



Landscape Irrigation
EMEA Market

Irritrol[®]

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For all the news and announcements of Irritrol in Italy from our headquarters in Fiano Romano.



@ISEontheweb

For any aspect related to ISE, specific to the EMEA market

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ENJOY
YOUR
LIFE

CONTROLLERS

Comparison table

| | Life™ DC | Electronic Tap Timer | Electromechanical Tap Timer | Life™ | Life™ Plus | Rain Dial | Total Control | MC-E |
|--------------------------------|------------|----------------------|-----------------------------|---------|--------------|-----------|------------------------------|----------------|
| Battery powered | ✓ | ✓ | ✓ | | | | | |
| Power supply | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Number of stations | 1, 2, 4, 6 | 1 | 1 | 4, 6, 8 | from 4 to 16 | 6, 9, 12 | 6, 9, 12, 15, 18, 24, 36, 48 | 18, 24, 36, 48 |
| Independent programs | 4 | 8 | 1 | 2 | 4 | 3 | 4 | 8 |
| Starts per program | 3 | 1 | 24 | 3 | 6 | 3 | 16 | 8 |
| Indoor installation | | | | ✓ | ✓ | ✓ | | |
| Outdoor installation | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Water Budget | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Applications: | | | | | | | | |
| <i>Terraces and balconies</i> | • | • | • | • | • | | | |
| <i>Small gardens</i> | • | | | • | • | • | | |
| <i>Medium sized gardens</i> | | | | • | • | • | • | |
| <i>Large gardens and parks</i> | | | | | • | | • | • |



CONTROLLERS

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LIFE™ DC

The new Life DC battery-powered controller allows you to water your garden even where there is no electricity as it is possible to install it directly in the valve box thanks to the IP68 water-resistant coating.

Programming is fast and simple thanks to the Bluetooth connection that allows you to manage the controller from your device via the Life DC App.

FEATURES

- Watering time: 1 min to 8 hours (1 min)
- Flexible scheduling:
 - Daily
 - Weekly
 - Even/odd days watering
 - Irrigation at intervals of 1 to 31 days
- Program that avoids "overlaps" between starts
- Automatic, semi-automatic and manual start
- Permanent memory
- Rain delay from 1 to 15 days or "permanent"

ADDITIONAL FEATURES

- Compatible with Irritrol DCL solenoid (max pressure 6 bar)
- Maintains programs in the memory during battery replacement
- Maintains the time in case of malfunction



- 1, 2, 4, 6 stations (IP68)
- 4 independent programs
- 3 starts per program
- Water Budget from 0% to 200%
- Bluetooth connection

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

FOCUS

IP68

The controller can be installed directly in the valve boxes and communicate via Bluetooth



SPECIFICATIONS

- IP68 case, 100% water resistant
- UV resistant plastic
- Power supply: 9V battery
- 9V output for Irritrol DCL latching solenoid
- Operating temperature: -10 ° C + 50 ° C
- Maximum distance of 300 m between the controller and the DCL solenoid (cable section 0.75mm²)

OPTIONS

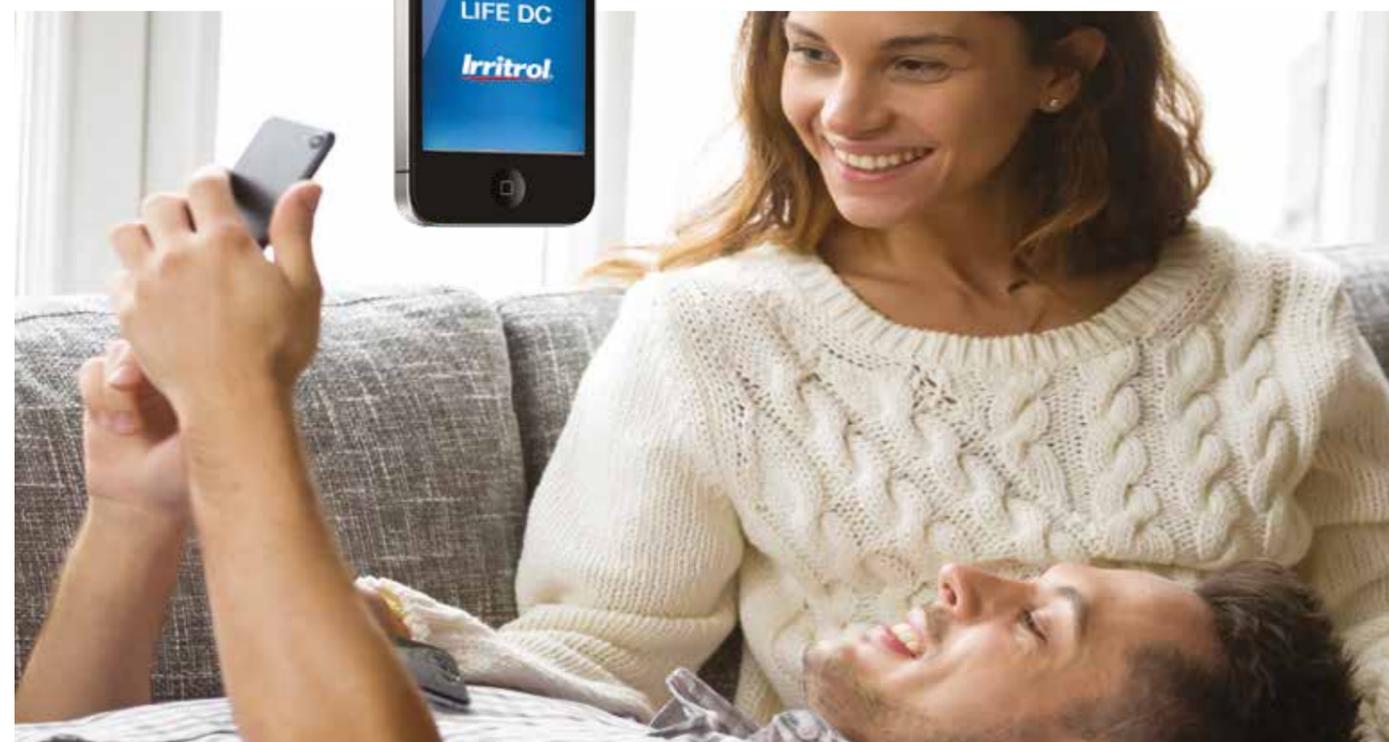
- Rain sensor connection

DIMENSIONS

- Height: 12.0 cm
- Width: 11.5 cm
- Depth: 5 cm



Thanks to the Bluetooth technology, the LIFE™ DC can be controlled simply from your mobile phone



Codification

| Model | Description |
|-----------|--|
| LIFE-1-DC | Life DC, 1-station battery-powered controller with Bluetooth |
| LIFE-2-DC | Life DC, 2-station battery-powered controller with Bluetooth |
| LIFE-4-DC | Life DC, 4-station battery-powered controller with Bluetooth |
| LIFE-6-DC | Life DC, 6-station battery-powered controller with Bluetooth |



ELECTRONIC TAP TIMER

Electronic Tap Timer, the electronic single-station battery-powered Irritrol controller with built-in solenoid valve, very easy to use. It can be connected to a normal tap, be installed on any terrace or balcony without the need for special materials or equipment. It also comes with a cover to protect the display and a battery seal. Programming is quick and easy, also providing for the possibility of managing irrigation in manual or automatic mode.



- 1 station
- 8 independent programs
- 1 start per program
- Female 3/4" threaded connection

FEATURES

- Watering time from 1 minute to 23 hours and 59 minutes
- Irrigation scheduling: weekly or every other day (from 1 to 30)
- Low battery indicator
- Button for deleting the program
- Cover to protect the display

SPECIFICATIONS

- 9V output for Irritrol DCL latching solenoid
- Operating temperature: 5°C – 38°C
- Recommended water pressure: 1.4 to 6.9 bar
- Max operating pressure: 10 bar (with higher pressures use a pressure reducer)



Codification

| Model | Description |
|---------|---|
| IT-E TT | Electronic tap timer, single-station battery-powered electronic controller with built-in solenoid valve |

ELECTROMECHANICAL TAP TIMER

The new Tap Timer, a single-station battery-powered electromechanical controller with built-in solenoid valve made by Irritrol, has a new and compact design. The presence of the solenoid valve with solenoid allows a precise and reliable irrigation, which makes it perfect for terraces. Programming is quick and easy since irrigation can be managed on the basis of two parameters: irrigation frequency and duration.



- 1 station
- 1 independent program
- 24 starts per program
- Female 3/4" threaded connection

FEATURES

- Watering time from 0 to 120 minutes
- Irrigation scheduling: from 1 hour to 1 week
- Low battery indicator
- Delayed start of the program up to 12 hours

SPECIFICATIONS

- Power supply: 2 AA alkaline batteries
- Valve with bi-stable solenoid
- Recommended water pressure: from 0.35 - 8.6 bar
- Max temperature (°C): 38°C



Codification

| Model | Description |
|---------|---|
| IT-N TT | New Tap Timer, single-station electromechanical controller with 9V battery with female 3/4" threaded connection |

LIFE™

The innovative LIFE™ controller can be programmed comfortably from the sofa at home thanks to the possibility of detaching the programming module from the base, or, if you add the optional Wi-Fi module, even from your electronic device through the LIFE App™.

Life™ is the first controller which can be installed inside your apartment and become a furnishing accessory thanks to its colours and to its elegant and modern design.

FEATURES

- Watering time: from 1 min to 8 hours (1-min increases)
- Flexible scheduling:
 - Daily
 - Weekly
 - Even/odd days watering
 - Irrigation at intervals of 1 to 30 days
- Program that avoids "overlaps" between starts
- Rain suspension option programmable up to 31 days
- Permanent memory
- The "Super Cap" option allows you to keep the time and date in the event of a power failure for more than 24 hours (no batteries needed)
- "Test" program for all stations
- "HELP" button that allows you to view suggestions at any time, thus avoiding having to use the instruction manual
- Multilingual display (Italian, English, Spanish, French, German)
- EC Certification

ADDITIONAL FEATURES

- Modular controller: a single programming module can be used for all Life models for both indoor and outdoor use and for the various rear modules.
- Can be programmed even comfortably seated on your sofa (by detaching the programming module from the rear module)
- No batteries required



- 4, 6, 8 stations (for indoor and outdoor use)
- 2 independent programs
- 3 starts per program
- Water Budget from 0% to 200%
- Optional IOT Wi-Fi

FOCUS

SIMPLE AND INTUITIVE PROGRAMMING

Thanks to the easy-to-understand icons.



EYE-CATCHING DESIGN

Thanks to its colours and to its modern and elegant look & feel, LIFE™ is also a furnishing accessory for your home.

SPECIFICATIONS

- Input power:
 - 220 VAC, 50Hz
- Output power:
 - Max per station: 24 VAC (0.25 A)
 - Maximum total power (including MV control): 24 VAC (0.625 A)
- Operating temperature: from -10° to 60°C

OPTIONS

- IOT Wi-Fi module
- Box with transformer for outdoor version



DIMENSIONS

- Height: 14 cm
- Width: 18.6 cm
- Depth: 6.7 cm

Thanks to the optional Wi-Fi module you can program and control the controller from your mobile phone through the relative LIFE™ App.



Codification - LIFE™

| Model | Description |
|----------|--|
| LIFE-4 | Life, 4-station Controller with external 220 VCA transformer |
| LIFE-6 | Life, 6-station Controller with external 220 VCA transformer |
| LIFE-8 | Life, 8-station Controller with external 220 VCA transformer |
| LIFE-MOD | Life programming module |
| LIFE-B-4 | 4-station rear module with external 220 VAC transformer |
| LIFE-B-6 | 6-station rear module with external 220 VAC transformer |
| LIFE-B-8 | 8-station rear module with external 220 VAC transformer |
| LIFE-WF | Wi-Fi module for Life |
| LIFE-EXT | Outdoor box with transformer |



LIFE™ PLUS

The evolution of the basic LIFE™ is the "Plus" modular version: up to 16 stations can be managed with the same programming module. With LIFE™ PLUS it is also possible to control and program the irrigation of your garden at any time and from any place, by adding the optional internet Wi-Fi module and downloading the LIFE™ App on your mobile phone.

FEATURES

- Watering time: from 1 min to 8 hours (1-min increases)
- Flexible scheduling:
 - Daily
 - Weekly
 - Even/odd days watering
 - Irrigation at intervals of 1 to 30 days
- Rain suspension option programmable up to 31 days
- Programmable delay between stations (from 1 sec. to 8 min.)
- Automatic, semi-automatic and manual start
- Permanent memory: the "Super Cap" option allows you to keep the time and date in the event of a power failure for more than 24 hours (no batteries needed)
- Program that avoids "overlaps" between starts
- "HELP" button that allows you to view suggestions at any time, thus avoiding having to use the instruction manual
- Multilingual display (Italian, English, Spanish, French, German)
- EC Certification

ADDITIONAL FEATURES

- One of the 4 programs can be set as a continuous cycle program
- Possibility of working in m:h or s:m (up to 8 min.)
- The sensors can be managed in 5 different modes (off, start, stop, skip, pause)
- The pulse sensor is active even when the system is not in operation
- Hydraulic test
- Electrical test



- From 4 to 16 stations with expandable module of 4 stations each (internal and external)
- 4 independent programs
- 6 starts per program
- Water Budget from 0% to 200%
- Optional IOT Wi-Fi

FOCUS

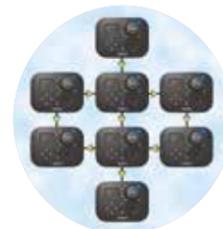
• *Optimise your irrigation by connecting LIFE™ PLUS to the Weather broadcasting service.*



• *Connect your LIFE™ PLUS to Alexa or Google Home to manage it with simple voice commands.*



• *Now you can connect up to 8 LIFE™ PLUS with each other with a maximum limit of 48 stations!*



SPECIFICATIONS

- Power
 - Absorbed power: 220 VAC, 50 Hz;
 - Power output: max. per station: 24 VAC (0.5 A); Max. Total (including MV control): 24 VAC (1.0 A)
- Operating temperature: from -10° to 60°C

OPTIONS

- Wi-Fi Internet module
- 4-station expansion module
- Box with transformer for outdoor version

DIMENSIONS

- Height: 14 cm
- Width: 18.6 cm
- Depth: 6.7 cm



With the optional IOT Wi-Fi you will always be connected with your irrigation system at any time and wherever you are!



Codification - LIFE™ PLUS

| Model | Description |
|-----------|---|
| LIFE-P | Life Plus, 4-station controller with external 220 VCA transformer |
| LIFE-P-SM | 4-station expansion module for Life Plus |
| LIFE-MOD | Life Plus programming module |
| LIFE-P-B | 4-station rear module with external 220 VAC transformer |
| LIFE-WF | Wi-Fi module for Life Plus |
| LIFE-EXT | Outdoor box with transformer |



RAIN DIAL

The Rain Dial electronic controller was created for a fast and flexible irrigation setting in medium-sized parks and gardens. Thanks to the removable panel, it can be set up in any place and through its many programming possibilities it is one of the most complete Irritrol controllers and can be used in different situations.



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

FEATURES

- Watering time: from 1 to 359 minutes (5.9 hours), in 1-minute increases per station
- Flexible irrigation scheduling:
 - Daily irrigation (up to 3 starts per day)
 - Weekly irrigation
 - Irrigation on even and odd days (with the 31st day of the month excluded)
 - Irrigation at intervals of 1 to 15 days
 - Day exclusion option: possibility of choosing the specific day or days you do not want to water
 - 365-day calendar
- Possibility of deleting a Stacking Program
- Rain off function for up to 9 days
- Automatic, semi-automatic and manual start per station or program
- Pump/master valve control per station
- Permanent memory
- Test program for all stations
- Delay option between 2 stations: possibility of setting an adjustable interval from 1 second to 2 hours between one station and the next (this facilitates the operation of the slow closing valves or the recovery of valve box water)
- Activation and deactivation of the pump/master valve even during the delay between 2 stations
- Container with cover and lock for the outdoor version
- Multilingual menu
- EC certification

ADDITIONAL FEATURES

- Option to remove the program start time 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.
- Reset to factory default settings

FOCUS

DIAGNOSTIC SWITCH

It allows the programmer to locate all stations with excess energy consumption, e.g. due to a faulty solenoid or a short circuit.

The station concerned is automatically bypassed and shown on the display



SPECIFICATIONS

- Input power:
 - Indoor model: 220 VAC, 50 Hz (0.5 Amp) (from plug transformer)
 - Outdoor model: 220 VAC, 50Hz (0.5 Amp)
- Output power for both models:
 - Max per station: 24 VAC (0.5 Amp)
 - Maximum total power (including pump control): 24 VAC (1.25 Amp)
- 2 Amp slow action fuse
- 9 Volt alkaline battery (not included)
- Operating temperature: from 0° to 60°C

OPTIONS

- Rain sensor
- Climate Logic

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



Codification - RAIN DIAL

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



TOTAL CONTROL

Total Control is the Irritrol controller designed for the irrigation of large gardens and parks, which can manage up to 48 stations. The flexibility it enjoys allows programming up to 16 daily starts and thanks to its large display and to the central selector, programming is in any case quick and easy even for systems with numerous stations.



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

FEATURES

- Watering time from 1 to 600 minutes (10 hours) in 1-minute increases
- Flexible irrigation scheduling:
 - Daily irrigation (up to 16 starts per day)
 - Weekly irrigation
 - Irrigation on even and odd days (with the 31st day of the month excluded)
 - Irrigation at intervals of 1 to 30 days
 - 365-day calendar
- Possibility of deleting a Stacking Program
- Rain off function for up to 7 days
- Automatic, semi-automatic and manual start
- Pump control/Master Valve for Permanent memory program up to 8 years
- Off switch to stop irrigation, keeping the program on for a programmable period of 1 to 7 days
- Activation of the rain sensor by switch Container with cover and lock
- Multilingual menu
- EC certification

ADDITIONAL FEATURES

- Clock forward in the absence of power for up to 90 days
- Metal container with key lock for the 36 and 48-station versions

FOCUS

AUTOMATIC PROGRAM FOR ELECTRONIC PROTECTION

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



SPECIFICATIONS

- Input power:
 - 220 VAC, 50Hz (0.5 Amp)
- Output power:
 - Max per station: 24 VAC max 50 Hz (0.5 Amp)
 - Max total (including pump control): 24 VAC max 50 Hz (1.25 Amp)
- 250Volt, 2 Amp slow action fuse
- 9 Volt alkaline battery (not included)
- Operating temperature: from 0° to 60°C

OPTIONS

- Rain sensor
- Climate Logic

DIMENSIONS

- Height: 21.3 cm
- Width: 26.7 cm
- Depth: 12.7 cm



Codification - TOTAL CONTROL

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



MC-E

The MC-E electronic controller created to control the irrigation of large gardens and parks, offers numerous advantages for saving water. Thanks to the possibility of installing alarms, it is possible to detect both unexpected events and excessive water consumption.

