EHDB20-50	Brown circular cross-section polyethylene hose, 20mm, 1.2mm, 50 m
PHW1609	Black oval cross-section polyethylene hose, 16mm, 0.9mm, 500 m
PHW1611	Black oval cross-section polyethylene hose, 16mm, 1.1mm, 500 m
PHW2009	Black oval cross-section polyethylene hose, 20mm, 0.9mm, 370 m
PHW2012	Black oval cross-section polyethylene hose, 20mm, 1.2mm, 340 m

Circular cross-section polyethylene tubing dimensions (EHD codes)

Diameter	Thickness	Max. operating pressure	Coil Length	Weight	Coil dimensions (Ø x h)
16 mm	1,1 cm	4,0 bar	50 m	2,5 kg	55 cm x 22 cm
			400 m	20,0 kg	83 cm x 32 cm
20 mm	1,2 cm	4,0 bar	50 m	3,3 kg	55 cm x 22 cm
			300 m	19,5 kg	83 cm x 32 cm

Oval cross-section polyethylene tubing dimensions (PHW codes)

Diameter	Thickness	Max. operating pressure	Coil Length	Weight	Coil dimensions (Ø x h)
16 mm	0,9 cm	3,5 bar	500 m	21,0 kg	80 cm x 30 cm
	1,1 cm	4,0 bar		25,5 kg	
20 mm	0,9 cm	3,0 bar	370 m	18,0 kg	80 cm x 30 cm
	1,2 cm	4,0 bar	340 m	22,0 kg	

NGE AL

Pressure-Compensating Anti-Leak Dripper



The NGE® AL dripper is ideal for watering potted plants on balconies or terraces and for any other applications requiring punctual, accurate irrigation. Each emitter supplies an accurate amount, while the anti-leak device prevents leaking once the system is shut off.

Features

The dripper design and pressure compensating membrane means:

- The dripper open once a pressure of 0.9 bar is reached. As a result, system operating time is reduced to a minimum with the utmost distribution uniformity.
- Self-cleaning while the system is operating.
- The drippers close when pressure reaches values between 0.24 and 0.34 bar, depending on the flow rate. This prevents the system from draining, allowing for short, efficient irrigation cycles.
- The drippers close once the system stops, preventing clogging due to suction of impurities.

The semi-circular cross-section intake filter and the large cross-section labyrinth ensure the system is highly resistant to clogging.

Coefficient of Variation (CV) $\leq 3\%$.

Available with Male Adapter (-MA) for Spider with single or double outlets.

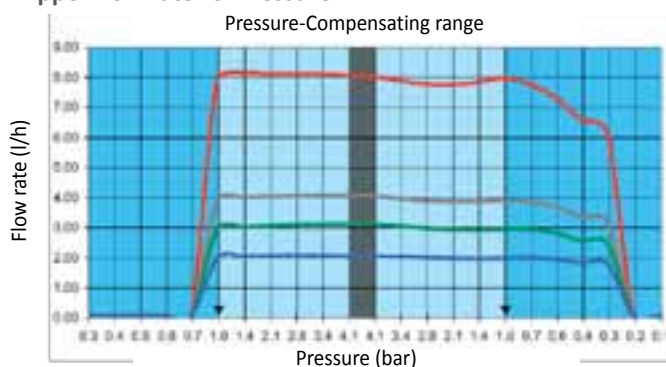
ISO 9261:2004 standard compliant

Technical data

NGE® AL Specification		DPCT02	DPCT03	DPCT04	DPCT08
Nominal flow rate	l/h	2,0	3,0	4,0	8,0
Pressure-Compensating range	bar	from 0,9 to 4,1			
Closing pressure	bar	0,24	0,28	0,34	0,34
Coefficient of Variation (CV)		$\leq 3\%$			
Minimum Required Filtration		140 mesh (105 micron)			
Colour / Colour Code		Blue / BLUE	Green / GRN	Grey / BLK	Red / RED