FEATURES

- Watering time:
 - From 10 to 59 seconds, with 1-second increases per station
 - From 1 minute to 9 hours and 59 minutes (10 hours), in 1-minute increases per station
- Flexible irrigation scheduling:
 - Daily irrigation
 - Irrigation on even and odd days (with the 31st day of the month excluded)
 - Irrigation at intervals of 1 to 60 days
- Up to 6 stations can run simultaneously
- Possibility of deleting a program
- Stacking Program
- Rain off function for up to 14 days
- Automatic, semi-automatic and manual start per station or program
- Pump/master valve control per station
- Permanent memory
- The backup battery holds the current time and date in the event of a power failure
- Test program for all stations
- Delay option between 2 stations: possibility of setting an adjustable interval from 1 second to 4 hours between one station and the next (this facilitates the operation of the slow closing valves or the recovery of valve box water)
- Activation and deactivation of the pump/master valve even during the delay between 2 stations
- Diagnostic switch to identify stations with excessive energy consumption, to highlight and stop them (they are automatically bypassed and highlighted on the display)
- Short circuit protection
- Multilingual menu
- EC certification



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

ADDITIONAL FEATURES

- Adjustment of the Water Budget on a monthly basis and per program
- Possibility of entering a password to avoid tampering
- Setting for all programs of a "loop" Inputs for:
 - Flow meter
 - Sensor On
 - Sensor Off
- Metal container with key lock
- Possibility of fixing the controller on a metal pedestal

FOCUS

POSSIBILITY OF SETTING 3 TYPES OF ALARMS IN THE EVENT OF:

- Short circuit
- Excessive water flow
- Excessive water loss



SPECIFICATIONS

- Input power:
 - 220 VAC, 50Hz (0.5 Amp)
- Output power:
 - Max per station: 24 VAC (1.25 Amp)
 - Max total power (including master valve): 24 VAC (2.08 Amp)

OPTIONS

- Flow meter
- Rain sensor
- Climate Logic

DIMENSIONS

- from 4 to 12 stations:
 - Height: 24.66 cm
 - Width: 27.13 cm
 - Depth: 10.79 cm
- from 18 to 48 stations:
 - Height: 31.42 cm
 - Width: 36.37 cm
 - Depth: 12.06 cm



Codification - MC-E

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



ICOD PLUS

Icod Plus, Irritrol's cod-decod system. It consists of a controller (Icod Plus) which codes the signals coming from the programmer in order to retransmit them through two non-polarised wires and of a decoder which decodes the signal transmitted by the controller. There are three types of decoders: one for the connection of the solenoid valves, one for the Main Valve and another for the Pump Control. Thanks to the six keys on the panel and to the alphanumeric display, programming is quick and easy even for non-experts.



- 8, 16, 24, 32, 40, 48 inputs depending on the modules installed (max from 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)

FEATURES

- The decoders are identified by a six-digit code which is automatically read by the controller
- Station activation in manual mode without the need for a controller to give the command
- 4 different types of alarm which respectively identify potential problems such as an open circuit, overload, short-circuit and one that is generic
- Possibility of updating the software and modifying the operating parameters (delay times between one decoder and another, EV maintenance voltage, alarms, etc.) through an RS232 socket for connecting to a PC.

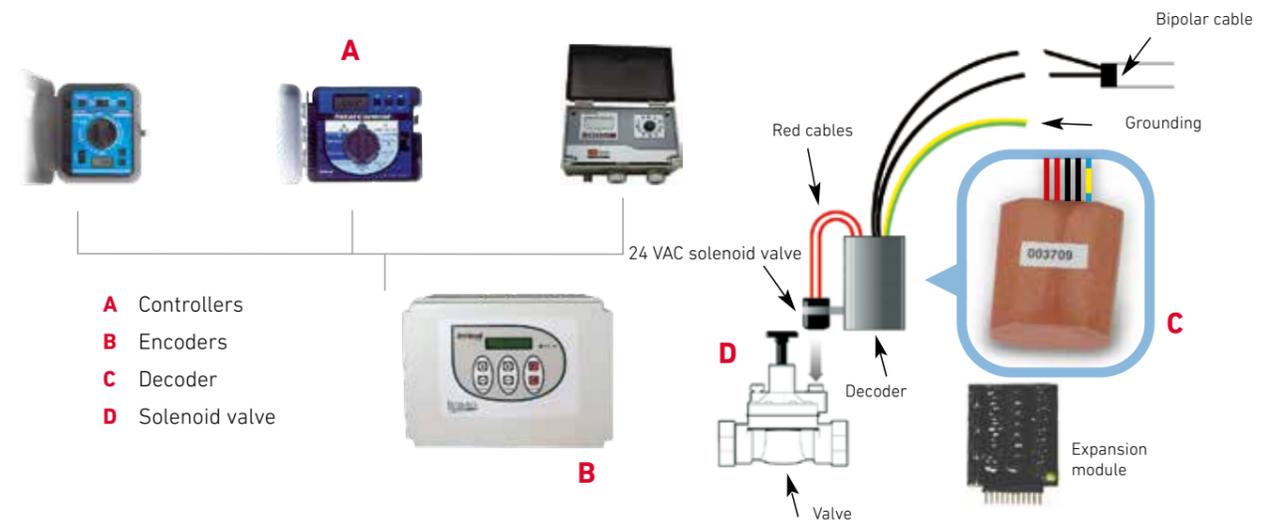
- Possibility of changing the impedance to better adapt to the various electrical conditions of the system
- Extractable terminals to facilitate system wiring
- Multilingual system
- IP68 resin Decoder (up to 50 cm of depth)
- PVC container for indoor and outdoor use (IP56) and removable closing cover with 4 screws, wall mounting

Codification - ICODE PLUS

| Model | Description |
|-----------------|---|
| IT-ICODPLUS | 16-station Icod Plus encoder (expandable to 48) |
| IT-IDECODM | Main Valve (MV) Decoder |
| IT-IDECODP | Pump control decoder |
| IT-IDECODPLUS | Field decoder for IP68 valve |
| IT-IDECODPLUS-L | Field decoder for valve with latching solenoid |
| 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 | 8-station internal expansion module with pre-wired terminal |

SPECIFICATIONS

- Input Power:
 - primary 230 VAC, 50 / 60Hz
 - Secondary A: 7 VAC, 400 mA
 - Secondary B: 33.5 VAC, 2.2 Amp
- Two-wire output power supply 46 VDC, max 2 Amp
- Sensor input power supply: N.F. switch
- Alarm output power supply: N.C. or N.O. Relay, 230VAC, 10 Amp
- Terminal boards:
 - Inputs: (1, 2, 3, ..., 48) 1 mm
 - outlet: max 6 mm
- Temperature: from -5° to + 50°C



Maximum cable length

| Cable FG7 Section (mm ²) | Specific resistance (Ohm / km) | Number of decoders connected to a single solenoid activatable 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 |



VALVES



VALVES

Pages 24-40

Comparison table

| | Height (cm) | Depth (cm) | Length (cm) | Operating pressure (bar) | Flow rate (m ³ /h) | In-line setting | In-line/ corner setting | Flow control | Omnireg | NPT | Small Gardens | Medium Gardens | Large Gardens |
|----------------------|-------------|------------|-------------|--------------------------|-------------------------------|-----------------|-------------------------|--------------|---------|-----|---------------|----------------|---------------|
| E-Pic F 3/4" - 1" | 12.7 | 5.9 | 11.2 | 0.5-10.0 | 1.2-7.2 | ✓ | | Optional | | | • | | |
| Euro M 3/4" | 12.8 | 9.5 | 14.0 | 0.5-12.0 | 1.2-9.6 | ✓ | | Optional | | | • | | |
| Euro M 1" | 13.5 | 9.5 | 14.0 | 0.5-12.0 | 1.2-9.6 | ✓ | | Optional | | | • | | |
| Euro M 1 1/4" | 14.5 | 9.5 | 14.5 | 0.5-12.0 | 1.2-9.6 | ✓ | | Optional | | | • | | |
| Euro F 3/4" | 13.0 | 9.5 | 12.0 | 0.5-12.0 | 1.2-7.2 | ✓ | | Optional | | | • | | |
| Euro F 1" | 13.0 | 9.5 | 12.0 | 0.5-12.0 | 1.2-9.6 | ✓ | | Optional | | | • | | |
| S 1 Series 1/2" | 16.0 | 10.0 | 15.0 | 0.7-10.0 | 4.8-18.0 | ✓ | | Optional | ✓ | | | • | |
| S Series 2" | 18.0 | 11.5 | 18.0 | 0.7-10.0 | 6.0-36.0 | ✓ | | Optional | ✓ | | | | • |
| 2400 1" | 13.0 | 7.6 | 10.0 | 0.7-10.0 | 0.06-7.2 | ✓ | | Optional | | ✓ | • | | |
| 2500 3/4" and 1" | 13.0 | 7.0 | 12.7 | 0.7-10.0 | 0.06-7.2 | ✓ | | Optional | | ✓ | • | | |
| 200 B 1 1/2" | 20.3 | 10.6 | 13.6 | 1.4-10.0 | 4.8-18.0 | | ✓ | Standard | ✓ | ✓ | | • | |
| 200 B 2" | 23.0 | 12.0 | 15.8 | 1.4-10.0 | 6.0-36.0 | | ✓ | Standard | ✓ | ✓ | | | • |
| 100 Plus 1" | 17.1 | 9.2 | 12.1 | 0.7-15.0 | 1.1-12.0 | | ✓ | Standard | ✓ | ✓ | • | | |
| 100 Plus 1-1/2" | 18.4 | 9.2 | 12.1 | 0.7-15.0 | 7.2-24.0 | | ✓ | Standard | ✓ | ✓ | | • | |
| 100 Plus 2" | 24.1 | 15.5 | 19.7 | 0.7-15.0 | 18.0-33.0 | | ✓ | Standard | ✓ | ✓ | | | • |
| 100 Plus 3" | 27.3 | 15.5 | 20.9 | 0.7-15.0 | 36.0-68.1 | | ✓ | Standard | ✓ | ✓ | | | • |
| 700 UltraFlow 3/4 " | 11.5 | 4.8 | 8.6 | 0.7-10.0 | 0.02-7.2 | ✓ | | | ✓ | ✓ | • | | |
| 700 UltraFlow 1" | 11.5 | 7.6 | 11.6 | 0.7-10.0 | 0.02-10.8 | ✓ | | Standard | ✓ | ✓ | • | | |
| 700 UltraFlow 1 1/2" | 14.0 | 11.1 | 15.8 | 0.7-10.0 | 3.6-30.0 | ✓ | | Standard | ✓ | ✓ | | • | |
| 700 UltraFlow 2" | 17.8 | 14.0 | 20.3 | 0.7-10.0 | 6.0-42.0 | ✓ | | Standard | ✓ | ✓ | | | • |



| | |
|----------------------|----|
| E-PIC | 24 |
| EURO F and M SERIES | 26 |
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| OMNIREG | 40 |

E-PIC

E-pic is the Irritrol valve specially designed for small residential irrigation systems. The low flow rates it can guarantee and its small size, together with the very easy maintenance, make it the best choice for these applications.



- 3/4" and 1" Female thread
- In-line structure
- Body and lid in fiberglass reinforced nylon (30%)

FEATURES

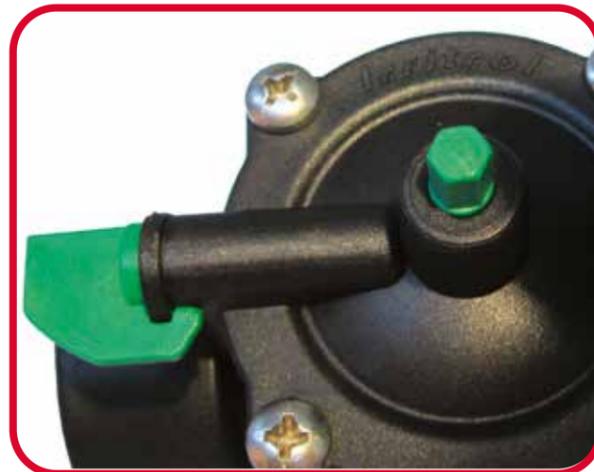
- Manual opening with standard internal drain
- Optional flow control
- Slow, anti-water hammer closing
- Double rib thermoplastic rubber diaphragm

ADDITIONAL FEATURES

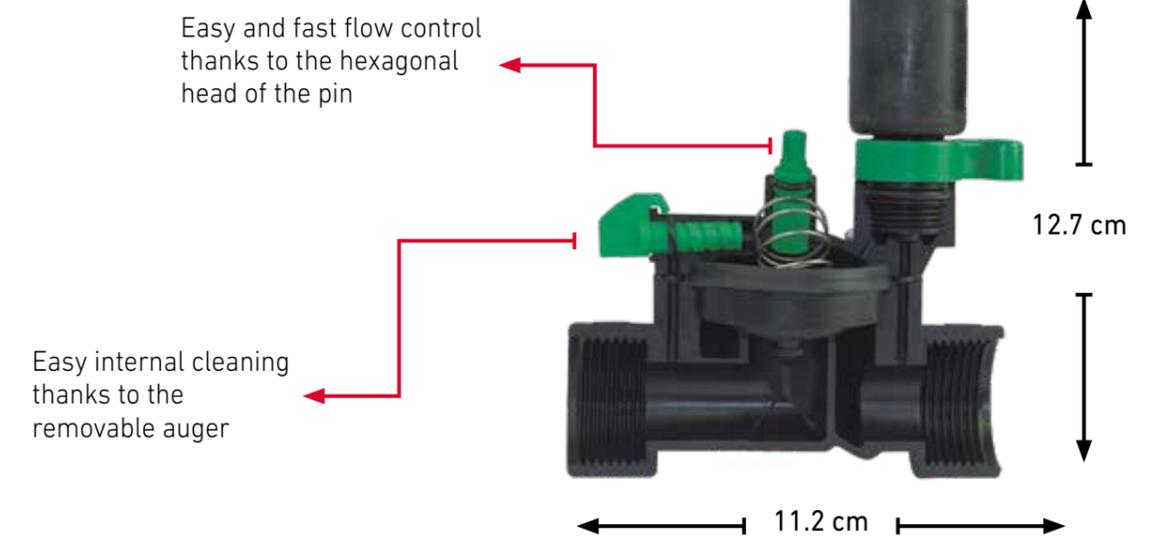
- 4-screw easy valve opening system
- Flow control with 6mm Allen screw system
- Serviceable auger removable from the outside
- Flow rate of 80.0 l/min with 0.6 bar of pressure drop

SPECIFICATIONS

- Flow rate: 1.2 – 9.6 m³/h (20 – 160 l/min)
- Operating pressure: 0.5 - 12.0 bar
- Solenoid 24VAC - 50Hz:
 - Surge current absorption 0.34 Amp
 - Standard absorption 0.20 Amp



FOCUS



Compact design

PRESSURE DROP TABLE (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 |

* Valve suitable for systems with flow rates starting from 20 l/min



Codification - E-PIC

| Model | Description |
|----------------|--|
| EU-EPIC-0.75-C | 3/4" Female E-pic Series Valve, With Flow Control |
| EU-EPIC-0.75-S | 3/4" Female E-pic Series Valve, Without Flow Control |
| EU-EPIC-1-C | 1" Female E-pic Series Valve, With Flow Control |
| EU-EPIC-1-S | 1" Female E-pic Series Valve, Without Flow Control |



EURO F and M SERIES

The Euro F and M series comprises a variety of valves that are very easy to install and use. A historical range for Irritrol who has always guaranteed high performance and reliability to its users.



FEATURES

- Internal manual opening
- Models available with flow control
- Slow, anti-water hammer closing
- Double rib thermoplastic rubber diaphragm
- Captive watertight solenoid (the internal piston is held by the solenoid)
- Fastening with screws

- 3/4", 1", 1 1/4" Male and female thread
- In-line structure
- Body and lid in fiberglass reinforced nylon (30%)

SPECIFICATIONS

- Flow rate: 1.2 – 9.6 m³/h (20 – 160 l/min)
- Operating pressure: 0.5 - 12.0 bar
- Solenoid 24VAC - 50Hz:
 - Surge current absorption 0.34 Amp
 - Standard absorption 0.20 Amp

SERIES F PRESSURE DROP TABLE (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 |
| 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 |

M SERIES PRESSURE DROP TABLE (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 |
| 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 1/4" | 0.28 | 0.32 | 0.27 | 0.23 | 0.35 | 0.50 | 0.67 | 0.88 |

OPTIONS

- DCL solenoid (bi-stable) for the Euro F model
- Possibility of having the Euro F valve in the same pack of the 1-station Life DC



FOCUS

Easy and fast flow control thanks to the removable handle



Codification - EURO F

| Model | Description |
|--------------------|---|
| EU-VHE020033-1 | 3/4" Female Euro F valve, Without Flow Control |
| EU-VHE020003-1 | 3/4" Female Euro F valve, With Flow Control |
| EU-VHE025033-1 | 1" Female Euro F valve, Without Flow Control |
| EU-VHE025003-1 | 1" Female Euro F valve, With Flow Control |
| EU-VHE025003-1-DCL | 1" Female Euro F valve, With Flow Control, with DCL latching solenoid |
| EU-VHE020033-4 | 3/4" Female Euro F valve, Without Flow Control, without solenoid |
| EU-VHE020003-4 | 3/4" Female Euro F valve, With Flow Control, without solenoid |
| EU-VHE025033-4 | 1" Female Euro F valve, Without Flow Control, without solenoid |
| EU-VHE025003-4 | 1" Female Euro F valve, With Flow Control, without solenoid |
| LIFE-1-DC-EUROF | 1-station Life DC with Euro F 1" valve |

Codification - EURO M

| Model | Description |
|----------------|--|
| EU-VHE020133-1 | 3/4" Male Euro M valve, Without Flow Control |
| EU-VHE020103-1 | 3/4" Male Euro M valve, With Flow Control |
| EU-VHE025133-1 | 1" Male Euro M valve, Without Flow Control |
| EU-VHE025103-1 | 1" Male Euro M valve, With Flow Control |
| EU-VHE032133-1 | 1/4" Male Euro M 1 Valve, Without Flow Control |
| EU-VHE032103-1 | 1/4" Male Euro M 1 valve, With Flow Control |
| EU-VHE020133-4 | 3/4" Male Euro M valve, Without Flow Control, without solenoid |
| EU-VHE025103-4 | 1" Male Euro M valve, With Flow Control, without solenoid |

S SERIES *

The S series is the special line of Irritrol valves equipped with a patented system for slow or fast closure. Furthermore, maintenance is made easy by the position of the filter in the upper part of the valve which makes it easy to service without having to disassemble it.



- 1 1/2", 2" female thread
- In-line structure
- Body and lid in fiberglass reinforced nylon (30%)

FEATURES

- Internal manual opening
- Standard flow control
- Slow, anti-water hammer closing
- Double rib Santoprene diaphragm
- Captive watertight solenoid (the internal piston is held by the solenoid)

ADDITIONAL FEATURES

- Labyrinth that allows slow or fast valve closure
- Easily serviceable internal filter
- Removable flow regulator

SPECIFICATIONS

- Flow rate: 4.8 – 36.0 m³/h (80 – 600 l/min)
- Operating pressure: 0.7 - 10.0 bar
- 24VAC - 50Hz Solenoid (24VAC - 60Hz on request)
 - Surge current absorption 0.34 Amp
 - Standard absorption 0.20 Amp



OPTIONS

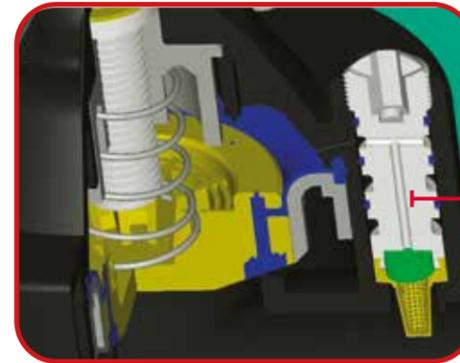
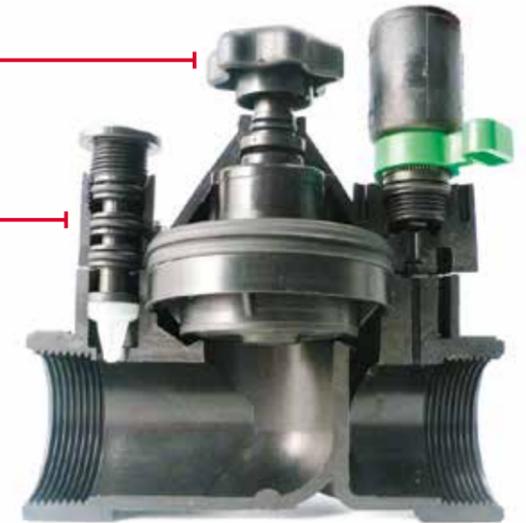
- Compatible with the Omnireg pressure regulator



FOCUS

Easy and fast flow control thanks to the handle

Easily serviceable filter



Labyrinth that ensures slow closure against water hammering

S SERIES PRESSURE LOSS TABLE (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 1/2" | 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 - S SERIES

| Model | Description |
|-----------|---|
| EU-VIS040 | 1 1/2" Female S Series Valve, With Flow Control |
| EU-VIS050 | 2" Female S Series Valve, With Flow Control |

* Patents No: US 6.877.714 B2



2400 SERIES

The 2400 series valves are the right answer to the needs for ease and convenience of installation and maintenance thanks to the in-line configuration and the ring nut closure on the upper part. Intended for use in small systems, they are characterised by a PVC body and by a double rib diaphragm that make them some of the most durable valves and resistant to UV rays and water leaks.

FEATURES

- Internal and external manual opening
- Models available with flow control
- Slow, anti-water hammer closing
- Double rib Santoprene diaphragm
- Captive watertight solenoid (the internal piston is held by the solenoid)

SPECIFICATIONS

- Flow rate: 0.06 – 7.2 m³/h (1 – 120 l/min)
- Operating pressure: 0.7 - 10.0 bar
- 24VAC - 50Hz Solenoid (24VAC - 60Hz on request)
 - Surge current absorption 0.34 Amp
 - Standard absorption 0.20 Amp

OPTIONS

- DCL solenoid (bi-stable)
- Possibility of having the 2400 valve in the same pack of the 1-station Life DC



- 1" male and female thread
- In-line structure
- PVC body, lid and locking ring in fiberglass reinforced nylon (30%)



FOCUS

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

The replacement of the internal components can be made in minutes

The double rib diaphragm ensures protection against leaks



2400 SERIES PRESSURE LOSS TABLE (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 | 17 | 60 | 80 | 100 | 120 |
| 1" | 0.34 | 0.31 | 0.24 | 0.28 | 0.21 | 0.23 | 0.34 | 0.45 |

Codification - 2400 SERIES

| Model | Description |
|-------------------|--|
| 2400MT | 1" Female 2400 valve, Without Flow Control |
| 2400MTF | 1" Female 2400 valve, With Flow Control |
| 2400MT-DCL | 1" Female 2400 valve, Without Flow Control, with DCL latching solenoid |
| 2400MT-M | 1" Male 2400 valve, Without Flow Control |
| 2400MTF-M | 1" Male 2400 valve, With Flow Control |
| LIFE-1-DC-2400 MT | 1-station Life DC with 2400MT valve |

2500 SERIES

The 2500 series valves are ideal for small- and medium-sized systems that use dirty or valve box water. The double rib diaphragm ensures high performance without water leaks for long periods of time even in the presence of debris.



- ¾" and 1" Female thread
- In-line structure
- PVC body

FEATURES

- Internal and external manual opening
- Models available with flow control
- Slow, anti-water hammer closing
- Double rib Santoprene diaphragm
- Captive watertight solenoid (the internal piston is held by the solenoid)

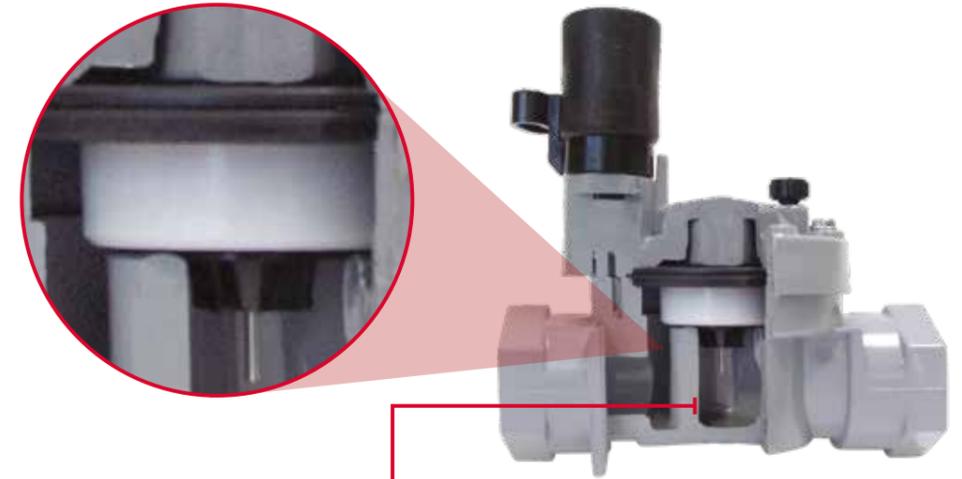


SPECIFICATIONS

- Flow rate: 0.06 – 7.2 m³/h (1 – 120 l/min)
- Operating pressure: 0.7 - 10.0 bar
- 24VAC - 50Hz Solenoid (24VAC - 60Hz on request)
 - Surge current absorption 0.34 Amp
 - Standard absorption 0.20 Amp



FOCUS



The patented, debris-tolerant "floating bleed needle system" makes this valve ideal for dirty water applications

2500 SERIES PRESSURE LOSS TABLE (bar)

| | | | | | | | | |
|------------------------|------|------|------|------|------|------|------|------|
| m³/h | 0.06 | 0.45 | 1.2 | 2.4 | 3.6 | 4.8 | 6.0 | 7.2 |
| l/min | 1 | 8 | 20 | 17 | 60 | 80 | 100 | 120 |
| ¾" | 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 |

Codification - 2500 SERIES

| Model | Description |
|------------|--|
| 2507TF-50H | ¾" Female 2500 valve, With Flow Control |
| 2500MT | 1" Female 2500 valve, Without Flow Control |
| 2500MTF | 1" Female 2500 valve, With Flow Control |



200B SERIES

Thanks to the PVC body and lid, the 200B series offers valves resistant to UV rays and even to corrosion as they are equipped with stainless steel screws. Both the base and the upper part of the structure are reinforced, making this range one of the most resistant on the market.



- 1-1/2" and 2" female thread
- In-line/corner structure
- Body and lid in PVC

FEATURES

- Manual opening with internal and external drain
- Standard flow control
- Slow, anti-water hammer closing
- Synthetic rubber diaphragm reinforced with double rib
- Captive watertight solenoid (the internal piston is held by the solenoid)
- Cover for closing the unused inlet with "O-Ring" gasket that guarantees a hermetic closure without the need for Teflon



SPECIFICATIONS

- Flow rate: 4.8 – 36.0 m³/h (80 – 600 l/min)
- Operating pressure: 1.4 - 10.0 bar
- 24VCA - 50Hz Solenoid
 - Surge current absorption 0.34 Amp
 - Standard absorption 0.20 Amp

OPTIONS

- Compatible with the Omnireg pressure regulator



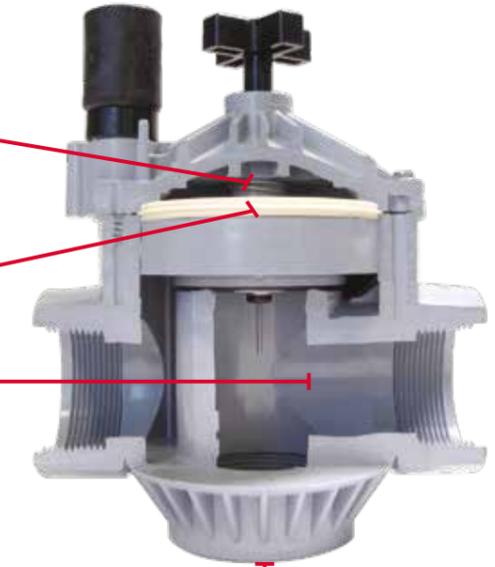
FOCUS

The ribs in the lid contribute to reinforcing the valve structure

The double rib Santoprene diaphragm ensures protection against leaks

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

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



200B SERIES PRESSURE LOSS TABLE (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 1/2" line | 0.21 | 0.19 | 0.18 | 0.16 | 0.16 | 0.19 | 0.23 | 0.32 | 0.38 | - | - | - | - | - | - |
| 1 1/2" angle | 0.19 | 0.17 | 0.15 | 0.14 | 0.15 | 0.15 | 0.21 | 0.25 | 0.30 | - | - | - | - | - | - |
| 2" line | - | 0.14 | 0.13 | 0.12 | 0.12 | 0.11 | 0.11 | 0.13 | 0.20 | 0.30 | 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 - 200B SERIES

| Model | Description |
|-----------|--|
| 216B-M | 1 1/2" Female 200B Series Valve, With Flow Control |
| 216-M-LS | 1 1/2" Female 200B Series Valve, With Flow Control, without solenoid |
| 217B-M | 2" Female 200B Series Valve, With Flow Control |
| 217B-M-LS | 2" Female 200B Series Valve, With Flow Control, without solenoid |



CENTURY PLUS SERIES

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.

FEATURES

- Manual opening with internal and external drain
- Standard flow control
- Slow, anti-water hammer closing
- Rubber diaphragm reinforced with double rib
- Captive watertight solenoid (the internal piston is held by the solenoid)
- Cover for closing the unused inlet with "O-Ring" gasket that guarantees a hermetic closure without the need for Teflon

ADDITIONAL FEATURES

- Fastening of the upper part to the body by means of nuts and threaded pins incorporated in the die
- Self-cleaning control holes
- Brass flow control rod for 2" and 3" models

SPECIFICATIONS

- Flow rate: 1.1 - 68.1 m³/h (18 - 1135 l / min)
- Operating pressure:
 - 0.7 -15.0 bar for the 1" and 1.5" models
 - 1.4 - 15.0 bar for the 2" and 3" models
- 24VCA - 50Hz Solenoid
 - Surge current absorption 0.34 Amp
 - Standard absorption 0.20 Amp



- 1", 1 ½", 2" and 3" female thread
- In-line/corner structure
- Body and lid in fiberglass reinforced nylon (30%)



OPTIONS

- Compatible with the Omnireg pressure regulator

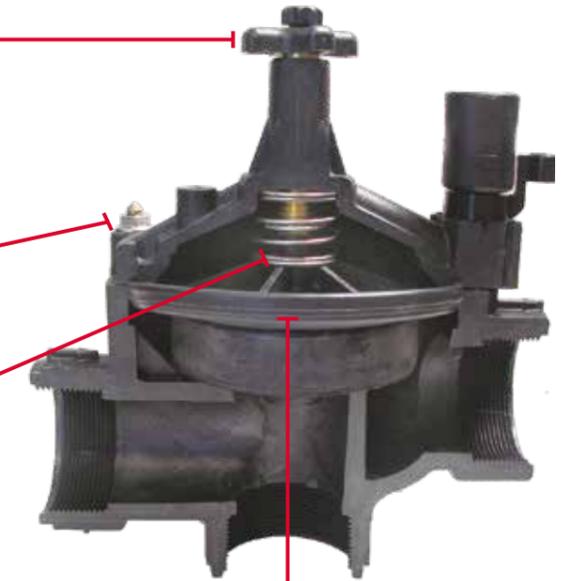
FOCUS

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

The shaped internal pins allow a good fit of the lid to the body

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



CENTURY PLUS SERIES PRESSURE LOSS TABLE (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" line | 0.43 | 0.32 | 0.29 | 0.24 | 0.22 | 0.25 | 0.32 | 0.43 | 0.55 | 0.69 | 0.83 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1" angle | 0.43 | 0.32 | 0.29 | 0.24 | 0.21 | 0.19 | 0.22 | 0.30 | 0.39 | 0.49 | 0.61 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1 ½" line | - | - | - | - | - | - | 0.12 | 0.14 | 0.18 | 0.22 | 0.28 | 0.43 | 0.32 | 0.90 | 1.11 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1 ½" angle | - | - | - | - | - | - | 0.09 | 0.10 | 0.12 | 0.17 | 0.22 | 0.34 | 0.48 | 0.65 | 0.84 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2" line | - | - | - | - | - | - | - | - | - | - | - | - | 0.14 | 0.20 | 0.25 | 0.32 | 0.40 | 0.48 | - | - | - | - | - | - | - | - | - | - | - |
| 2" angle | - | - | - | - | - | - | - | - | - | - | - | - | 0.08 | 0.12 | 0.15 | 0.19 | 0.24 | 0.29 | - | - | - | - | - | - | - | - | - | - | - |
| 3" line | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.18 | 0.20 | 0.23 | 0.28 | 0.32 | 0.36 | 0.41 | 0.47 | 0.52 | 0.58 | 0.70 |
| 3" angle | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.14 | 0.16 | 0.19 | 0.22 | 0.26 | 0.30 | 0.34 | 0.38 | 0.43 | 0.49 | 0.58 |

Codification - CENTURY PLUS SERIES

| Model | Description |
|----------------|---|
| 100P1-BSP | 1" Female Century Plus valve, With Flow Control |
| 100P1.5-BSP | 1 ½" Female Century Plus valve, With Flow Control |
| 100P2-BSP | 2" Female Century Plus valve, With Flow Control |
| 100P3-BSP | 3" Female Century Plus valve, With Flow Control |
| 100P1-LS-BSP | 1" Female Century Plus valve, With Flow Control, without solenoid |
| 100P1.5-LS-BSP | 1 ½" Female Century Plus valve, With Flow Control, without solenoid |
| 100P2-LS-BSP | 2" Female Century Plus valve, With Flow Control, without solenoid |
| 100P3-LS-BSP | 3" Female Century Plus valve, With Flow Control, without solenoid |



700 ULTRAFLOW SERIES

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 operation 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.