- Light blue 2,0 l/h
- Light green 3,0 l/h
- Grey 4,0 l/h
- Light red 8,0 l/h

Dripper flow rate vs. Pressure



Codification

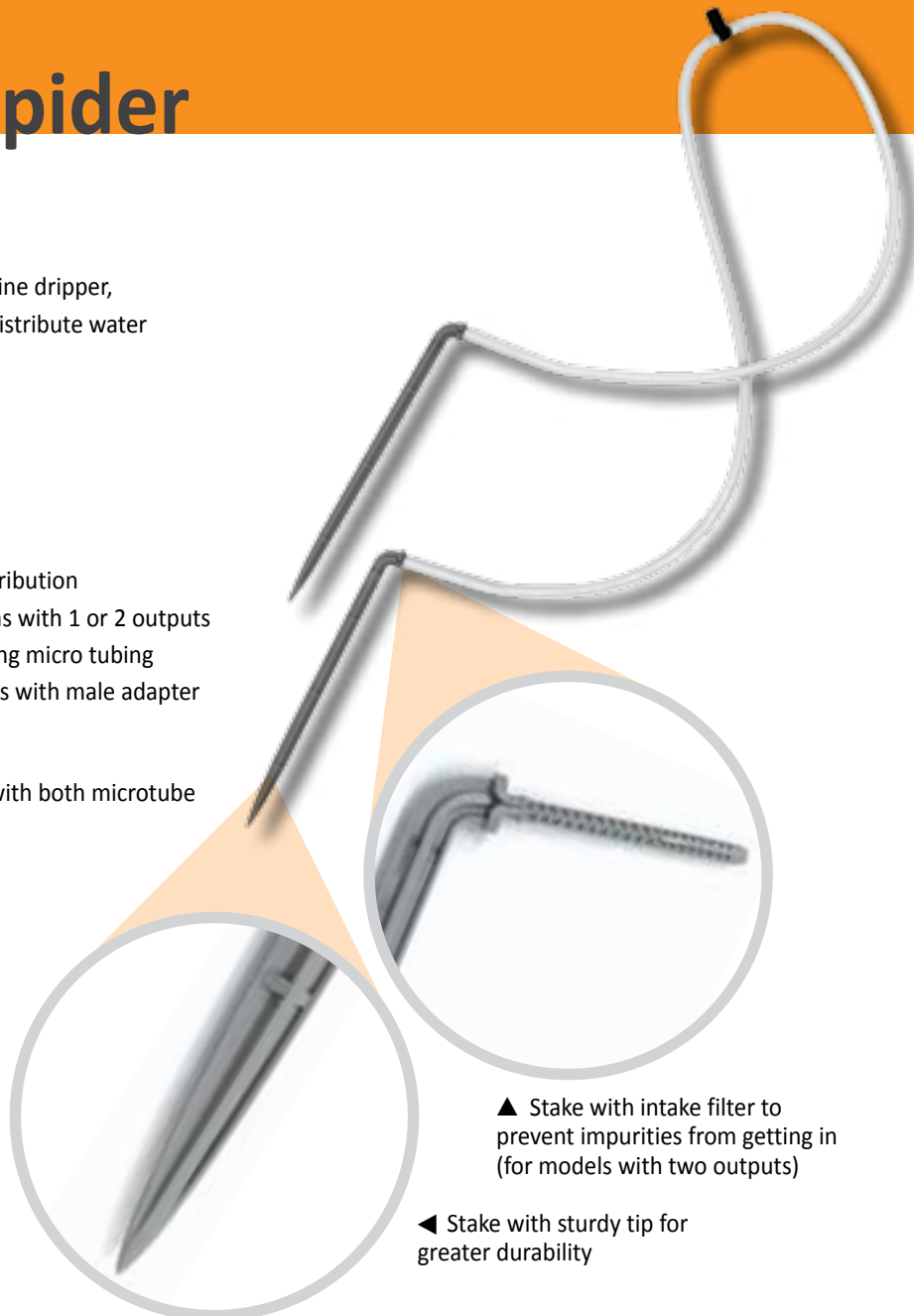
Code	Description
DPCT02-MA-AL-BLUE	NGE Anti-Leak 2 l/h with male adapter
DPCT03-MA-AL-GRN	NGE Anti-Leak 3 l/h with male adapter
DPCT04-MA-AL-BLK	NGE Anti-Leak 4 l/h with male adapter
DPCT08-MA-AL-RED	NGE Anti-Leak 8 l/h with male adapter

White Spider

Starting from an on-line dripper, Spider assemblies distribute water directly into pots.

Features

- Accurate, punctual water distribution
- Available in two configurations with 1 or 2 outputs
- Available with 60 or 80 cm-long micro tubing
- Easy to install on NGE emitters with male adapter (-MA).
- Microtube: 3 x 5 mm
- Also available in the version with both microtube and stake.



▲ Stake with intake filter to prevent impurities from getting in (for models with two outputs)

◀ Stake with sturdy tip for greater durability



▲ Elbow barbed stake for single outlet Spider



▲ Elbow labyrinth stake for 2-outlets spiders

Codification

Code	Adaptor	Microtube	Stake
1-OUTLET WHITE SPIDER			
IT-DBS1WQBx-60	1-outlet straight	1 x 60 cm White	1 x Grey 90° barbed Stake
IT-DBS1WQBx-80	1-outlet straight	1 x 80 cm White	1 x Grey 90° barbed Stake
2-OUTLET WHITE SPIDER			
IT-DBS2WQTX-60	2-outlets Tee	2 x 60 cm White	2 x Grey 90° Turbulent Flow Stake
IT-DBS2WQTX-80	2-outlets Tee	2 x 80 cm White	2 x Grey 90° Turbulent Flow Stake

Euro Plus

Pressure-Compensating Maintainable Dripper



Features

- Maintainable dripper that allows for quick, easy system maintenance
- Base with fins to keep the dripper in position along the drip line
- Silicone membrane
- 4 mm barbed input
- Male output with connector for 4x6mm microtube



Specifications

- Nominal flow rate: 4, 8 and 16 l/h
- Pressure-Compensating range: 1.0-3.0 bar
- Coefficient of Variation (CV) ≤5%
- Recommended filtration: 150 mesh
- ISO 9261:2004 compliant

Performance

Code	Flow rate in l/h @				
	1,0 bar	1,5 bar	2,0 bar	2,5 bar	3,0 bar
IT-DPJ04-2	4,2	4,3	4,6	4,7	4,6
IT-DPJ08-2	8,2	9	9,2	9,1	8,7
IT-DPJ15-2	12,2	14	15,5	16,5	15,5



▲ Black Base
nominal flow rate
4 l/h



▲ Red Base
nominal flow rate
8 l/h



▲ Brown Base
nominal flow rate
16 l/h

Codification

Code	Description
IT-DPJ04-2	Euro-Plus Maintainable Dripper with 4 l/h flow rate
IT-DPJ08-2	Euro-Plus Maintainable Dripper with 8 l/h flow rate
IT-DPJ15-2	Euro-Plus Maintainable Dripper with 16 l/h flow rate

Euro Key

Maintainable Dripper



Features

- Maintainable dripper that allows for easy system monitoring
- Base with fins to keep the drip line stable
- ISO 9261:2004 compliant
- Coefficient of Variation (CV) $\leq 5\%$
- Large turbulent labyrinth that creates high resistance to clogging
- Key available (EU-DNK00)

Specifications

- Nominal flow rate: 2, 4, 8, 16, 24 l/h
- Recommended operating pressure: 1.0-2.0 bar
- CV $\leq 5\%$
- Input: 4mm barbed connector
- Male output with connector for 4x6 mm microtube

Performance

Model	Disc Colour	Flow rate @		
		1,0 bar	1,25 bar	1,5 bar
Euro-Key 2 l/h	White	2,0 l/h	2,4 l/h	2,8 l/h
Euro-Key 4 l/h	Black	4,0 l/h	5,0 l/h	5,6 l/h
Euro-Key 8 l/h	Green	8,0 l/h	9,7 l/h	11,2 l/h
Euro-Key 16 l/h	Red	16,0 l/h	16,8 l/h	19,5 l/h
Euro-Key 24 l/h	Yellow	24,7 l/h	29,0 l/h	34,0 l/h

Codification

Code	Description
EU-DNK02-2-BLUE	Euro Key 2 l/h, dripper with blue base
EU-DNK04-2	Euro Key 4 l/h, dripper with black base
EU-DNK08-2-RED	Euro Key 8 l/h, dripper with red base
EU-DNK16-2-MB	Euro Key 16 l/h, dripper with brown base
EU-DNK24-2-GREEN	Euro Key 24 l/h, dripper with green base

Fogger



Applications

Foggers are suitable for nurseries, shrubs, and trees requiring a fine low-pressure, low-flow rate mist and allow for temperature and moisture control.

Features

- Available in 3 flow rates, respectively: 8, 12, and 16 l/h
- Available in 2 easy to install versions with 4 mm barbed (SFJ) and 3/8" threaded (SFL) connectors.
- Operating pressure from 0.75 to 2.25 bar
- Diameter from 0.6 to 1.5 m
- SFJ barbed connector attaches directly to PE tubing

Codification

Code	Description
SFJ408	Fogger, 8 l/h with 4mm barbed connector
SFJ412	Fogger, 12 l/h with 4 mm barbed connector
SFJ416	Fogger, 16 l/h with 4 mm barbed connector
SFL408	Fogger, 8 l/h with male 3/8" threaded connector
SFL412	Fogger, 12 l/h with male 3/8" threaded connector
SFL416	Fogger, 16 l/h with male 3/8" threaded connector



Trickler

Applications

Irrigating potted plants, flowerbeds in residential and landscaping settings, on balconies, patios, and terraces.

Features

- Flow rate adjustable from 0 to 30 l/h
- 12 output holes for a more uniform distribution of water at 360°
- Accurate flow rate regulation with ratchet mechanism
- Easy to inspect
- Operating pressure: 0.75-2.25 bar

Specifications

- Connection with 4mm male threaded connector



Codification

Code	Description
1011292	Trickler, 0-30 l/h, 4 mm male threading

Varis & Varistake

Applications

Irrigating potted plants, flowerbeds in residential and landscaping settings, on balconies, patios, and terraces.

Features

- Flow rate adjustable from 0 to 40 l/h
- 8 output holes for a more even distribution of water at 360°
- Accurate flow rate regulation with ratchet mechanism
- Easy to inspect
- Operating pressure: 0.75-2.25 bar
- Microtube PE hose push-in connector supplied along with Varistake
- Varis can be installed directly on the PE hose or at the end of the microtube
- Varistake can be planted into the ground thanks to the incorporated 12cm stake

Specifications

- 4 mm barbed connection (Varis)
- 4 mm barbed connection installed on 12 cm stake (Varistake)



Codification

Code	Description
EU-DAK05	Varis, 0-40 l/h, 4 mm barbed
EU-DAK15	Varistake, 0-40 l/h, 4 mm barbed installed on 12 cm stake

Varijet



Applications

Flowerbed and garden irrigation

Features

- Flow rate adjustable from 0 to 53 l/h
- Operating pressure: 0.5-2.5 bar
- Range from 1.25 to 2.90 m
- 3 models available with 360° x 15, 180°, and 90° trajectories
- Easy to install on PE hose