- ¾", 1", 1 ½", 2" Female thread
- In-line structure
- Body and lid in fiberglass reinforced nylon (30%)

FEATURES

- Internal manual opening
- Standard flow control (excluding the ¾" model)
- Slow, anti-water hammer closing
- Diaphragm in fabric-reinforced Buna-N
- Captive watertight solenoid (the internal piston is held by the solenoid)

ADDITIONAL FEATURES

- Internal filter in 150 Mesh stainless steel (excluding ¾" model)
- Direct passage flow for lower pressure drops
- Brass rod and stainless steel plate at the end of the stroke, for greater protection of the membrane

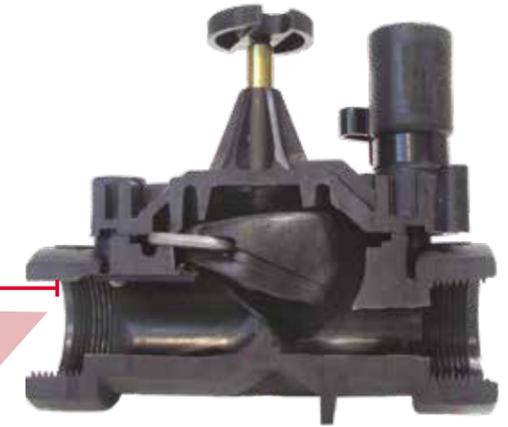
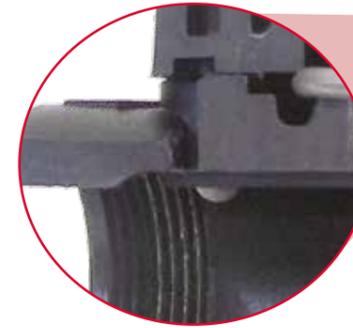
SPECIFICATIONS

- Flow rate: 0.02 – 42.0 m³/h (0.3 – 700 l/min)
- Operating pressure: 0.7 - 10.0 bar
- 24VCA - 50Hz Solenoid
 - Surge current absorption 0.34 Amp
 - Standard absorption 0.20 Amp



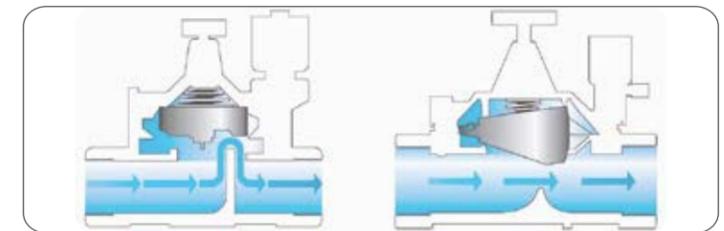
FOCUS

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



Standard labyrinth

Straight labyrinth without detours - Ultraflow



700 ULTRAFLOW SERIES PRESSURE DROP TABLE (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 - 700 ULTRAFLOW SERIES

| Model | Description |
|----------------|---|
| 700B-75-50H | ¾" Female 700 Ultraflow Valve, Without Flow Control |
| 700-1-BSP | 1" Female 700 Ultraflow valve, With Flow Control |
| 700-1.5-BSP | 1 ½" Female 700 Ultraflow valve, With Flow Control |
| 700-2-BSP | 2" Female 700 Ultraflow valve, With Flow Control |
| 700-.75-LS | ¾" Female 700 Ultraflow Valve, Without Flow Control, without solenoid |
| 700-1-BSP-LS | 1" Female 700 Ultraflow valve, With Flow Control, without solenoid |
| 700-1.5-BSP-LS | 1 ½" Female 700 Ultraflow valve, With Flow Control, without solenoid |
| 700-2-BSP-LS | 2" Female 700 Ultraflow valve, With Flow Control, without solenoid |



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.

FEATURES

- It is installed vertically in the solenoid holder cavity with two screws specially provided *.
- It does not need a pressure gauge as the central selector indicates the outlet pressure in both Bar and Psi
- At the outlet, the desired pressure can be calibrated both with the system stopped and in operation
- It maintains a constant downstream pressure for greater accuracy in low pressure conditions
- It eliminates the need for a double stock of valves
- Accuracy level with a degree of approximation of ± 0.2 bar

* The solenoid is placed in the side cavity of the Omnireg

SPECIFICATIONS

- Flow rate: 3.8 – 1136 l/min
- Inlet pressure: up to 13.8 bar
- Outlet pressure adjustment:
 - OMR-30 model: from 0.35 to 2.1 bar
 - OMR-100 model: from 0.35 to 6.9 bar
- A pressure differential between the inlet and the outlet of at least 0.7 bar is required
- The speed must not exceed 2.3 m/sec in order to reduce water hammering

OPTIONS

- "Schrader" connection to allow verifying the programmed pressure

Codification - OMNIREG

| Model | Description |
|---------|--|
| OMR-30 | Omnireg pressure regulator (up to 2.1 bar) |
| OMR-100 | Omnireg pressure regulator (up to 6.9 bar) |
| OMR-DS | Downstream pressure measurement kit |

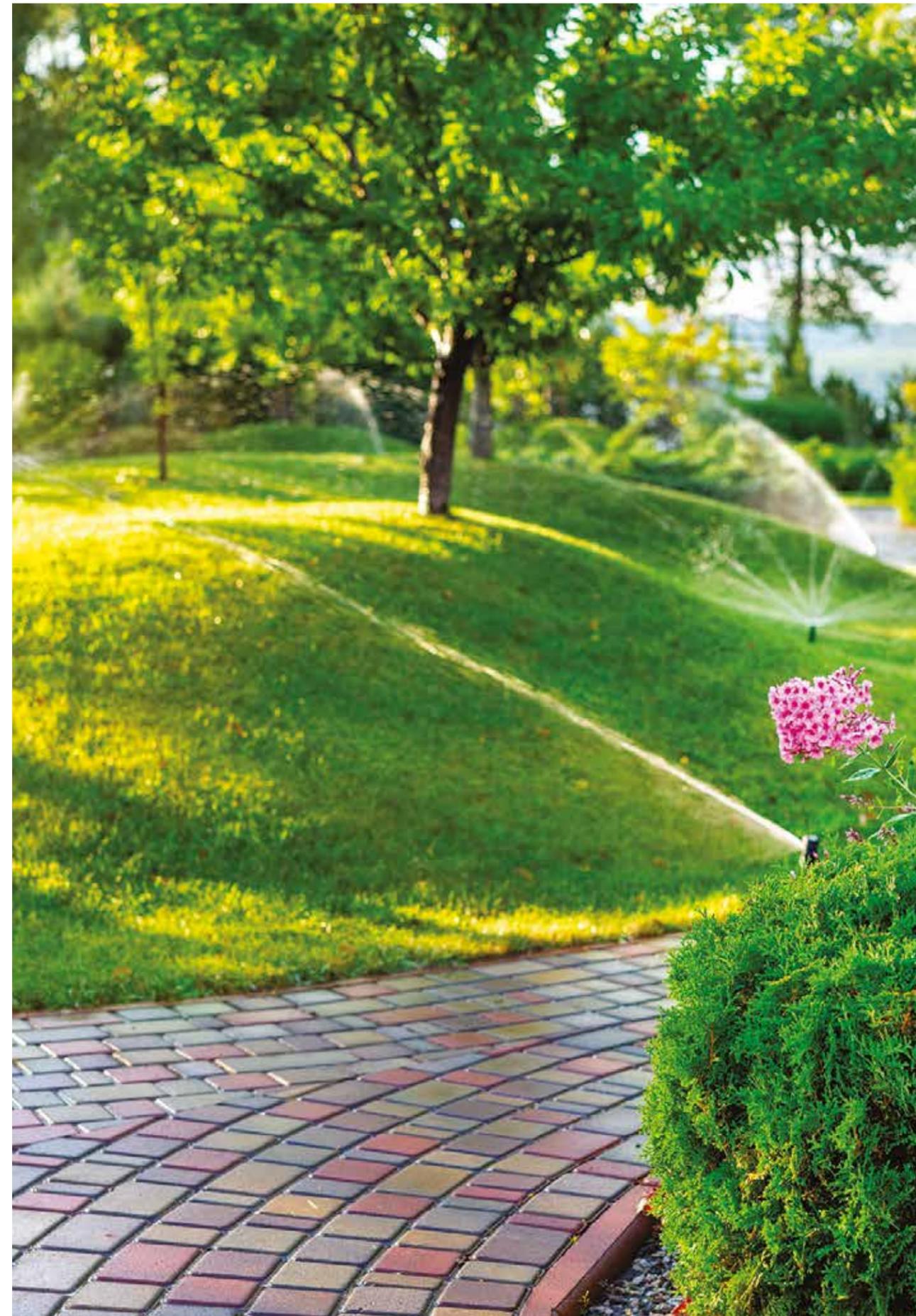


- Suitable for the 200, 700 Ultraflow and Century Plus Series valves
- Installation in vertical position
- Body in fiberglass reinforced nylon, metal components constructed with steel and brass

FOCUS

EASY TO USE

To set the desired pressure, just turn the central selector



SPRAYHEADS AND NOZZLES

Comparison table

SPRAYHEADS

| | SL SERIES | I-PRO SERIES |
|----------------------------------|-------------|-----------------|
| Pop-up height | 2", 4", 6" | 3", 4", 6", 12" |
| Inlet size | 1/2" Female | 1/2" Female |
| Operating pressure (bar) | 1.5-3.0 | 1.5-3.5 |
| Optional check valve | • | • |
| Optional pressure regulator | | • |
| Recycled water indication option | | • |
| Pre-installed nozzle option | • | • |

NOZZLES

| | ROTARY NOZZLES | I-PRO NOZZLES | PRO-VAN NOZZLES | SPECIAL NOZZLES |
|--------------------------|----------------------------|---------------|-----------------|-----------------|
| Arc | Full circle and adjustable | fixed | adjustable | fixed |
| Radius (m) | 4.3-8.0 | 1.2-4.9 | 2.1-5.1 | 3.9-14.7 |
| Flow rate (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 |



SPRAYHEADS and NOZZLES

Pages 44-53

| | |
|-----------------|----|
| SL SERIES | 44 |
| I-PRO SERIES | 46 |
| ROTARY NOZZLES | 48 |
| I-PRO NOZZLES | 50 |
| PRO-VAN NOZZLES | 52 |
| SPECIAL NOZZLES | 54 |

SL SERIES

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



FEATURES

- One-piece moulded sprinkler body for increased durability
- Self-cleaning active seal to remove debris from the lifting piston
- Stainless steel spring that ensures proper riser retraction
- Nozzles with matched precipitation
- The arc of the Pro-Van nozzles can be adjusted even when the sprinkler is running
- Available with pre-installed Pro-Van nozzles with 10', 12', 15', 17' radius

- Models 2", 4" & 6" with 5, 10 and 15 cm pop-up height
- ½" female threaded internal coupling
- Compatible nozzles: Pro-Van, I-Pro, Rotary Nozzles, special nozzles

SPECIFICATIONS

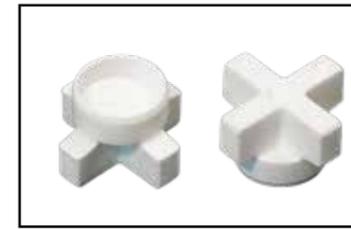
- Exposed diameter: 3,18 cm
- Recommended operating pressure: 1,5-3,0 bar
- Flushing
 - 1,9 l/min from 0 to 0,7 bar
 - 0 l/min (no flow) from 0,7 bar or greater
- Body height:
 - SL200: 10,5 cm
 - SL400: 15,5 cm
 - SL600: 20,6 cm

ADDITIONAL FEATURES

- Removable nozzles, internal filter and other components for quick cleaning and maintenance of the sprinkler
- Anti-debris label applied on models without nozzle



FOCUS



OPTIONAL CHECK VALVE

Check valve prevents low-head drainage, eliminating flood or erosion damage by keeping water in lateral pipes in elevation changes up to 2,1 meter

Codification - SL SERIES

| Model | Description |
|--|---|
| SL series body only | |
| SLP200 | SL 2" Sprayhead – pop-up height 5 cm |
| SLP400 | SL 4" Sprayhead – pop-up height 10 cm |
| SLP600 | SL 6" Sprayhead – pop-up height 15 cm |
| SL-VC | Check valve for SL Sprayhead |
| SL Series with Pro Van 10 pre-assembled nozzle, 2.7-3.0m Radius, 10° trajectory | |
| SLP210 | SL 2" Sprayhead – pop-up height 5 cm, with 10' adjustable Pro-Van nozzle |
| SLP410 | SL 4" Sprayhead – pop-up height 10 cm, with 10' adjustable Pro-Van nozzle |
| SL Series with Pro Van 12 pre-assembled nozzle, 3.0-3.7m Radius, 15° trajectory | |
| SLP212 | SL 2" Sprayhead – pop-up height 5 cm, with 12' adjustable Pro-Van nozzle |
| SLP412 | SL 4" Sprayhead – pop-up height 10 cm, with 10' adjustable Pro-Van nozzle |
| SL Series with Pro Van 15 pre-assembled nozzle, 4.1-4.6m Radius, 20° trajectory | |
| SLP215 | SL 2" Sprayhead – pop-up height 5 cm, with 15' adjustable Pro-Van nozzle |
| SLP415 | SL 4" Sprayhead – pop-up height 5 cm, with 15' adjustable Pro-Van nozzle |
| SL Series with Pro Van 17 pre-assembled nozzle, 4.3-5.1m Radius, 26° trajectory | |
| SLP217 | SL 2" Sprayhead – pop-up height 5 cm, with 17' adjustable Pro-Van nozzle |
| SLP417 | SL 4" Sprayhead – pop-up height 5 cm, with 17' adjustable Pro-Van nozzle |

I-PRO SERIES

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 offers the market sprayheads with superior efficiency, allowing time and money saving and at the same time meeting the needs of professional installers.

FEATURES

- Rough and sturdy body that facilitates installation thanks to the non-slip grip
- Pressure activated seal with lubricating additive
- Stainless steel spring that ensures proper riser retraction
- Nozzles with matched precipitation rate
- The arc of the Pro-Van nozzles 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' models that allow reducing the installation time (the 6" model also available with non-side inlet)

OPTIONS

- 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 meter
- Purple recycled-water indicator cap (I-PRO-NPC)



- 3", 4", 6" 12" models with 7,5 - 10 - 15 and 30 cm pop-up height
- Inlet size 1/2" female
- Compatible nozzles: Pro-Van, I-Pro, Rotary nozzles, special nozzles
- Compatible nozzles: Pro-Van, I-Pro, Rotary nozzles, special nozzles

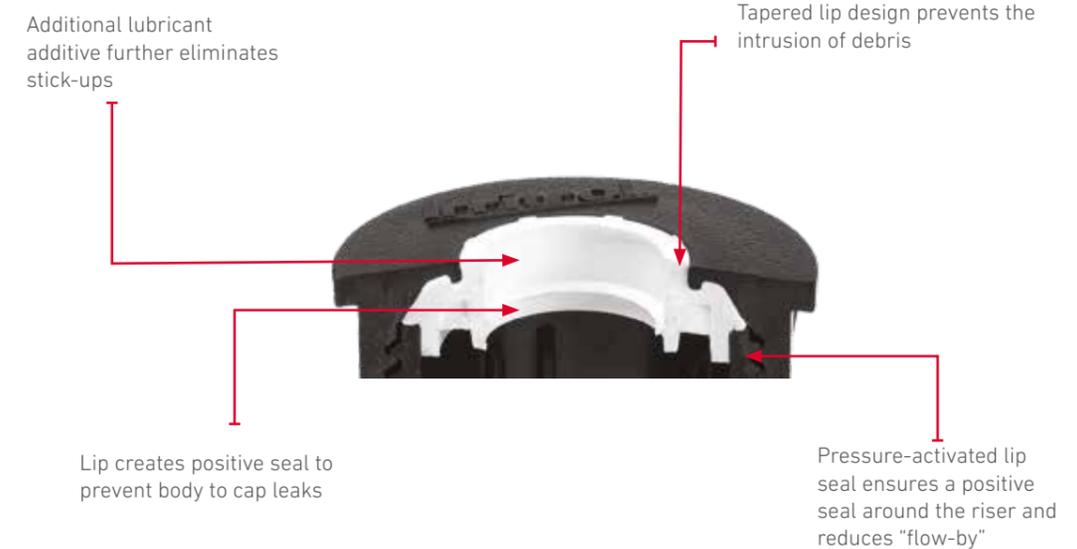
SPECIFICATIONS

- Side inlet: 11 cm (from the centre of the side inlet to the top of the cap)
- Exposed diameter: 5.6 cm Body diameter: 4 cm
- Recommended operating pressure:
 - Standard model: 1.5-3.5 bar (max 5.0 bar)
 - Model with check valve (CV): 1.7 - 3.4 bar (max 5.0 bar)
 - Model with 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



FOCUS

Superior performing wiper seal



Codification - I-PRO SERIES

| Model | 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 |

ROTARY NOZZLES

Irritrol Rotary Nozzles have been created to manage your garden in a more balanced and efficient way. Thanks to an innovative internal mechanism that allows a slower and more uniform release of water, the Rotary Nozzles ensure greater water savings than traditional nozzles.



- 2 Models: full circle (360°) and adjustable circle (45° -270°)
- Female threaded compatible with any male-threaded riser
- Matched precipitation rate of 14 mm/h

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: from 4.3 to 8.0 m
- Flow rate: from 0.68 to 15.82 l/min
- Operating pressure: from 1.7 to 5.2 bar

ADDITIONAL FEATURES

- Maintains precipitation rate as radius is reduced
- Maximum height of 20° trajectory to fight through wind



FOCUS

Steps



REGULAR UNIFORMITY

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..

EASE OF USE OF ROTARY NOZZLES

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



PERFORMANCE

| Pressure (bar) | Arc | Flow rate (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 |
| 360 | 6.85 | 4.6 | 19.42 | 22.43 | |
| 2.4 | 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 |
| | 270 | 5.19 | 5.5 | 13.73 | 15.85 |
| 360 | 8.9 | 5.8 | 15.87 | 18.33 | |
| 3.1 | 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 |
| | 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 | |
| 3.8 | 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 |
| | 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 | |
| 4.5 | 45 | 1.21 | 6.1 | 15.61 | 18.02 |
| | 90 | 3.14 | 7.6 | 13.05 | 15.07 |
| | 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 | |
| 5.2 | 45 | 1.32 | 6.7 | 14.11 | 16.3 |
| | 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 - ROTARY NOZZLES

| Model | Description |
|-----------|----------------------------------|
| IPN-R360 | Full circle nozzle 360° |
| IPN-RADJ | Adjustable arc nozzle 45°-270° |
| IPN-RTOOL | Key for rotary nozzle adjustment |

I-PRO NOZZLES

The I-PRO fixed nozzles with balanced precipitation rate (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.