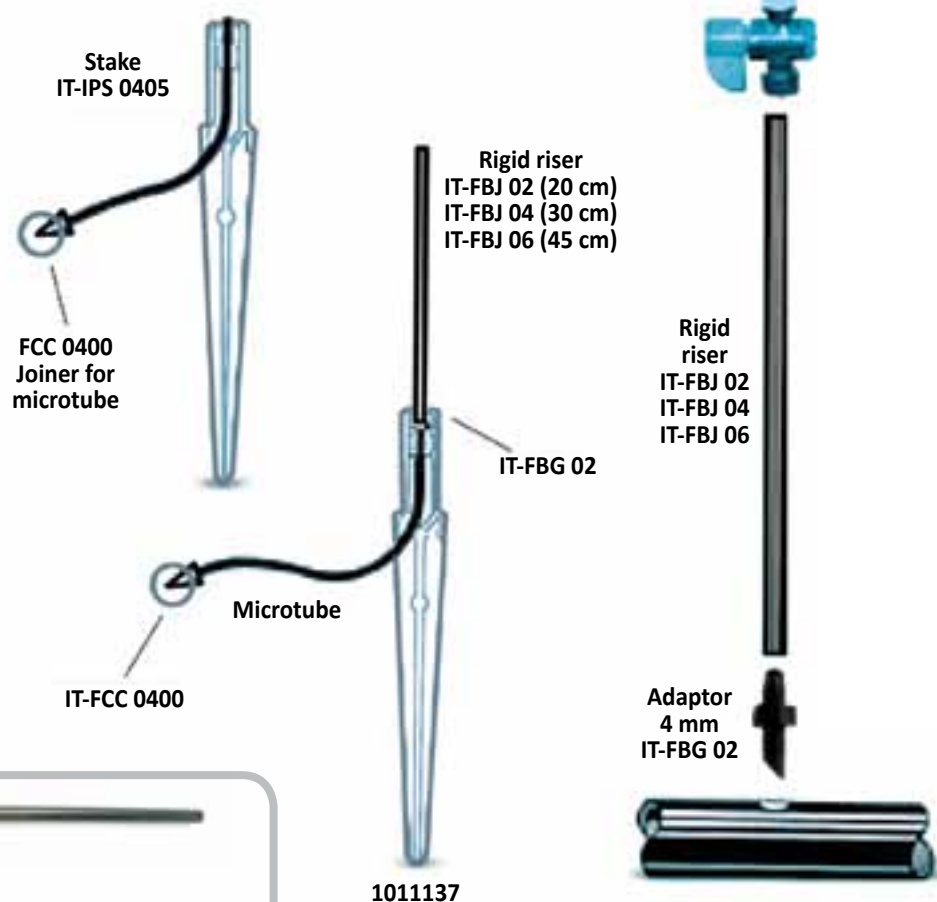
Codification

Code	Description
SBB601	Varijet, 360° micro sprinkler
SBB607	Varijet, 180° micro sprinkler
SBB609	Varijet, 90° micro sprinkler

Performance

Pressure (bar)	Flow rate (l/h)	SBB601 360°x15	SBB607 180°	SBB609 90°
		Radius (m)		
0,5	22	1,25	1,70	1,70
1,0	32	1,55	1,80	1,80
1,5	40	1,75	2,05	2,05
2,0	47	1,90	2,45	2,45
2,5	53	1,95	2,90	2,90





▲ Riser

IT-FBJ02 20cm riser with threaded adaptor
IT-FBJ04 30cm riser with threaded adaptor
IT-FBJ06 45cm riser with threaded adaptor



◀ IT-FVT04-1
Ø 4 mm mini valve
barbed



◀ IT-FVT04
Mini Valve with male
Ø 4 mm thread



◀ IT-FBG02
Adaptor with male
Ø 4 mm thread



◀ 1011137
Jet stake for Varijet to
use with IT-FBJ0x riser



◀ IT-FBG01
Hole punch with key
for Microjet



◀ EU-FMP09
Hole punch

Bubbler



Applications

Local irrigation of flower pots, flowerbeds, individual plants and shrubs.



Features

- Flow rate adjustable from 0 to 400 l/h
- Operating pressure from 1 to 3 bar
- Easy flow rate adjustment
- ½" female thread



Codification

Code	Description
EU-SHW401-2N	Bubbler flood

Screen in-line filters

Features

- Two models available
- Maximum operating pressure: 3 bar
- 80-mesh screen cartridge
- Direction of flow printed on the filter body



Codification

Code	Description
1011111B	In-line filter for 16 mm external Ø tubing, 2x13 mm Ø barbed connections, 80 mesh
1011113B	In-line filter for 25 mm external Ø tubing, 2x19 mm Ø barbed connections, 80 mesh

M Series Filters

Small plastic filters



Features

- Cartridge:
 - 150-mesh stainless steel screen
 - 150-mesh plastic discs
- Body and lid in polypropylene, glass fibre reinforced Nylon Locking ring
- Filtering surface:
 - 135 cm² screen cartridge
 - 170 cm² disc cartridge
- Intermediate dimensions between the S and F models
- 1/2" male output (with optional cap) for quick self-cleaning

Specifications

- 3/4" to 1 1/2" male thread
- Maximum operating pressure: 10 bar

Codification

Code	Description
EU-ABF2015-2MW	M 3/4" male filter, screen, 150 mesh without discharge
EU-ABF2515-2MW	M 1" male filter, screen, 150 mesh without discharge
EU-ABF3215-2MW	M 1" 1/4 male filter, screen, 150 mesh without discharge
EU-ABF4015-2MW	M 1" 1/2 male filter, screen, 150 mesh without discharge
EU-ABF2015-3MW	M 3/4" male filter, disc, 150 mesh without discharge
EU-ABF2515-3MW	M 1" male filter, disc, 150 mesh without discharge
EU-ABF3215-3MW	M 1" 1/4 male filter, disc, 150 mesh without discharge
EU-ABF4015-3MW	M 1" 1/2 male filter, disc, 150 mesh without discharge

Technical features

The maximum flow rates shown in the table refer to a pressure drop of 0.5 bar (clean water)

Model	Screen filter	Disc filter	Inlet/Outlet Male	Micron	Mesh	Max flow rate (l/min)
M20	EU-ABF2015-2MW	EU-ABF2015-3MW	3/4"	100	~ 150	100
M25	EU-ABF2515-2MW	EU-ABF2515-3MW	1"	100	~ 150	120
M32	EU-ABF3215-2MW	EU-ABF3215-3MW	1" 1/4	100	~ 150	180
M40	EU-ABF4015-2MW	EU-ABF4015-3MW	1" 1/2	100	~ 150	250



S and F Series Filters

Small plastic filters

Features

Cartridge:

- 150-mesh stainless steel screen
- 150-mesh plastic discs

Body and lid in polypropylene, glass fibre reinforced Nylon Locking ring

Filtering surface:

- 114 cm² screen cartridge (S Filter)
- 225 cm² screen cartridge (F Filter)
- 280 cm² disc cartridge (F Filter)

Easy to disassemble for simple cleaning

1/2" male output (with optional cap) for quick self-cleaning

Specifications

3/4" to 1 1/2" male thread

Maximum operating pressure: 10 bar

Technical features

The maximum flow rates shown in the table refer to a head loss of 0.5 bar (clean water)