- 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

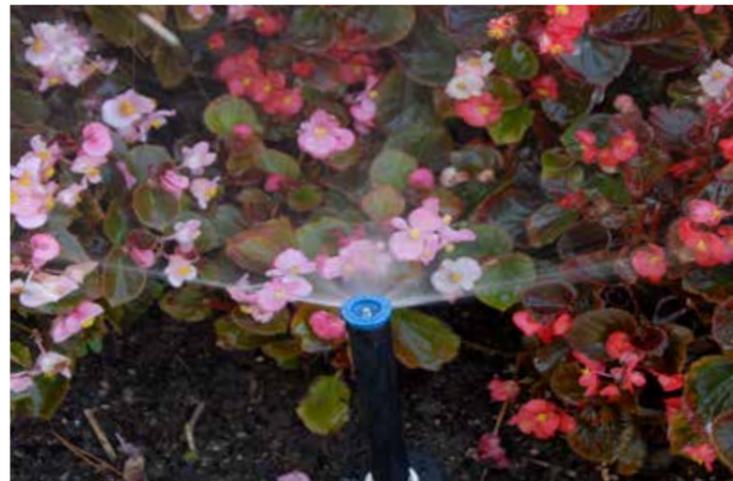
FEATURES

- 6 arc settings *
- Ribbed edge for a non-slip grip
- Radius reduction up to 25%
- Colour code for easy radius identification

* 5', 8' and 10' nozzles are not available with TT and TQ arc settings

SPECIFICATIONS

- Radius: 1.2 – 4.9 m
- Flow rate: 0.19-18.0 l/min
- Recommended operating pressure: 1.5 - 3.5 bar



Codification - I PRO NOZZLES

| Model | Description |
|----------|--|
| IPN-5XX | I Pro Series 5 nozzle: 1.3-1.8m radius |
| IPN-8XX | I Pro Series 8 nozzle: 2.2-2.7 m radius |
| IPN-10XX | I Pro Series 10 nozzle: 2.8-3.7 m radius |
| IPN-12XX | I Pro Series 12 nozzle: 3.4-4.3 m radius |
| IPN-15XX | I Pro Series 15 nozzle: 4.3-4.9 m radius |

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

PERFORMANCE

5'

| Arc | Description | Pressure (bar) | Flow rate (l/min) | Radius (m) |
|------|-------------|----------------|-------------------|------------|
| 90° | 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 |
| 120° | 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 |
| 180° | 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 |
| 360° | 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'

| Arc | Description | Pressure (bar) | Flow rate (l/min) | Radius (m) |
|------|-------------|----------------|-------------------|------------|
| 90° | 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 |
| 120° | 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 |
| 180° | 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 |
| 360° | 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'

| Arc | Description | Pressure (bar) | Flow rate (l/min) | Radius (m) |
|------|-------------|----------------|-------------------|------------|
| 90° | IPN-8Q | 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 |
| 120° | IPN-8T | 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 |
| 180° | IPN-8H | 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 |
| 360° | IPN-8F | 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'

| Arc | Description | Pressure (bar) | Flow rate (l/min) | Radius (m) |
|------|-------------|----------------|-------------------|------------|
| 90° | 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 |
| 120° | 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 |
| 180° | 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 |
| 240° | IPN-12TT | 1.5 | 4.53 | 3.4 |
| | | 2.0 | 5.87 | 3.7 |
| | | 2.5 | 6.60 | 4.0 |
| | | 3.0 | 7.71 | 4.0 |
| | | 3.5 | 7.28 | 4.0 |
| 270° | 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 |
| 360° | 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 | 10.60 | 4.0 |

15'

| Arc | Description | Pressure (bar) | Flow rate (l/min) | Radius (m) |
|------|-------------|----------------|-------------------|------------|
| 90° | 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 |
| 120° | IPN-15T | 1.5 | 3.89 | 4.3 |
| | | 2.0 | 4.50 | 4.6 |
| | | 2.5 | 5.32 | 4.9 |
| | | 3.0 | 5.79 | 4.9 |
| | | 3.5 | 5.94 | 4.9 |
| 180° | 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 |
| 240° | 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 |
| 270° | IPN-15TQ | 1.5 | 8.44 | 4.3 |
| | | 2.0 | 10.40 | 4.6 |
| | | 2.5 | 12.10 | 4.9 |
| | | 3.0 | 13.11 | 4.9 |
| | | 3.5 | 13.70 | 4.9 |
| 360° | IPN-15F | 1.5 | 11.20 | 4.3 |
| | | 2.0 | 14.10 | 4.6 |
| | | 2.5 | 16.50 | 4.9 |
| | | 3.0 | 17.92 | 4.9 |
| | | 3.5 | 18.0 | 4.9 |

PRO VAN NOZZLES

The Pro-Van adjustable nozzles allow you to adjust the arc according to need and to reduce the range thanks to the jet breaker screw. In addition, they offer excellent tolerance to dirt and highly uniform performance.



- 5 Models with adjustable arc from 0° to 360°
- Female thread compatible with I-PRO and SL sprinklers

FEATURES

- Excellent emission uniformity
- Excellent dirt tolerance
- Pre-assembled filter for easy installation
- Possibility of a radius reduction up to 25%
- Colour code for easy radius identification

SPECIFICATIONS

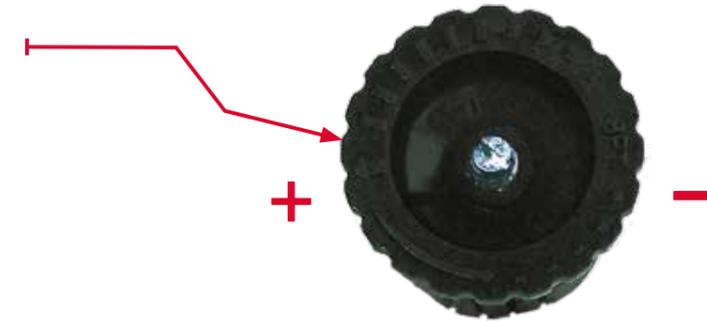
- Radius: 2.1 – 5.1 m
- Flow rate: 1.7 - 16.0 l/min
- Recommended operating pressure: 1.0 - 2.0 bar



FOCUS

EASY TO USE

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



PERFORMANCE

| Adjustable Nozzle | Arc | 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° | |
|-------------------|-----|--|------------|--|------------|--|------------|--|------------|--|------------|
| | | Flow rate (l/min) | Radius (m) | Flow rate (l/min) | Radius (m) | Flow rate (l/min) | Radius (m) | Flow rate (l/min) | Radius (m) | Flow rate (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 |

The data shown represent tests carried out in zero wind conditions. Adapt according to local conditions. The radius can be reduced by up to 25% with the adjusting screw (this may alter the uniformity).

Codification - PRO VAN NOZZLES

| Model | Description |
|-----------|--|
| PRO-VAN8 | Series 8 nozzle, 0° -360° adjustable arc, 2.1-2.4 m radius, brown |
| PRO-VAN10 | Series 10 nozzle, 0° -360° adjustable arc, 2.7-3.0 m radius, red |
| PRO-VAN12 | Series 12 nozzle, 0° -360° adjustable arc, 3.0-3.7 m radius, green |
| PRO-VAN15 | Series 15 nozzle, 0° -360° adjustable arc, 4.1-4.6 m radius, black |
| PRO-VAN17 | Series 17 nozzle, 0° -360° adjustable arc, 4.3-5.1 m radius, grey |

SPECIAL 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.

FEATURES

- Suitable for irregular configurations
 - SS = strip side
 - CS = centre of strip
 - ES = end of strip
- Filter included in the package
- Radius reduction up to 25%

SPECIFICATIONS

- Radius: 0.9 x 4.3 - 1.5 x 9.8 m
- Flow rate: 1.6 - 5.1 l / min
- Recommended operating pressure: 1.4 - 2.7 bar



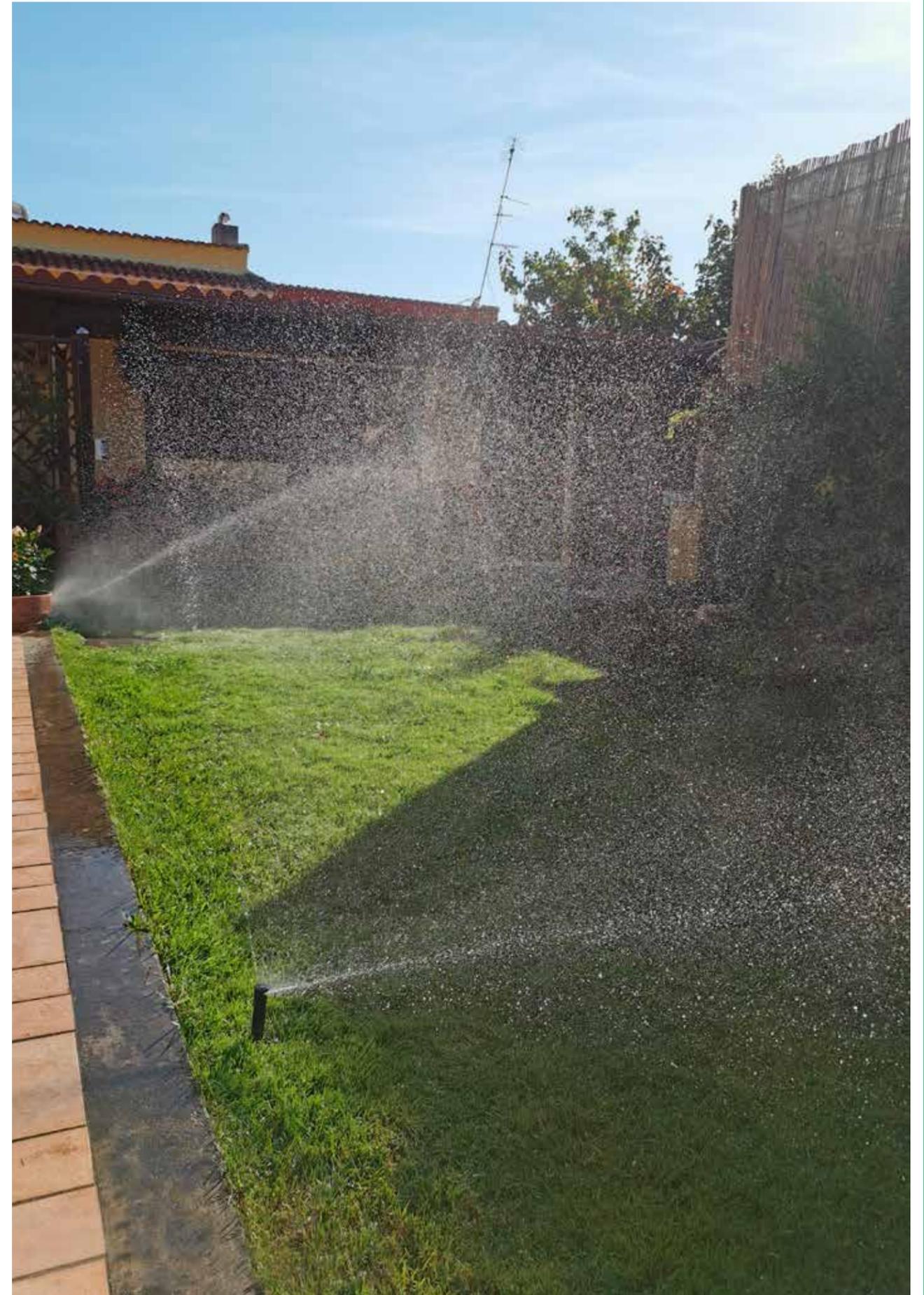
- Models: 9', 15'
- Female thread compatible with I-PRO and SL sprinklers
- Balanced precipitation rates with standard I-PRO nozzles

| Code | 9' nozzles | | | 15' nozzles | | |
|---------------|------------|-----------|-------|-------------|-----------|-------|
| | 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 shown in these tables represent the flow rate for each nozzle at each pressure point (full rotation operation)

Codification - SPECIAL NOZZLES

| Model | Description |
|-----------|---|
| IPN-9SST | Strip side - for 9" nozzle family |
| IPN-9CST | Centre of strip - for 9" nozzle family |
| IPN-9EST | End of strip - for 9" nozzle family |
| IPN-15SST | Strip side - for 15" nozzle family |
| IPN-15CST | Centre of strip - for 15" nozzle family |
| IPN-15EST | End of strip - for 15" nozzle family |



SPRINKLERS

Comparison table

| | 430R | 550R-SC | TITAN | PLATINUM | SIS120 | SGS103 | SPS178 | WT118 |
|--------------------------------------|----------|----------|----------|-----------|------------|------------|-----------|----------------------|
| Adjustable arc | 40°-360° | 40°-360° | 20°-340° | 45°-360° | 30°-330° | 30°-330° | 180° | tractor sprinkler |
| 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 | 33.0-40.0 |
| Flow rate (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 | 58.0-77.0 |
| Operating pressure (bar) | 2.0-3.5 | 1.7-4.5 | 2.0-3.5 | 2.8-6.9 | 3.0-8.0 | 3.5-7.0 | 4.0-8.0 | 4.0 |
| Shrub | | ✓ | | | | | | |
| High Pop | | ✓ | | | | | | |
| Applications: | | | | | | | | |
| <i>Small to medium sized gardens</i> | • | • | | | | | | |
| <i>Large gardens and parks</i> | | | • | • | | | | |
| <i>Sports fields</i> | | | | • | • | • | • | • |



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| PLATINUM | 64 |
| SIS120F AND SIS120P | 66 |
| SGS103 | 68 |
| SPS178 | 70 |
| WT118 | 72 |

430R

The 430R sprinkler has everything a 1/2" turbine can offer for irrigating small areas. Because the arc is easy to adjust and the right and left block are easy to check, the 430R is a sprinkler that can also be used by inexperienced persons.



- Inlet with 1/2" female thread
- Adjustable arc: 40° - 360°
- 5 interchangeable nozzles

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 rate: 2.8 - 12.5 l/min
- Operating pressure: 2.0 - 3.5 bar
- Overall height: 15 cm (turret retracted)
- Riser height: 10 cm
- Standard nozzle trajectory: 25°



FOCUS

NO SPECIAL TOOLS REQUIRED

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



PERFORMANCE

| Pressure (bar) | Nozzles | Radius (m) | Flow rate (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 with sprinklers arranged with a "square-shaped" layout
- ▲ Precipitation with sprinklers arranged with a "triangle-shaped" layout
- Distance between sprinklers corresponds to the radius

The data shown represent tests carried out in zero-wind conditions

Codification - 430R

| Model | Description |
|-------|---------------------------|
| 430R | 430R 1/2" rotor 40° -360° |

550R-SC

The Irritrol 550R-SC 3/4" sprinkler offers ease of use and operating reliability in one single device. Thanks to the innovative Slip Clutch system it is now possible to adjust the arc manually without using 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.

OPTIONS

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



Irritrol

I.S.E. S.r.l reserves the right to change the product specifications without prior notice and without incurring any penalties.



- Inlet with 3/4" female thread
- Adjustable arc: 40° - 360°
- 8 standard angle nozzles and 4 low angle nozzles

SPECIFICATIONS

- Radius: 7.6 – 15.2 m
- Flow rate: 2.8 - 36.7 l / min
- Operating pressure: 1.7 - 4.5 bar (3.0 bar recommended pressure)
- Overall height (retracted): 19 cm
- Riser height: 12.7 cm
- Standard nozzle trajectory: 25°
- Low angle nozzle trajectory: 12°
- Pre-assembled nozzle 3.0

FOCUS

180° Arc
(factory default setting)



Adjustable left edge

Adjustable right edge



Codification - 550R-SC

| Model | Description |
|------------|---|
| 550R-SC | 550R (3/4") turbine sprinkler, 40° -360°, 12.7 cm spray angle, with slip-clutch |
| 550R-SS-SC | 550R (3/4") turbine sprinkler with Slip Clutch, 40° -360°, 12.7 cm spray angle, with stainless steel turret |
| 550RHP | 550R SC High Pop turbine sprinkler: 30 cm spray angle |
| 550RS | Shrub - Adapter for 550R SC |



PERFORMANCE

550R-SC - Standard 25° angle trajectory

| Pressure (bar) | Nozzles | Radius (m) | Flow rate (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 - Low 12° angle trajectory

| Pressure (bar) | Nozzles | Radius (m) | Flow rate (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 with sprinklers arranged with a "square-shaped" layout
- ▲ Precipitation with sprinklers arranged with a "triangle-shaped" layout
- Distance between sprinklers corresponds to the radius

The data shown represent tests carried out in zero-wind conditions

Irritrol

TITAN

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



- Base connection 3/4" female and 1/2" female side ways
- Adjustable arc setting: 20° - 340°
- 5 interchangeable nozzles (1 pre-installed)

FEATURES

- Pressure-activated seal
- Positive left and right stops reduce set-up time by allowing you to quickly 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

SPECIFICATIONS

- Radius: 9.7 – 13.8 m
- Flow rate: 5.7 - 28.7 l/min
- Operating pressure: 2.0 - 3.5 bar
- Diameter: 12.7 cm
- Overall height: 23.6 cm
- 11.0 l/min pre-assembled nozzle (black)



FOCUS

WATER LEAKAGE PREVENTION

Pre-calibrated arm for flow control and prevention of lateral water leaks

EASY INSTALLATION

Upper body edge designed to facilitate installation in the ground at the right depth while also preventing the intrusion of debris

REINFORCED CONTAINER

Durable container with side ribs that ensure a long life



PERFORMANCE

| Pressure (bar) | Radius (m) | Flow rate (l/min) | Nozzles colour code | Coverage |
|----------------|------------|-------------------|---------------------|----------|
| 2.0 | 9.7 | 5.7 | Orange | 90° |
| | 10.0 | 7.6 | Rouge | 120° |
| | 10.6 | 11.0 | Noir | 180° |
| | 11.6 | 14.4 | Bleu | 270° |
| | 11.9 | 21.9 | Vert | 360° |
| 2.5 | 10.3 | 6.4 | Orange | 90° |
| | 10.8 | 8.0 | Rouge | 120° |
| | 11.4 | 12.6 | Noir | 180° |
| | 12.2 | 15.3 | Bleu | 270° |
| | 12.6 | 23.6 | Vert | 360° |
| 3.0 | 10.8 | 7.5 | Orange | 90° |
| | 11.6 | 8.7 | Rouge | 120° |
| | 12.1 | 14.2 | Noir | 180° |
| | 12.6 | 17.1 | Bleu | 270° |
| | 13.3 | 25.9 | Vert | 360° |
| 3.5 | 11.0 | 8.8 | Orange | 90° |
| | 12.3 | 9.5 | Rouge | 120° |
| | 12.5 | 15.3 | Noir | 180° |
| | 12.8 | 19.6 | Bleu | 270° |
| | 13.8 | 28.7 | Vert | 360° |

The data shown represent tests carried out in zero-wind conditions

Codification - TITAN

| Model | Description |
|-------|------------------------------|
| TITAN | Titan impact rotor 20° -340° |

PLATINUM

The Platinum 1" sprinkler is ideal for sports fields and medium-sized parks. All the adjustments can be made on the upper part of the turbine, and what's more, the permanent arc memory guarantees regular operation even when tampered with.