Model	Screen filter	Disc filter	Inlet/Outlet Male	Micron	Mesh	Max flow rate (l/min)
F20-S	EU-ABF2015-2SW	—	3/4"	100	~ 150	80
F25-S	EU-ABF2515-2SW	—	1"	100	~ 150	80
F25	EU-ABF2515-2FW	EU-ABF2515-3FW	1"	100	~ 150	200
F32	EU-ABF3215-2FW	EU-ABF3215-3FW	1" 1/4	100	~ 150	250
F40	EU-ABF4015-2FW	EU-ABF4015-3FW	1" 1/2	100	~ 150	300

Codification

Code	Description
EU-ABF2015-2SW	3/4" male S filter, screen, 150 mesh without discharge
EU-ABF2515-2SW	1" male S filter, screen, 150 mesh without discharge
EU-ABF2515-2FW	1" male F filter, screen, 150 mesh without discharge
EU-ABF3215-2FW	1" 1/4 male F filter, screen, 150 mesh without discharge
EU-ABF4015-2FW	1" 1/2 male F filter, screen, 150 mesh without discharge
EU-ABF2515-3FW	1" male F filter, disc, 150 mesh without discharge
EU-ABF3215-3FW	1" 1/4 male F filter, disc, 150 mesh without discharge
EU-ABF4015-3FW	1" 1/2 male F filter, disc, 150 mesh without discharge

XD Series Filters

Big plastic filters



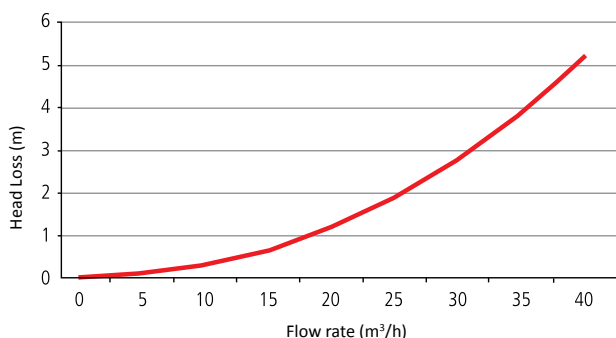
Features

- Innovative disc design
- Disc cartridge: 120, 150, 200 mesh
- Glass fibre reinforced Nylon body, lid, and locking ring
- Filtering surface:
 - Short body 2" and 3" model: 10.800 cm²
 - 3" model: 18.000 cm²
- Ring nut closure with stop for easy assembly/disassembly
- Pressure gauge connections to be perforated as required, to allow measurement of pressure and thus the cleanliness of the filter
- The filter allows very long cleaning intervals

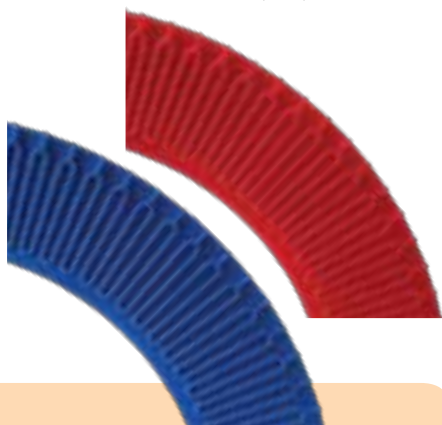
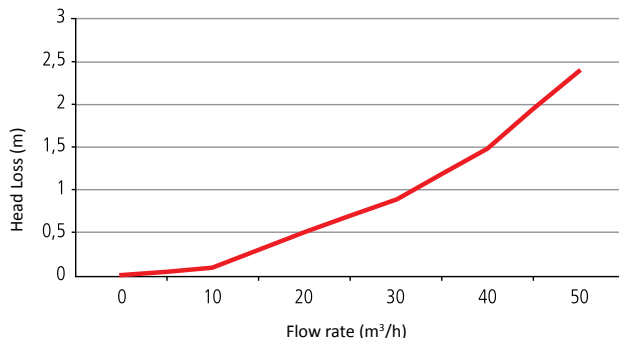
Specifications

- Male 1" thread to drill to use the air release valves
- Maximum operating pressure: 10 bar
- 2 gauge mounting points: 1/4" female Gas
- Nominal flow rates:
 - 2" model: 25 m³/h
 - 3" model (short and standard cover): 50 m³/h
- Dimensions:
 - 2" model: L274mm; H540 mm
 - 3" model: L320 mm; H785 mm

2" head loss table



3" head loss table



Advantage

The innovative XD disc design allows for a very ample filtering surface compared to a conventional disc filter, thereby ensuring high filtering capacity.

Codification

Code	Description
EU-ABF5012-3X	2" XD disc filter, 120 mesh
EU-ABF5015-3X	2" XD disc filter, 150 mesh
EU-ABF5020-3X	2" XD disc filter, 200 mesh
EU-ABF7512-3XS	3" XD short cover disc filter, 120 mesh
EU-ABF7515-3XS	3" XD short cover disc filter, 150 mesh
EU-ABF7520-3XS	3" XD short cover disc filter, 200 mesh
EU-ABF7512-3X	3" XD disc filter, 120 mesh
EU-ABF7515-3X	3" XD disc filter, 150 mesh
EU-ABF7520-3X	3" XD disc filter, 200 mesh

Hercules Valve Boxes



Patented design: UAMI no. 002417675

Features

Circular models:

Irritrol® brand lid:

- Convenient 2-hole handle, with closing direction shown
- Bayonet coupling system with optional locking screw
- Circular edge covering the body, rapid positioning, protection against water/soil entry
- Non-slip surface
- Grass green colour

Body:

- Conical shape for guaranteed stability in the ground
- Reinforced wall thickness to protect against structural collapse
- Ready-to-use and easily enlargeable tubing inlets

Rectangular models:

Irritrol® brand lid:

- Access handle for easy opening
- Edge covering the body, rapid positioning, protection against water/soil entry
- Optional locking screw system
- Anti-slip surface
- Grass green colour

Body:

- Oblique shape for guaranteed stability in the ground
- Innovative design to quickly, safely make holes on-site without using electricity
- Reinforced angles to protect against structural collapse

Codification

Basic models without holes

Code	Description
EU-HCS	Small circular valve boxe with lid*
EU-HCM	Medium circular valve boxe with lid*
EU-HRS	Standard rectangular valve boxe with lid without holes
EU-HRJ	Jumbo rectangular valve boxe with lid without holes
EU-HCSL	Lid for small circular valve boxe*
EU-HCML	Lid for medium circular valve boxe*
EU-HRSL	Lid for standard rectangular valve boxe without holes
EU-HRJL	Lid for jumbo rectangular valve boxe without holes

*optional lock after manual hole punching and EU-HCK closing kit sold separately

Models with one hole - EU-HRK locking kit not included

Code	Description
EU-HRSO	Standard rectangular valve boxe with lid with one hole
EU-HRJO	Jumbo rectangular valve boxe with lid with one hole
EU-HRSLO	Lid for standard rectangular valve boxe with one hole
EU-HRJLO	Lid for jumbo rectangular valve boxe with one hole

Models with multiple holes (tightening hole and ventilation holes) EU-HRK locking kit not included

Code	Description
EU-HRSM	Standard rectangular valve boxe with lid with multiple holes
EU-HRJM	Jumbo rectangular valve boxe with lid with multiple holes
EU-HRSLM	Lid for standard rectangular valve boxe with multiple holes
EU-HRJLM	Lid for jumbo rectangular valve boxe with multiple holes

ACCESSORIES

Code	Description
EU-HCK	Closing kit for circular models (M5x35 screws + M5x8 hex nut)
EU-HRK	Locking kit for rectangular models (M6x25 hex bolt + M6 G 24x16x11 plate)
EU-HRC	Cable holder for rectangular models

*Customised lids, contact for details
For dimensions, see page 82 of this catalogue

E-PIC

Features

- Internal manual bleed
- Slow, anti-water hammer closing
- Double beaded diaphragm in thermoplastic rubber

Specifications

- Flow rate: 1,2-7,2 m³/h (20-120 l/min)
- Operating pressure: 0,5-10,0 bar
- Solenoid 24VAC – 50Hz
 - Inrush current 0,34 A
 - Holding current 0,20 A

Additional Features

- Fast lid removing with 4 screws
- Inspectable spiral removable from the outside
- Flow rate of 80,0 l/min for 0,5 bar head losses

Codification

Code	Description
EU-EPIC-0.75-S	Valve E-pic ¾" female, without Flow Control
EU-EPIC-1-S	Valve E-pic 1" female, without Flow Control



Pressure Regulators

Features

- Ideal for areas with low irrigating pressure and pressure variation along the line
- The plunger and valve assembly are constructed of DuPont Zytel for greater durability and constant operation
- Body in high quality ABS plastic, sonic welded for extra security
- Silicone O-ring for reduced pressure loss
- Stainless steel return springs



Inlet pressure (bar)	Outlet pressure (bar)					Outlet pressure (bar)					Outlet pressure (bar)				
	Model 15					Model 19					Model 25				
1,4	0,87	1,22	1,07	0,90	0,87	1,04	1,30	1,03	0,76	0,57	1,33	1,36	1,30	1,20	1,06
2,1	1,21	1,38	1,35	1,19	1,19	1,34	1,50	1,39	1,05	0,79	2,02	1,92	1,78	1,63	1,47
2,8	1,44	1,42	1,35	1,24	1,22	1,51	1,58	1,51	1,33	1,03	2,08	2,01	1,90	1,80	1,69
3,4	1,48	1,43	1,34	1,25	1,19	1,59	1,56	1,51	1,41	1,23	2,13	2,01	1,91	1,82	1,73
4,1	1,47	1,45	1,32	1,23	1,18	1,61	1,55	1,48	1,41	1,34	2,14	2,01	1,92	1,80	1,72
4,8	1,47	1,46	1,32	1,19	1,15	1,59	1,52	1,46	1,37	1,30	2,14	1,97	1,93	1,77	1,69
5,5	1,47	1,46	1,32	1,17	1,13	1,59	1,51	1,44	1,35	1,26	2,09	1,97	1,92	1,76	1,67
6,2	1,46	1,49	1,31	1,16	1,15	1,55	1,49	1,41	1,35	1,26	2,07	1,88	1,94	1,76	1,66
6,9	1,44	1,46	1,31	1,16	1,15	1,50	1,48	1,38	1,32	1,23	2,01	1,88	1,95	1,75	1,63
l/min	3,8	7,6	15,1	22,7	30,3	3,8	7,6	15,1	22,7	30,3	3,8	7,6	15,1	22,7	30,3

Specifications

- Thread: ¾" male and female
- Operating pressure: 1.4 – 7.0 bar

Codification

Code	Description
IT-VRR2020151	¾" pre-set pressure regulator, model 15
IT-VRR2020191	¾" pre-set pressure regulator, model 19
IT-VRR2020251	¾" pre-set pressure regulator, model 25

Drip line and PE Tube Fittings

	Code	Description
	IT-FCC617	Fitting for 16 mm line
	IT-FCC618	Fitting for 20 mm line
	IT-FTT612	Tee fitting for 16x16x16mm line
	IT-FTT616	Tee fitting for 20x20x20mm line
	IT-FGA6191	3/8" male threaded starter for 16mm drip line
	IT-FGA6192	3/8" male threaded starter for 20mm drip line
	IT-FGA619	10mm barbed starter for 16mm drip line
	IT-FGA620	10mm barbed starter for 20mm drip line
	1011231	Line end cap for 16mm line
	1011233	Line end cap for 20mm line
	IT-IPS1501	Locator stake for 16mm line
	IT-FMP457	7mm punch tool for 10mm connections



H2OCAD 4.0®

software and design of irrigation systems



Product Database

The H2OCAD software was created from the combination of the experiences of Irritrol System and Alpha Consult.