- Inlet with 1" female thread
- Adjustable arc: 45° - 360°
- 7 interchangeable nozzles

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
- View 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

SPECIFICATIONS

- Radius: 14.9 – 24.1 m
- Flow rate: 27.9 - 115.9 l/min
- Operating pressure: 2.8 - 6.9 bar (4.8 bar recommended pressure)
- Cover diameter: 5.6 cm
- Body diameter: 6.9 cm
- Riser height: 12.7 cm
- Body height: 22.4 cm
- Nozzle trajectory: 25°
- Pre-assembled nozzle n. 12
- Arc set at 180°

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



FOCUS

EASY ARC ADJUSTMENT

Easily accessible indicator placed in the head



PERFORMANCE

| Pressure (bar) | Nozzles | Radius (m) | Flow rate (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 |
| 4.1 | 24 | 18.3 | 66.2 | 11.88 | 13.72 |
| | 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 |
| 4.8 | 16 | 18.0 | 61.4 | 11.40 | 13.17 |
| | 20 | 18.6 | 73.9 | 12.82 | 14.80 |
| | 24 | 19.2 | 73.2 | 11.92 | 13.76 |
| | 27 | 22.3 | 89.2 | 10.81 | 12.48 |
| | 5.5 | 7 | 15.5 | 33.2 | 8.25 |
| 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 |
| 20 | | 18.6 | 78.1 | 13.56 | 15.65 |
| 6.2 | 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 |
| 6.9 | 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 |
| | 7.6 | 7 | 16.2 | 38.8 | 8.93 |
| 9 | | 16.8 | 41.3 | 8.81 | 10.18 |
| 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 |
| 8.3 | 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 |
| | 9 | 17.1 | 43.6 | 8.98 | 10.37 |
| | 12 | 17.4 | 62.5 | 12.42 | 14.34 |
| 9.0 | 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 with sprinklers arranged with a "square-shaped" layout
- ▲ Precipitation with sprinklers arranged with a "triangle-shaped" layout
- Distance between sprinklers corresponds to the radius

The data shown represent tests carried out in zero-wind conditions

Codification - PLATINUM

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

SIS 120F AND SIS 120P

The SIS series impact sprinklers are intended for use on sports grounds and in parks and also allow inserting natural grass in the turf cup.

FEATURES

- High rotation speed <1 min/360°
- High stability of the jet even in the presence of wind
- 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

In the 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

- One-click removable cover for faster and easier maintenance
- The new stainless steel piston improves operation efficiency
- Manual control can be performed from the top of the sprinkler (ON-OFF-AUTO)
- Excellent distribution accuracy confirmed by CIT

SPECIFICATIONS

- Radius: 19.0 – 36.8 m
- Flow rate: 4.6 - 28.6 m³/h
- Operating pressure: 3.0 - 8.0 bar
- Trajectory: 22°



- Inlet with 1 1/2" female thread
- 2 models:
 - SIS120F: 360° Full circle
 - SIS120P: 30° - 330° Part circle
 - Nozzle range: 7 – 17.5 mm

FOCUS

HIGH QUALITY MATERIALS

Stainless steel piston to ensure greater wear resistance and better operating efficiency



PERFORMANCE

Part circle

| 2 SIS120P Nozzles | 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 | | 16 mm Nozzle | | 17.5 mm Nozzle | |
|--------------------|-------------|------|-------------|------|---------------|------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|----------------|------|
| 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 | m³/h | m |
| 4.0 bar | 5.2 | 19.5 | 6.5 | 20.5 | 7.8 | 21.2 | 9.0 | 21.9 | 10.2 | 22.5 | 11.5 | 24.0 | 12.9 | 25.0 | 14.6 | 26.0 | 16.3 | 27.0 | 17.0 | 27.3 | 19.6 | 27.7 |
| 5.0 bar | 5.8 | 20.6 | 7.2 | 21.5 | 8.7 | 22.4 | 10.0 | 23.3 | 11.3 | 24.2 | 12.8 | 26.0 | 14.4 | 27.5 | 16.3 | 29.0 | 18.1 | 30.0 | 19.0 | 30.3 | 21.8 | 30.6 |
| 6.0 bar | 6.4 | 21.4 | 7.9 | 22.5 | 9.5 | 23.6 | 11.0 | 25.0 | 12.4 | 25.8 | 14.0 | 27.2 | 15.7 | 29.0 | 17.8 | 30.5 | 19.8 | 31.7 | 20.8 | 32.6 | 23.9 | 33.3 |
| 7.0 bar | 6.8 | 21.9 | 8.5 | 23.3 | 9.2 | 24.7 | 11.8 | 26.5 | 13.3 | 27.2 | 15.1 | 28.4 | 16.9 | 30.5 | 19.2 | 32.0 | 21.4 | 33.0 | 22.4 | 34.0 | 25.8 | 35.5 |
| 8.0 bar | 7.3 | 22.3 | 9.1 | 24.0 | 10.9 | 25.7 | 12.6 | 27.9 | 14.2 | 28.4 | 16.1 | 29.7 | 18.9 | 32.0 | 20.5 | 33.5 | 22.9 | 34.2 | 24.0 | 35.5 | 27.5 | 36.8 |

Full Circle Model

| 3 SIS120P Nozzles | 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 | | 16 mm Nozzle | | 17.5 mm Nozzle | |
|--------------------|-------------|------|-------------|------|-------------|------|--------------|------|--------------|------|--------------|------|----------------|------|--------------|------|--------------|------|--------------|------|----------------|------|
| 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 | m³/h | m |
| 4.0 bar | 6.3 | 19.5 | 7.6 | 20.5 | 8.9 | 21.2 | 10.1 | 21.9 | 11.3 | 22.5 | 12.6 | 24.0 | 14.0 | 25.0 | 15.7 | 26.0 | 17.4 | 27.0 | 18.1 | 27.3 | 20.7 | 27.7 |
| 5.0 bar | 7.1 | 20.6 | 8.5 | 21.5 | 10.0 | 22.4 | 11.3 | 23.3 | 12.6 | 24.2 | 14.1 | 26.0 | 15.7 | 27.5 | 17.6 | 29.0 | 19.4 | 30.0 | 20.3 | 30.3 | 23.1 | 30.6 |
| 6.0 bar | 7.9 | 21.4 | 9.4 | 22.5 | 11.0 | 23.6 | 12.5 | 25.0 | 13.9 | 25.8 | 15.5 | 27.2 | 17.2 | 29.0 | 19.3 | 30.5 | 21.3 | 31.7 | 22.3 | 32.6 | 25.4 | 33.3 |
| 7.0 bar | 8.3 | 21.9 | 10.1 | 23.3 | 11.8 | 24.7 | 13.4 | 26.5 | 14.9 | 27.2 | 16.7 | 28.4 | 18.5 | 30.5 | 20.8 | 32.0 | 23.0 | 33.0 | 24.0 | 34.0 | 27.4 | 35.5 |
| 8.0 bar | 9.0 | 22.3 | 10.8 | 24.0 | 12.7 | 25.7 | 14.3 | 27.9 | 16.0 | 28.4 | 17.8 | 29.7 | 19.8 | 32.0 | 22.2 | 33.5 | 24.6 | 34.2 | 25.7 | 35.5 | 28.6 | 36.8 |

* Standard nozzle

The radius derives from tests in real outdoor conditions, with rotary sprinkler installed at ground level (model without valve)

DIMENSIONS

| SPRINKLER MODEL | 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 lid | 181 mm | 181 mm | 223 mm | 223 mm |

Codification - SIS120 SERIES

| Model | Description |
|------------|---|
| SIS120-F | SIS120 1-1/2" F Impact sprinkler, 360° with turf cup |
| SIS120-FV | SIS120 1-1/2" F Impact sprinkler, 360° with turf cup and built-in solenoid valve |
| SIS120-P | SIS120 1-1/2" Impact sprinkler, 30° -330° 9mm nozzle |
| SIS120-PV | SIS120 1-1/2" Impact sprinkler, 30° -330° with built-in solenoid valve, 9mm nozzle |
| SIS120-PG | SIS120 1-1/2" F Impact sprinkler, 30° -330° 9mm nozzle with artificial turf |
| SIS120-PGV | SIS120 1-1/2" F Impact sprinkler, 30° -330° 9mm nozzle with built-in solenoid valve and artificial turf |

SGS103

The SGS103 turbine is intended for use on sports fields. Its manual control and pressure adjustment are easy and fast thanks to the controls and the dial being positioned on top of the sprinkler.



FEATURES

- High rotation speed 60-140 sec/180°
- Adjustment can only take place when the sprinkler is not running
- All installation and maintenance operations can be performed directly from the top of the sprinkler
- Central flow system reduces hydraulic friction and improves performance efficiency
- Manual control and pressure adjustment can be performed from the top of the sprinkler (ON-OFF-AUTO)
- Externally replaceable nozzles
- The cover and top of the adjustable sector sprinkler are covered with artificial turf and the full circle sprinkler has a rubber turf cup

- Inlet with 1 1/2" female thread in brass
- Adjustable arc: 30° - 330°
- Nozzle range: 7 - 11 mm

SPECIFICATIONS

- Radius: 20.0 – 29.0 m
- Flow rate: 4.2 - 12.8 m³/h
- Operating pressure: 3.5 - 7.0 bar
- Trajectory: 25°

ADDITIONAL FEATURES

- Easy removal of the cover thanks to the new round shape which adapts perfectly to the body of the sprinkler
- Screw-on turbine filter which prevents the nozzle from loosening caused by strong pressure changes
- Self-cleaning technology that ensures correct operation of the sprinkler during the turret lifting and re-entry phase
- Inside the sprinkler there are high-strength ball bearings



FOCUS

EASY SECTOR ADJUSTMENT

The left stop (+/-90°) and the right stop (30-330°) can be set to adjust the sector



PERFORMANCE

| SGS103 3 Nozzles | 7 mm Nozzle | | 8 mm Nozzle | | 9 mm Nozzle | | 10 mm Nozzle * | | 11 mm Nozzle | |
|---------------------|-------------|------|-------------|------|-------------|------|----------------|------|--------------|------|
| | m³/h | m | m³/h | m | m³/h | m | m³/h | m | m³/h | m |
| 4.0 bar | 4.2 | 20.0 | 5.4 | 21.0 | 6.3 | 22.0 | 7.5 | 23.0 | 8.6 | 24.0 |
| 5.0 bar | 4.8 | 22.0 | 6.0 | 23.0 | 7.1 | 24.0 | 8.4 | 25.0 | 9.7 | 26.0 |
| 6.0 bar | 5.2 | 24.0 | 6.5 | 25.0 | 7.8 | 26.0 | 9.2 | 27.0 | 10.6 | 28.0 |
| 7.0 bar | 5.6 | 25.0 | 7.0 | 26.0 | 8.5 | 27.0 | 10.0 | 28.0 | 11.4 | 29.0 |

| SGS103-PZ 4 Nozzles | 7 mm Nozzle | | 8 mm Nozzle | | 9 mm Nozzle | | 10 mm Nozzle | | 11 mm Nozzle | |
|------------------------|-------------|------|-------------|------|-------------|------|--------------|------|--------------|------|
| | m³/h | m | m³/h | m | m³/h | m | m³/h | m | m³/h | m |
| 4.0 bar | 5.4 | 20.0 | 6.5 | 21.0 | 7.4 | 22.0 | 8.6 | 23.0 | 9.7 | 24.0 |
| 5.0 bar | 6.1 | 22.0 | 7.3 | 23.0 | 8.4 | 24.0 | 9.6 | 25.0 | 10.9 | 26.0 |
| 6.0 bar | 6.7 | 24.0 | 7.9 | 25.0 | 9.2 | 26.0 | 10.6 | 27.0 | 11.9 | 28.0 |
| 7.0 bar | 7.2 | 25.0 | 8.5 | 26.0 | 9.9 | 27.0 | 11.5 | 28.0 | 12.8 | 29.0 |

* Standard nozzle

The radius derives from tests in real outdoor conditions, with rotary sprinkler installed at ground level (model without valve)

DIMENSIONS

| | SGS103 | SGS103-PZ |
|---------------------|--------|------------------------|
| Installation height | 350 mm | 427 mm |
| Rising height | 80 mm | 126 mm |
| Outer Ø housing | 172 mm | 116 mm (65 mm exposed) |
| Outer Ø lid | 65 mm | 65 mm |

Codification - SGS103 series

| Model | Description |
|-----------|--|
| SGS103-PZ | SGS103 1 1/2" F, 360° turbine sprinkler, with turf cup, 10mm nozzle |
| SGS103 | SGS103 1 1/2" F, 30-330° turbine sprinkler, 10mm nozzle, with built-in valve and artificial turf |

SPS178

The SPS178 pop-up sprinkler is the most powerful sprinkler in the Irritrol range. Intended for soccer fields with artificial turf and all large sports facilities, it must be installed outside the playing area without the need for other sprinklers inside. In fact, it ensures a uniform coverage of the field thanks to the wide trajectory range up to 54 metres which, together with the reduced water flow it requires, ensures it is unique.



- Inlet with 2" female thread in brass
- Full circle and adjustable arc
- Nozzle range: 16 - 24 mm

FEATURES

- 180° Rotation speed: adjustable from 50 to 120 seconds
- New technology nozzles to obtain excellent uniformity and reduced water consumption even with radiuses greater than 50 m
- Piston motor technology for precise irrigation
- Valve in head for individual control and reduction of costs and installation time. Flow-optimised valve with low pressure drop
- Slow closing of the valve to avoid water hammering
- All installation and maintenance operations can be performed directly from the top of the sprinkler
- Lid with bowl for synthetic lawn

SPECIFICATIONS

- Radius: 34.0 – 54.0 m
- Flow rate: 26.0 - 69.0 m³/h
- Operating pressure: 4.0 - 8.0 bar
- Trajectory: 25°
- 24 VAC-50 Hz solenoid:
 - Surge current absorption 0.34A
 - Standard absorption 0.20A



FOCUS

GREATER EMISSION UNIFORMITY

Presence of a side nozzle and of 3 other smaller nozzles to irrigate the area around the sprinkler



PERFORMANCE

| Operating pressure | 16 mm Nozzle | | 20 mm Nozzle * | | 24 mm Nozzle | |
|--------------------|-------------------|------|-------------------|------|-------------------|------|
| | m ³ /h | m | m ³ /h | m | m ³ /h | m |
| 4.0 bar | 25.9 | 34.0 | 36.1 | 40.0 | 48.7 | 42.0 |
| 5.0 bar | 29.0 | 37.0 | 40.4 | 42.0 | 54.4 | 44.0 |
| 6.0 bar | 31.7 | 40.0 | 44.3 | 45.0 | 59.6 | 49.0 |
| 7.0 bar | 34.3 | 42.0 | 47.9 | 48.0 | 64.4 | 52.0 |
| 8.0 bar | 36.7 | 44.0 | 51.2 | 50.0 | 68.9 | 54.0 |

* Standard nozzle
The radius derives from tests in real outdoor conditions, with rotary sprinkler installed at ground level

DIMENSIONS

| | |
|---------------------|--------|
| Installation height | 720 mm |
| Rising height | 120 mm |
| Outer Ø housing | 350 mm |
| Outer Ø lid | 267 mm |

ADDITIONAL FEATURES

- Filter built-in the body (50 Micron) for the control water
- Inside the sprinkler there are high-strength ball bearings
- Self-draining system when the connection hose is pressureless

Codification - SPS178 SERIES

| Model | Description |
|------------|--|
| SPS178 | SPS178 2" F BSP Turbine sprinkler, 30°-360° adjustable with built-in valve and turf cup, 20mm nozzle |
| SPS178-SPZ | SPS178 2" F BSP Turbine sprinkler, 30°-360° with built-in valve, 20mm nozzle |

WT118

WT118 is a tractor sprinkler that irrigates on its own and for this reason is ideal for irrigating large green areas and sports grounds but also nurseries and gardens. Thanks to its compact design and to the little maintenance it requires, the Irritrol travelling sprinkler is an innovative easy-to-use product.



- Possibility of defining the path to follow
- Adjustable sector or full circle irrigation
- Materials: Aluminium, brass, high-strength plastic

FEATURES

- Forward speed: 10 – 20 m/h
- Possibility of defining the area to be irrigated
- Adjustable water flow for better adaptation to different applications
- Water distribution is uniform thanks to the accuracy of the sprinkler located on the machine and to the latter's constant speed
- The gears have a very low friction factor and are therefore maintenance-free
- Backward movement that allows the machine to move on the part of the lawn that is dry and still needs to be irrigated

OPERATION

Through a hose connected to a fixed hydrant, the water reaches the sprinkler which, moving slowly along a nylon cable, irrigates the lawn following a predetermined path. Once it has reached the end of the cable and has therefore irrigated the entire designated area, the WT118 automatically interrupts the flow of water and stops.



SPECIFICATIONS

- Irrigated area width: 28.0 – 36.0 m
- Irrigated area length: 120 m
- Flow rate: 3.5-4.6m³/h (58.0-77.0 l / min)
- Minimum operating pressure: 4 bar (measured at the sprinkler inlet)
- Total weight: 27Kg
- Overall dimensions: 77x47x40 cm
- Feed hose not included with sprinkler:
 - Inner diameter 25 mm
 - Length: 60 – 100 m

FOCUS

PREDETERMINED IRRIGATION AREA

Possibility of defining the path to follow thanks to the nylon cable



PERFORMANCE

| OPERATING PRESSURE | 4.0 bar | | 5.0 bar | | 6.0 bar | | 7.0 bar | |
|--------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|------|
| | m ³ /h | m |
| 20 MM | | | | | | | | |
| 7 mm | 3.49 | 18.8 | 4.09 | 19.8 | 4.44 | 20.8 | 4.61 | 21.8 |

| NOZZLE | Operating pressure (bar) | Speed (m/h) | Flow rate (m ³ /h) |
|--------|--------------------------|-------------|-------------------------------|
| 7 mm | 4.0 | 10 | 3.2 |
| | 5.0 | ↕ | ↕ |
| | 6.0 | | |
| | 7.0 | 22 | 4.2 |

Codification - WT118

| Model | Description |
|-------|----------------------|
| WT118 | Travelling sprinkler |

ACCESSORIES



ACCESSORIES

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HERCULES VALVE BOXES

Hercules is the range of Irritrol valve boxes designed to blend maximum protection of underground systems (valves and related instruments) with ease of use as they easily adapt to new or existing systems.