Today, the big news is the fourth version of the software (rel. 4.0), which is intended for designing irrigation systems in professional farming as well as in ornamental and residential gardening, and comes in the Light version (irrigation for parks and gardens) and in the Prof version (professional irrigation for farming and gardening).

The H2OCAD 4.0 software is distinguished by its quality, innovation, completeness and for offering easy design, characteristics that make it an innovative and extraordinary product.

H2OCAD 4.0 contains all of the calculation software required for designing any irrigation system, starting from data on water availability, the plot of land being irrigated, flow rate and head loss, evapotranspiration according to the FAO Penman-Monteith method, sizing of irrigation sectors, bill of quantities, and much more.

The software uses an impressive database of products used in irrigation (5,000 articles), with details of their technical and performance-related characteristics; an equally extensive growth cycle database (13,500 plants with 7 Kc), and lastly another database containing the historical climate data of 600 weather stations across the globe. Not just drawing, therefore, but an integrated design system.

The innovation of H2OCAD 4.0 is represented by some of its special

SOFTWARE



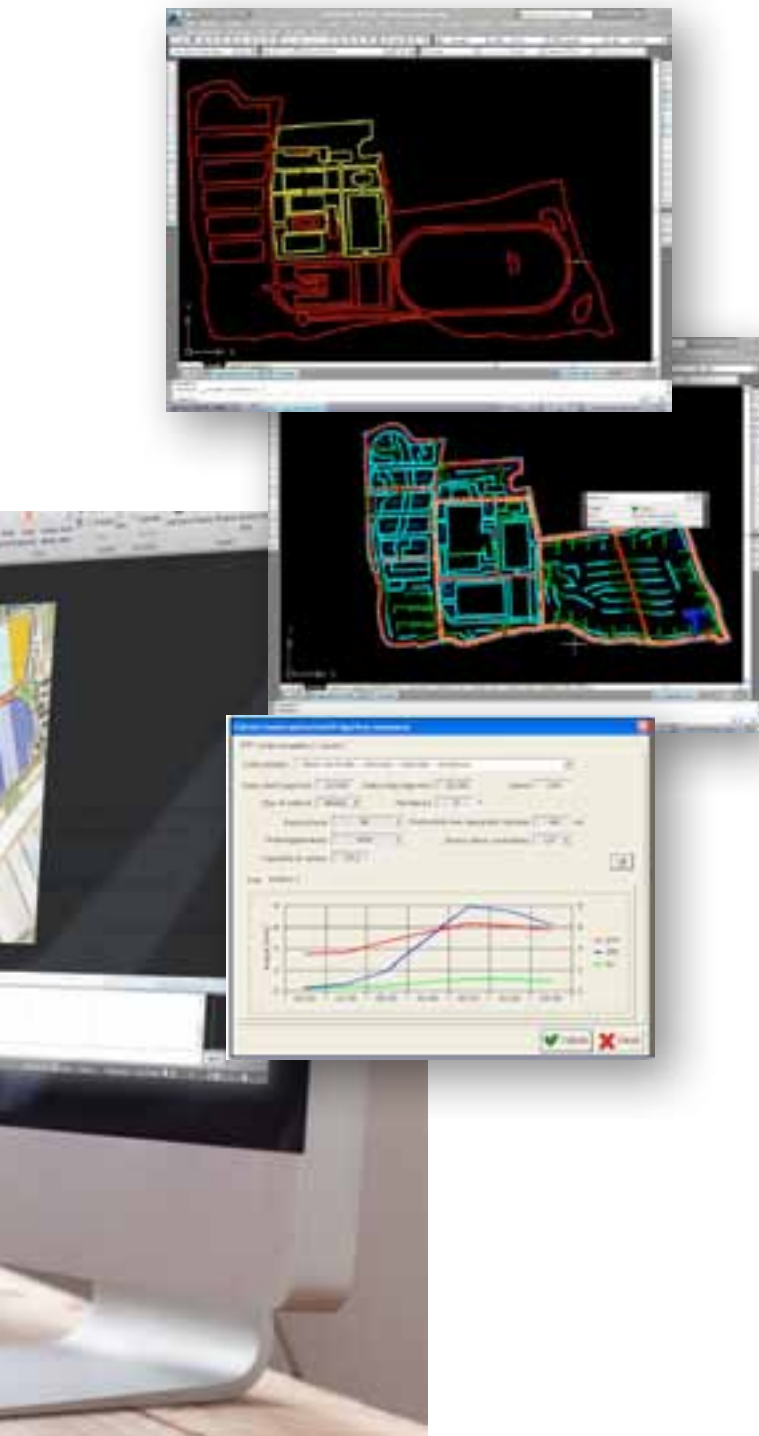
characteristics, such as the high level of automation of the design process from a vast database. The software is able to perform various operations independently which, in common practice, require a lot of time: such as sizing plots of land with tape and/or drip tape, choosing the required model and, based on the available flow rate, determining the number of necessary irrigation sectors.

This drastically reduces design times (up to as much as 80% less time) and the same goes for ornamental and residential irrigation, with various possibilities in terms of sprayhead

positioning and with an innovative operating method that allows quick balancing of the flow rates in the irrigation sectors with angled sprayheads of diversified operation.

The brand new product also interfaces with Google Earth to find and scale the map of the plot of land in question, and it is able to import and export projects in dwg (CAD) format.

All of these functions allow H2OCAD 4.0 to completely fulfil UNI standards for designing irrigation systems and, despite the completeness and considerable amount of captured information, it is extremely intuitive and easy to use.



Features

High degree of automation of the design process

The software can automate different operations by facilitating the position of the sprinklers and drip-lines both along and inside the irrigation perimeter.

Prices and costs management

Through this software is possible to manage a variety of costs over product cost communicated by supplier, such as those related to transport, general overheads of the business or labour required.

Planimetry

Inside the database the starting planimetry of the project and the post inspection planimetry (with all informations and the corresponding symbols founded during the field inspection) will always be available.

Precision in project design

The software allows to proceed with the design of all project components: pipes, electrical cables, excavations and accessories.

Print

The software has a procedure for projects printing that allows to create an high professional layout with logo, legend and cartouche.

Promotional Items

Literature

Code	Description
IT-QLIFE-X	Brochure Life
IT-QLIFEL-X	Sell sheet Life
IT-QLIFEDCL	Sell sheet LifeDC "X" = Language: English (E), French (F), Spanish (S)
IT-QIPN-R-X	Sell Sheet Rotary Nozzles
IT-QCL-X	Sell Sheet Climate Logic "X" = Language: English (E), French (F), Spanish (S), German (G), Russian (R)
IT-QCATIR-X/19	Irritrol Catalogue 2019
IT-QEPIC-X	Sell Sheet E-pic
IT-QHER-X	Sell Sheet Hercules "X" = Language: English (E), French (F), Spanish (S), Russian (R)
IT-QSPORT-E	Sell Sheet Sport field, English
IT-QIRRD-I	Brochure range Irritrol, Italian/English
IT-QMKTP25-X	Sell Sheet 2400/2500 & 200B Valves
IT-QMKTP36-X	Sell Sheet Century Plus/OmniReg
IT-QMKTP37-X	Sell Sheet F Series Filter for Turf / Valve Series 700 Ultraflow
IT-QMKTP39-X	Sell Sheet Euro Valves
IT-QMKTP45-X	Sell Sheet SL Spray Head
IT-QMKTP51-X	Sell Sheet Titan/Junior DC
IT-QMKTP54-X	Sell Sheet Junior Max
IT-QMKTP55-X	Sell Sheet Tap timer, wireless rain sensor series
IT-QMKTP56-X	Sell Sheet Valves Series S/Nozzle Pro-Van
IT-QIPRO-X	Sell Sheet I-Pro
IT-QIPRON-X	Sell Sheet Nozzle I-Pro
IT-Q430-PLAT-X	Sell Sheet 430R and Platinum
IT-QRD07-X	Sell Sheet New Rain Dial
IT-Q550R-X	Sell Sheet 550R "X" = Language: English (E), French (F), German (G)

Merchandising

Code	Description
IT-QMIGMA2	Irritrol T-Shirt
IT-QSHIRTL	Life T-Shirt
IT-QSHIRTIPN	Rotary Nozzles T-Shirt
IT-QMIGMA6	Irritrol Polo shirt
IT-QMUGCA2	Irritrol Cap
IT-QIRJACK	Irritrol Jacket
IT-QGILIR	Irritrol Gilet
IT-QPANIPN	Rotary Nozzles short pants
IT-QCOVIPN	Rotary Nozzles table cover
IT-QMIGRA1	Binder Irritrol
IT-QMKMP	Mouse Pad Irritrol
IT-QMIGTA1	Irritrol Doormat
IT-QIRRFOL	Irritrol New Folder
IT-QMIGPE	Irritrol Pen
IT-QSHOP-IR	Irritrol cotton shopper
IT-QMUGST1	Irritrol Banner in flexible in PVC (1,8x0,6m)
IT-QMKES	Irritrol Counter display
IT-QVFLAG-IR	Irritrol Vertical flag
IT-QMUGBA1	Position Flag for Sprinklers, red colour
IT-QMUGBA2	Position Flag for Sprinklers, white colour
IT-QMUGBA3	Position Flag for Sprinklers, green colour
IT-QIRAD-1912	Irritrol Adhesive (19x12cm)
IT-QURAD-52	Irritrol Adhesive (5x2,2 cm)
IT-QLIFE-POS	Poster Life (50x70 cm)
IT-QI-PROPOS-1	Poster I-PRO (70x100 cm)
IT-QI-PROPOS-2	Poster I-PRO (50x70 cm)
IT-Q550RPOS	Poster 550R (70x100 cm)
IT-QHERPOS	Poster Hercules (50X70 cm)
IT-QVALPOS	Poster Richdel Valves (70x100 cm)
IT-QRDPOS	Poster New Rain Dial (70x100 cm)
IT-QIRRPOST	Poster Irritrol (70x100 cm)
IT-QIRRPOST-1	Poster Irritrol (50x70 cm)
IT-QMKTP17	Poster "Landscaping" (50x70 cm)
IT-QMKTP17-P	Poster "Landscaping" (35x50 cm)
IT-QEPIC-ESP	Bench Exhibiting box for 6 E-pic valves (to be combined with IT-QEPIC-SUP)
IT-QEPIC-SUP	Support for 6 E-pic valves (to be combined with IT-QEPIC-ESP)
IT-QHERCUT	Hercules cutter

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Irritrol[®]

LANDSCAPE IRRIGATION CATALOGUE

Irritrol[®]



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