- Resistance
- Versatility
- Range in line with the EN124 standard, designed to withstand loads up to 1.5 tons

FEATURES

Round Models

- **Cover:**
 - Comfortable 2-finger grip, indicating the closing direction
 - Quick bayonet locking system, with optional screw protection
 - Round edge to cover the body, facilitated positioning and protection from the entry of water or soil
 - Non-slip surface
 - Shade of green to match the turf
- **Body:**
 - Conical profile, for guaranteed stability in the ground
 - Walls with reinforced thicknesses, against structural cave-ins
 - Ready-to-use and easily expandable hose passages

Rectangular models

- **Cover:**
 - Convenient opening with hand guide
 - Edge to cover the body, facilitated positioning and protection from the entry of water or soil
 - Optional screw tightening system
 - Non-slip surface
 - Shade of green to match the turf
- **Body:**
 - Inclined and shaped profile, for guaranteed stability in the ground
 - Innovative design for quick and safe drilling on site, without the need for electricity
 - Reinforced corners against structural cave-ins

Codification

BASIC MODELS WITHOUT HOLES

| Model | Description |
|---------|---|
| EU-HCS | Small round valve box with cover |
| EU-HCM | Medium round valve box with cover |
| EU-HRS | Standard rectangular valve box with cover without holes |
| EU-HRJ | Jumbo rectangular valve box with cover without holes |
| EU-HCSL | Small round valve box cover |
| EU-HCML | Medium round valve box cover |
| EU-HRSL | Standard rectangular valve box cover without holes |
| EU-HRJL | Jumbo rectangular cover |

Optional tightening after manual drilling and locking kit available separately EU-HCK

MODELS WITH ONE HOLE - Locking kit not included EU-HRK

| Model | Description |
|----------|---|
| EU-HRSO | Standard rectangular valve box with cover with one hole |
| EU-HRJO | Jumbo rectangular valve box with cover with one hole |
| EU-HRSLO | Standard rectangular valve box cover with one hole |
| EU-HRJLO | Jumbo rectangular valve box cover with one hole |

MODELS WITH MULTIPLE HOLES - (tightening hole and ventilation holes) Locking kit not included EU-HRK

| Model | Description |
|----------|---|
| EU-HRSM | Standard rectangular valve box with cover with multiple holes |
| EU-HRJM | Jumbo rectangular valve box with cover with multiple holes |
| EU-HRSLM | Standard rectangular valve box cover with multiple holes |
| EU-HRJLM | Jumbo rectangular valve box cover with multiple holes |

ACCESSORIES

| Model | Description |
|--------|---|
| EU-HCK | Locking kit for round models (M5x35 screw + M5x8 hexagonal nut) |
| EU-HRK | Locking kit for rectangular models (M6x25 hexagonal bolt + M6 G 24x16x11 plate) |
| EU-HRC | Cable support for rectangular models |

LOADS UP TO 1.5 TONS



ROUND MODEL MEASUREMENTS

The measurements are given in cm.

SMALL ROUND



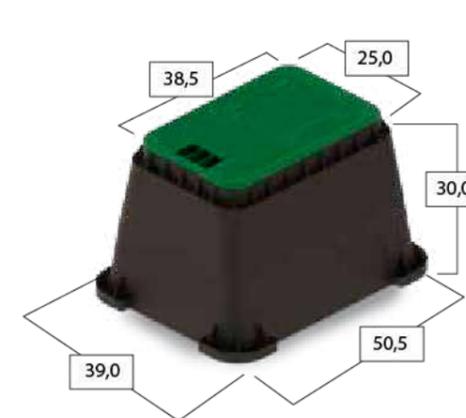
MEDIUM ROUND



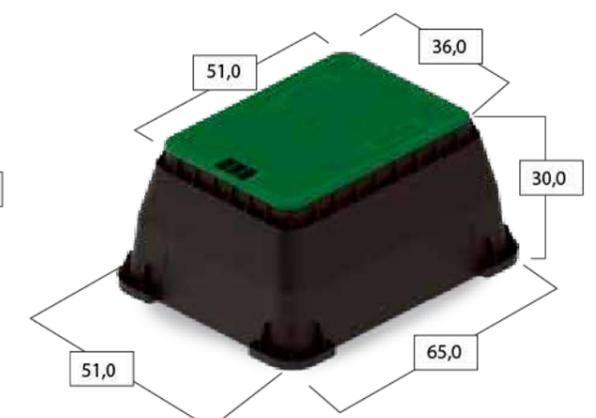
RECTANGULAR MODEL MEASUREMENTS

The measurements are given in cm.

STANDARD RECTANGULAR



JUMBO RECTANGULAR



Customisable covers, contact for details

Patented design: UAMI no. 002417675

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



COMPONENTS

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:

- It 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
- It modifies the water budget data of the controller
- It connects to the controller 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

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 (including the old model)
 - Total Control (including the old model)
 - MC-E
- Automatic identification of the receiver module with the controller used

ELECTRICAL SPECIFICATIONS

- Weather transmitter:
 - 9V battery (lifetime 5 years)
 - Sustainable temperature between -10° and +60°C
- Receiver module:
 - Power supply from the controller
 - Same model for both indoor and outdoor use

OPTIONS

- Kit for Climate Logic to be used to operate the controller in manual mode (maximum distance 300 metres)



REMOTE CONTROL KIT



Codification - CLIMATE LOGIC

| Model | Description |
|--------------|--|
| CL-100W-EU | Climate Logic system, weather transmitter, receiver module and adapter cable |
| R-100-KIT-EU | Remote Control Kit - Remote control, mini receiver and adapter cable |

RAIN SENSORS

RS500 – Wired model



- Irrigation cut-off set point is adjustable from 3-25mm of precipitation accumulation
- Potentially compatible with all AC powered controllers
- 7.6 m cable (white, anti-UV, UL certified) for greater installation flexibility

RS1000-I Wireless model



- Irrigation cut-off set point is adjustable from 3-25mm of precipitation accumulation
- Compatible with all controllers
- Indicator that certifies correct communication and signal integrity
- The transmission range of up to 91.4m offers virtually limitless installation options
- Easy and versatile assembly of the sensor's single body which does not require special tools
- Status indicator
- Smart Bypass™ system that allows the sensor to reactivate automatically
- Interlocking cover that protects the receiver
- 5-year battery life

OPERATIONAL SPECIFICATIONS

- Type of sensor: standard-industrial with hygroscopic discs
- Operating temperature: from -29°C to +49°C
- Material: anti-UV polymer
- Features for wireless sensors:
 - Transmission range: up to 91.4m
 - Battery: 2 CR2032 3V cell

Sensor settings

| | |
|------|--------------------------|
| 1/8" | Precipitation min. 3 mm |
| 1/4" | Precipitation min. 6 mm |
| 1/2" | Precipitation min. 13 mm |
| 3/4" | Precipitation min. 19 mm |
| 1" | Precipitation min. 25 mm |

ELECTRICAL SPECIFICATIONS

- Receiver power supply: 22-28VAC, 100mA
- Normally open or normally closed (3A @ 24VCA)
- UL certification

Codification - RAIN SENSORS

| Model | Description |
|----------|---|
| RS500 | Irritrol wired rain sensor (length 7.6 m) |
| RS1000-I | Irritrol wireless rain sensor |

PRESSURE REGULATORS



FEATURES

- Ideal for areas where irrigation pressure is low and where there is a variation in pressure along the line
- The piston-valve assembly is built in DuPont Zytel for increased durability and consistent operation
- ABS body, ultrasonic welding of component parts
- Silicone O-ring seal to ensure lower pressure drop
- Spring in stainless steel

SPECIFICATIONS

- Thread: 3/4" male and female
- 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 | 1.74 |
| 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 - PRESSURE REGULATOR

| Model | Description |
|---------------|--|
| IT-VRR2020151 | 3/4" pre-calibrated pressure regulator, model 15 |
| IT-VRR2020191 | 3/4" pre-calibrated pressure regulator, model 19 |
| IT-VRR2020251 | 3/4" pre-calibrated pressure regulator, model 25 |

LASCO PVC MANIFOLDS



FEATURES

- Faster assembly of valves in groups without the use of Teflon
- Sliding "valve connection" without the need to add new parts
- Finish with O-ring that ensures no dripping
- Cannot be used in piping systems with compressed air or gas

SPECIFICATIONS

- Thread: 1"
- Operating pressure: 10.0 bar

Codification - LASCO PVC MANIFOLDS FOR VALVES WITH FEMALE THREAD

| Model | Description |
|----------|---|
| 1301-010 | 1" Tee Lasco manifold - Ring nut + valve connection + male thread |
| 1301-210 | 1" Double Tee Lasco Manifold - Ring nut + two valve connections + male thread |
| 1301-310 | 1" Triple Tee Lasco Manifold - Ring nut + three valve connections + male thread |
| 1301-410 | 1" Quadruple Tee Lasco manifold - Ring nut + four valve connections + male thread |
| 1303-010 | 1" Tee Lasco Manifold - Ring nut + two valve connections + male thread |
| 1306-010 | Elbow Lasco Manifold from 1" - Male thread + valve connection |
| 1312-010 | 1" Elbow Lasco Manifold - Ring nut + valve connection + male thread |
| 1320-010 | 1" Cross Lasco Manifold - Ring nut + two valve connections + male thread |

LASCO PVC MANIFOLDS



WARNINGS

- Modifying these products voids the 2-year warranty
- Do not use products harmful to PVC

Codification - LASCO PVC MANIFOLDS FOR VALVES WITH MALE THREAD

| Model | Description |
|----------|---|
| 1201-010 | 1" Tee Lasco manifold - Ring nut + valve connection + female thread |
| 1201-210 | 1" Double Tee Lasco Manifold - Ring nut + two valve connections + female thread |
| 1201-310 | 1" Triple Tee Lasco Manifold - Ring nut + three valve connections + female thread |
| 1201-410 | 1" Quadruple Tee Lasco manifold - Ring nut + four valve connections + female thread |
| 1203-010 | 1" Tee Lasco Manifold - Ring nut + two valve connections + female thread |
| 1206-010 | 1" Elbow Lasco Manifold - Female thread + valve connection + female thread |
| 1212-010 | 1" Elbow Lasco Manifold - Ring nut + valve connection + female thread |
| 1220-010 | 1" Cross Lasco Manifold - Ring nut + two valve connections + female thread |
| 1239-131 | 1" Male x 3/4" Female Lasco adapter |
| 1282-010 | 1" Male x 1" Male Lasco adapter |
| 1282-131 | 1" Male x 3/4" Male Lasco adapter |

BLUE TWISTER MANIFOLDS



3100-005



3101-004



3300-005
3300-007



3201-004



3302-005



3400-005
3400-007

FEATURES

- Double helix self-tapping connection
- Quick and easy installation; just rotate the fitting until the double helix is completely covered
- No need to use tools
- Material: Blue acetal resin

SPECIFICATIONS

- Thread: 1/2" and 3/4"
- Use with Super Blue Flex Hose or other PE hoses with 12.5mm ID and 2.4mm thickness
- Maximum operating pressure: 7.0 bar

Codification - BLUE TWISTER MANIFOLDS

| Model | Description |
|----------|--|
| 3100-005 | 1/2" Tee Lasco Blue Twister Manifold + two male double helix couplings |
| 3101-004 | 1/2" Tee Lasco Blue Twister Manifold + three male double helix couplings |
| 3300-005 | 1/2" male Elbow Lasco Blue Twister Manifold + one male double helix connection |
| 3300-007 | 3/4" male Elbow Lasco Blue Twister Manifold + one male double helix connection |
| 3302-005 | 1/2" female Elbow Lasco Blue Twister Manifold + one male double helix connection |
| 3201-004 | 1/2" male Lasco Blue Twister Manifold + two male double helix connection |
| 3400-005 | 1/2" male Lasco Blue Twister Manifold + one male double helix connection |
| 3400-007 | 3/4" male Lasco Blue Twister Manifold + one male double helix connection |

SWIVEL FITTINGS



IT-FPT9224



IT-FPT9260



IT-FPE9218



IT-FPE9220



IT-FPC9232
IT-FPC9265



IT-FPN9270

FEATURES

- Quick assembly of the valves thanks to the swivel joints
- Tee and Elbow models
- Material: polypropylene

SPECIFICATIONS

- Thread: 1"

Codification - NUT FITTINGS

| Model | Description |
|--------------|---|
| IT-FPT9260 | 1"Mx1"Gx1"G Modular Tee fitting with O-ring |
| IT-FPT9224 | 1"Gx1"Gx1"G Modular Tee fitting with O-ring |
| IT-FPC9232 | ø32mmx1"G Modular compression fitting (female thread) |
| IT-FPC9265 | Ø25mmx1"G Modular compression fitting (female thread) |
| IT-FPE9218 | 90° 1"Gx1"G Elbow |
| IT-FPE9220 | 90° 1"Mx1"G Elbow |
| IT-FPN9270 | 1"Mx1"M nipple with O-ring |
| MA8306-131BT | 1" M by 3/4" M nipple with PVC O-ring |

MODULAR MANIFOLD

FEATURES

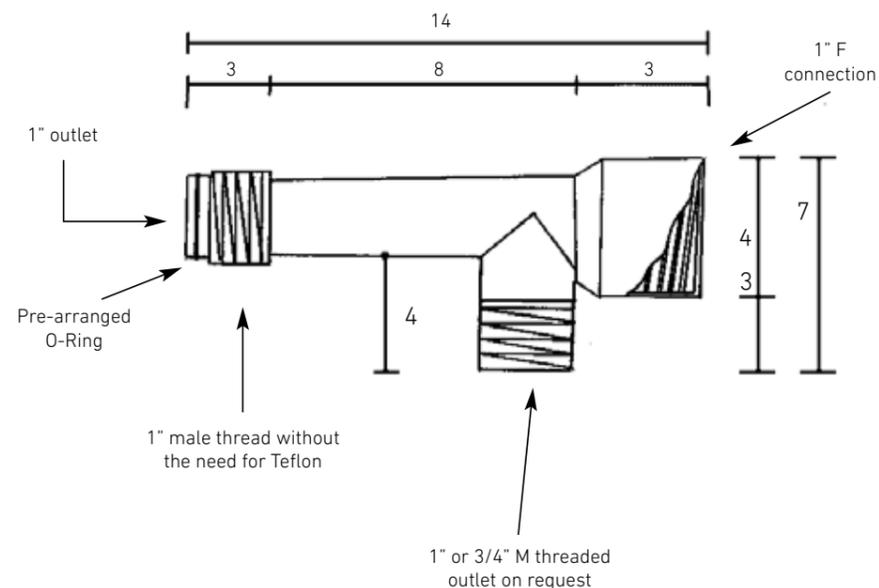
- Quick assembly of valves in groups without the use of Teflon or adhesives
- Seal O-ring that allows the valves to rotate on their axis without leaks
- It simplifies plant maintenance



SPECIFICATIONS

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

MANIFOLD DIMENSIONS (out of scale drawing - measurements in cm.)



Codification - MODULAR MANIFOLDS

| Model | Description |
|-------------|---------------------------------------|
| EU-FMV020-1 | 1" F x 3/4" M x 1" M modular manifold |
| EU-FMV025-1 | 1" F x 1" M x 1" M modular manifold |

SUPER BLUE FLEX HOSE

FEATURES

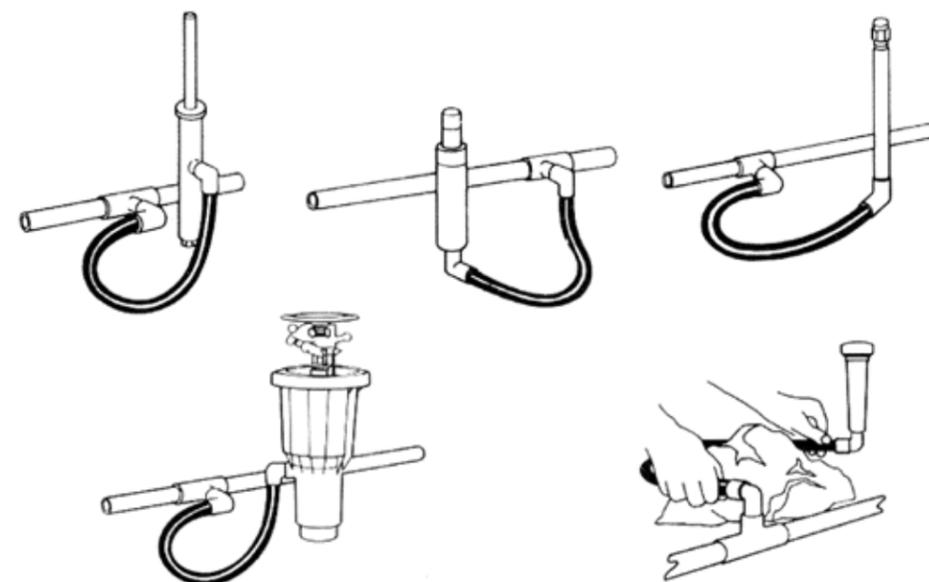
- Very low density polyethylene material
- High flexibility
- Reels easily unrolled from the centre (inside reel)
- Compatible with all Toro, Rain Bird, Olson EZ-Ell and Dura fittings



SPECIFICATIONS

- Reel length: 30 metres
- Inner diameter 12.5 mm
- Minimum wall thickness: 2.4 mm
- Maximum operating pressure: 5.5 bar at 35°C

EXAMPLES OF INSTALLATION



Codification - SUPER BLUE FLEX HOSE

| Model | Description |
|-------------|--|
| EHR1295-010 | Super Blue Flex Hose 30m flexible Reel |

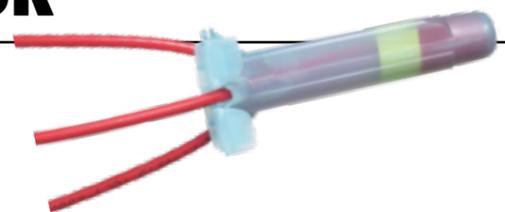
WATERPROOF CONNECTOR

FEATURES

- Sturdy connector designed for fast and reliable connections in damp environments or for direct underground positioning
- Suitable for solenoid and decoder connections
- The insulating gel does not harden and this allows the watertight connection to be disassembled without having to cut the cables

CONDITIONS OF USE:

- Working temperature range: from 0 to 40°C
- Maximum storage temperature: 49°C



| Connection Combinations | | | |
|-------------------------|--------------------------|--------------------------------|-----------|
| Cross Section Capacity | 2.0 - 16 mm ² | | |
| Connector Combination | Quantity | Measurement (mm ²) | Type |
| | 5-7 | 0.5 | sol / str |
| | 3-7 | 0.75 | sol / str |
| | 2-8 | 1.0 | sol / str |
| | 2-7 | 1.5 | sol / str |
| | 2-5 | 2.5 | sol / str |
| | 2-4 | 4.0 | sol / str |
| | 2 | 6.0 | sol / str |

Codification - WATERTIGHT CONNECTOR

| Model | Description |
|---------|-------------------|
| DBR/Y-6 | DBR/Y-6 connector |

CUT-OFF RISERS

FEATURES

- To be connected directly to the sprinklers
- Possibility of cutting at any height
- Can also be used with the bubbler



SPECIFICATIONS

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

Codification - PLASTIC EXTENSIONS

| Model | 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" |

WATERPROOF CONNECTOR

FEATURES

- High moisture protection and superior grip compared to others
- Filled with high quality silicone which does not harden over time



SPECIFICATIONS

- 0.75 to 1.5mm² cable connector
- 0.75 to 2.0mm² cable connector
- Suitable for electrical systems up to 50 V - 10 A
- Temperature resistant up to 107°C
- It complies with the UL486D standard (corresponds to CEI EN 60947-7-1/-2)

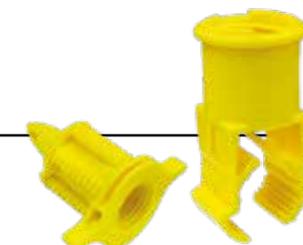
Codification - WATERTIGHT CONNECTORS

| Model | Description |
|-------|--|
| BVS-1 | Waterproof connector for cables from 0.75 to 1.5 mm ² |
| BVS-2 | Waterproof connector for cables from 0.75 to 2 mm ² |

BLAZING SADDLES

FEATURES

- ABS product for strength and durability
- No problem of core drilling shavings
- Quick fastening to polyethylene or PVC hose
- No need to use additional tools for installation



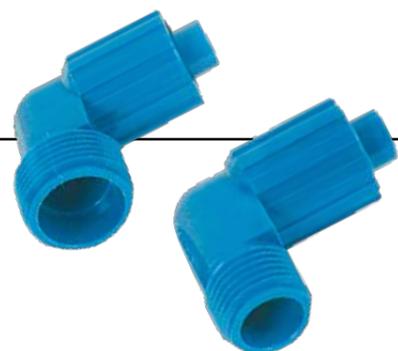
SPECIFICATIONS

- Thread: 1/2" and 3/4"
- Long-term endurance test with 1,060,000 on/off cycles at 4.2 bar with no leaks

Codification - PLASTIC EXTENSIONS

| Model | Description |
|--------|---|
| BS2550 | Blazing saddles for 25mm - 1/2" female hose |
| BS2575 | Blazing saddles for 25mm - 3/4" female hose |
| BS2590 | Blazing saddles for 25mm hose - with 3/8" connection for Blue Flex Hose |
| BS3350 | Blazing saddles for 33mm - 1/2" female hose |
| BS3375 | Blazing saddles for 33mm - 3/4" female hose |
| BS3390 | Blazing saddles for 33mm hose - with 3/8" connection for Blue Flex Hose |

SELF-THREADING ELBOW



FEATURES

- Automatic connection of the hose in the elbow
- No need to use glue or tools
- 90° configuration for easy installation
- Always use with the Super Blue Flex Hose

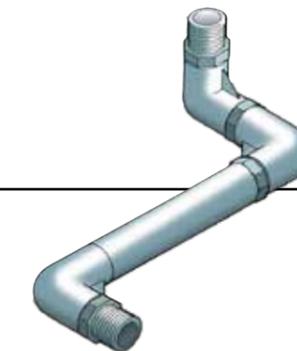
SPECIFICATIONS

- Thread: 1/2" and 3/4" male
- Maximum operating pressure: 7.0 bar

Codification - SELF-TAPPING ELBOW

| Model | Description |
|----------|--|
| 3300-005 | 1/2" male Elbow Lasco Blue Twister Manifold + one male double helix connection |
| 3300-007 | 3/4" male Elbow Lasco Blue Twister Manifold + one male double helix connection |

SWING JOINT



FEATURES

- Hi-Impact PVC body
- 360° rotation in three directions
- Essential for perfect levelling of sprinklers on the ground
- Pre-assembled unit that facilitates and speeds up the installation of the sprinklers

SPECIFICATIONS

- Thread: 1" and 1 1/2" male
- Maximum operating pressure: 13.6 bar at 22°C

Codification - ARTICULATED JOINT

| Model | Description |
|-----------|--------------------------------------|
| IT-TPK025 | 2 x 1" male, 30.5 cm Swing joint |
| IT-TPK040 | 2 x 1 1/2" male, 30.5 cm Swing joint |

BLAZING ELBOW



FEATURES

- Drainage fittings
- Automatic connection of the hose in the elbow
- No need to use additional tools
- 90° configuration for easy installation

SPECIFICATIONS

- Thread: 1/2" and 3/4" male

Codification - BLAZING ELBOWS

| Model | Description |
|--------|--|
| FP1800 | Blazing Drainage Elbow - graft 1/2" male |
| FP1900 | Blazing Drainage Elbow - graft 3/4" male |

ANTIVANDALISM UNION



FEATURES

- Prevents system malfunctions caused by tampering

SPECIFICATIONS

- Thread: 1/2"

Codification - VANDAL-RESISTANT JOINT

| Model | Description |
|--------|-------------------------------------|
| TAV020 | 3/4" M x 3/4" F Antivandalism union |

BLAZING CUTTERS



FEATURES

- Adjustability to cut multiple size polyethylene and PVC hoses
- It ensures a clean, precise and straight cut

SPECIFICATIONS

- 40 mm hoses

Codification - BLAZING CUTTERS

| Model | Description |
|--------|--|
| SB6000 | Adjustable cutter for PVC polyethylene hoses |
| 46350 | Cutter (for 40 mm hose) |
| BLRC50 | Spare blade for RC5000 cutter |
| BLRC70 | Replacement blade for RC7000 cutter |
| BL6001 | Spare blade for SB6000 cutter |

DRAIN VALVE



FEATURES

- Allows drainage of hoses at the end of irrigation
- Materials: bronze

SPECIFICATIONS

- Thread: 1/2"
- A spring opens the valve automatically when the pressure drops below 0.2 bar

Codification - DRAIN VALVE

| Model | Description |
|------------|----------------------------|
| IT-VAD0150 | 1/2" drain valve in bronze |

CHECK VALVE



FEATURES

- It prevents the piping from draining at low points
- It allows immediate closure at the end of irrigation, without percolation
- Materials: plastic

SPECIFICATIONS

- Thread: 1/2"
- Setting range: 0.12-0.96 bar
- Adjustment for closing with pressures below 0.4 bar
- By turning clockwise the closing pressure increases and vice versa (each turn of the screw corresponds to 0.12 bar)

Codification - ANTI-DRAIN VALVE

| Model | Description |
|------------|--------------------------|
| IT-VHCV015 | 1/2" plastic check valve |
| IT-VHCV020 | 3/4" plastic check valve |

BLAZING DRAIN VALVES



22163-EU



23167-EU

FEATURES

- Slow automatic drainage to avoid puddles
- Fabric-reinforced filter, no need to create a gravel bed
- Self-cleaning at each irrigation cycle. The EPDM rubber ball seal varies its position each time.
- ABS body

SPECIFICATIONS

- Thread: 1/2" and 3/4" male
- It opens automatically when the pressure drops below 0.7 - 1 bar

Codification - BLAZING DRAIN VALVES

| Model | Description |
|----------|---|
| 22163-EU | Blazing drain valve for side connection - 1/2" male |
| 23167-EU | Blazing drain valve - 3/4" male |

H₂OCAD® 4.0

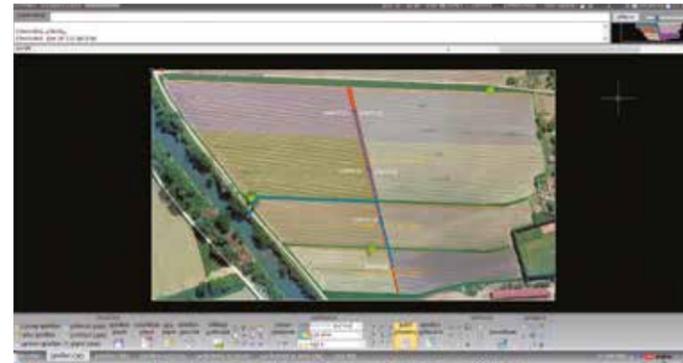
The irrigation system design software

H₂OCAD® is an integrated application which aims to simplify the design of irrigation systems allowing a significant reduction in implementation times.

H₂OCAD® is useful not only for drawing, but also to calculate everything you need for a valve boxe-designed system, including pressure drops, evapotranspiration (FAO formula), dimensioning of electrical cabling, pumps and irrigation sectors and much more.

The new version of the software includes a powerful vector drawing engine, a new graphic interface and the expansion of the calculation and design functions.

It contains an impressive database which includes 5,000 products, 13,000 varieties of plants, 6,000 climate data; the database is linked to calculation algorithms to ensure compliance with UNI irrigation standards.



FEATURES

High degree of design automation: the software can automate a number of operations, facilitating, for example, the positioning of the sprinklers and drip lines, also allowing a very fast division into sectors.

Metric calculation: with H₂OCAD® 4.0 it is possible to automatically obtain the estimate metric calculation. Layout plans: H₂OCAD® 4.0 contains the starting layout plans of the project, the post-survey plans, the rough plan and the finished project.

Precise project design: the software incorporates a powerful vector drawing motor able to draw all the constituent elements of the project: tubing, electrical wiring, excavations, measurements and accessories.

Importing and exporting: H₂OCAD® 4.0 can import and export both raster and vector files.

Prints: the software has a function that allows printing the projects with a highly professional print layout (with logos, project data sheet and legend).

Innovation and completeness ensure H₂OCAD 4.0® is a unique product, intended to make the work of those involved in irrigation design more effective and efficient.



For further information, contact our Engineering Department.



MICRO-IRRIGATION FOR GARDENING



MICRO-IRRIGATION FOR LANDSCAPE

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DRIP IN® PC BROWN

Drip line with self-compensating cylindrical Emitter



Drip In® PC brown is the drip line with self-compensating cylindrical Emitter ideal for irrigating lands and gardens that are not perfectly flat.

The Drip In® PC Emitter guarantees:

- Efficient operation;
- Distribution uniformity;
- Multi-year durability.

Drip In® PC brown can be installed on the surface or underground.

SPECIFICATIONS

- 16 mm nominal diameter
- 33 cm spacing
- Emitter 2.0 l/h
- Max operating pressure 3.5 bar
- 4 reel lengths available:
 - 25 m / 50 m / 100 m / 400 m

FEATURES

- Pressure compensating system guaranteeing a constant flow rate even when the pressure varies;
- High clogging resistance, thanks to the design of the Emitter, studied for a multi-year duration:
 - Self-cleaning diaphragm
 - The raised inlet prevents sediment deposits from entering the Emitter;
- Two outlet holes on opposite sides prevent take-up of impurities;

ADDITIONAL FEATURES

- Shade of brown particularly suitable for blending into flower beds and hedges
- Excellent flexibility that allows adapting the hose to the path
- Possibility of burying it completely

Technical Data

| Diameter | Spacing | Max Operating Pressure | Coil length | Weight | Coil dimensions (Ø X H) |
|----------|---------|------------------------|-------------|---------|-------------------------|
| 16 mm | 33 cm | 3.5 bar | 25 cm | 1.5 kg | 52 cm x 12 cm |
| | | | 50 cm | 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 - DRIP IN® PC BROWN

| Model | Description |
|-----------------|--|
| EHPCB162-33-25 | Drip In PC Brown 16mm, 33cm, 2.0 l/h, 25m |
| EHPCB162-33-50 | Drip In PC Brown 16mm, 33cm, 2.0 l/h, 50m |
| EHPCB162-33-100 | Drip In PC Brown 16mm, 33cm, 2.0 l/h, 100m |
| EHPCB162-33-400 | Drip In PC Brown 16mm, 33cm, 2.0 l/h, 400m |

DRIP IN® CL BROWN

Drip line with cylindrical Emitter



Drip In® CL brown is the drip line with cylindrical Emitter ideal for irrigating gardens, hedges and multi-year crops. The Drip In® CL Emitter ensures:

- Resistance to clogging;
- Durability;
- Excellent irrigation results on flat land.

Drip In® CL brown is designed and manufactured according to the best quality standards and represents an accessible and convenient investment guaranteeing perfect irrigation.

Drip In® CL brown can be installed on the surface.

SPECIFICATIONS

- 16 mm nominal diameter
- 33 cm spacing
- Emitter 2.0 l/h
- Max operating pressure 3.5 bar
- 4 reel lengths available:
 - 25 m / 50 m / 100 m / 400 m

FEATURES

- High clogging resistance, thanks to the design of the Emitter, studied for a multi-year duration;
- High resistance to accidental blows due to the use of machines or simply to bumps. This resistance allows a greater ease of installation.

ADDITIONAL FEATURES

- Shade of brown particularly suitable for blending into flower beds and hedges;
- Excellent flexibility that allows adapting the hose to the path.

Technical Data

| Diameter | Spacing | Max Operating Pressure | Coil length | Weight | Coil dimensions (Ø X H) |
|----------|---------|------------------------|-------------|---------|-------------------------|
| 16 mm | 33 cm | 3.5 bar | 25 cm | 1.6 kg | 52 cm x 12 cm |
| | | | 50 cm | 3.2 kg | 58 cm x 15 cm |
| | | | 100 m | 6.5 kg | 59 cm x 18 cm |
| | | | 400 m | 26.0 kg | 83 cm x 30 cm |

Coding - DRIP IN® CL BROWN

| Model | Description |
|-----------------|---|
| EHCLB162-33-25 | Drip In PC CL Brown 16mm, 33cm, 2.0 l/h, 25m |
| EHCLB162-33-50 | Drip In PC CL Brown 16mm, 33cm, 2.0 l/h, 50m |
| EHCLB162-33-100 | Drip In PC CL Brown 16mm, 33cm, 2.0 l/h, 100m |
| EHCLB162-33-400 | Drip In PC CL Brown 16mm, 33cm, 2.0 l/h, 400m |

POLYETHYLENE HOSE

Polyethylene hose with Oval and Round section

The low density polyethylene hose is made from selected polymers to guarantee reliability, value for money and practicality. Its composition ensures a long working life, even in the most adverse environmental conditions. The mechanical characteristics of the polyethylene hose ensure the barbed Emitters are easy and secure to insert.

FEATURES

- The low density polyethylene hose is characterised by:
 - Long working life even in the most severe working conditions;
 - Easy insertion of barbed Emitters such as Euro Key / Euro Plus / NGE AL.

ADDITIONAL FEATURES

- The low density polyethylene hose allows transporting water in all applications in which the use of barbed Emitters is preferable or where secondary or branch lines are required.

Oval Section Polyethylene Hose Dimensions (PHW codes)

| Diameter | Wall thickness | Max Operating Pressure | Coil length | Weight | Coil dimensions (Ø X H) |
|----------|----------------|------------------------|-------------|---------|-------------------------|
| 16 mm | 0.9 cm | 3.5 bar | 450 m | 17.9 kg | 80 cm x 30 cm |
| | 1.1 cm | 4.0 bar | | 22.0 kg | |
| 20 mm | 0.9 cm | 3.5 bar | 300 m | 15.5 kg | 80 cm x 30 cm |
| | 1.1 cm | 4.0 bar | | 17.6 kg | |

Circular Section Polyethylene Hose Dimensions (EHHOB codes)

| Diameter | Wall thickness | Max Operating Pressure | Coil length | Weight | Coil dimensions (Ø X H) |
|----------|----------------|------------------------|-------------|--------|-------------------------|
| 16 mm | 1.0 mm | 3.5 bar | 100 m | 5.2 kg | 59 cm x 18 cm |

Codification - POLYETHYLENE HOSE

| Model | Description |
|-------------|---|
| EHHOB16-100 | Brown circular cross-section polyethylene hose, 16mm, 1.0mm, 100m |
| PHW1609 | Black oval cross-section polyethylene hose, 16mm, 0.9mm, 450m |
| PHW1611 | Black oval cross-section polyethylene hose, 16mm, 1.1mm, 450m |
| PHW2009 | Black oval cross-section polyethylene hose, 20mm, 0.9mm, 300m |
| PHW2012 | Black oval cross-section polyethylene hose, 20mm, 1.2mm, 300m |



SPECIFICATIONS

- The low density polyethylene hose range includes the following products:
 - Black oval section hose with blue stripe (code PHW):
 - 16 mm diameter, 0.9* and 1.1 mm wall thickness
 - 20 mm diameter, 0.9* and 1.2 mm wall thickness
 - Brown circular section hose (code EHHOB):
 - 16mm diameter, 1.0mm wall thickness
- The round section hose is suitable for inserting barbed Emitters (Euro Key/Euro Plus/ NGE/Vortex Fogger nebulisers) while the one with an oval section is particularly suitable for making connections between the main lines and the drip lines.



NGE AL

Pressure-Compensating Anti-Leak Dripper

The Pressure-compensating Anti-leakage NGE®AL Dripper is ideal for the irrigation of potted plants and for any other application which requires a precise and accurate irrigation. Each dripper provides precise delivery while its anti-leakage device eliminates the possibility of drips when the system is closed.

FEATURES

- The dripper and the self-compensating membrane design allow:
 - The opening of the dripper when the pressure of 0.9 bar is reached. As a consequence, the start-up time of the system is reduced to a minimum and the uniformity of emission is maximum.
 - Self-cleaning during plant operation.
 - The drippers close at pressure values between 0.24 and 0.34 bar depending on the flow rate. This avoids the drainage of the system, allowing short irrigation cycles to be carried out efficiently.
 - The closure of the dripper when the system stops avoids problems of occlusion due to the siphon effect.
 - The inlet filter with semi-round section and the labyrinth with a large cross section guarantee a high resistance to clogging.
 - Coefficient of Variation CV≤3%.
 - Available with Male Adapter (-MA) for single or double output Spider.
 - Compliant with ISO 9261:2004 standard

Technical Data

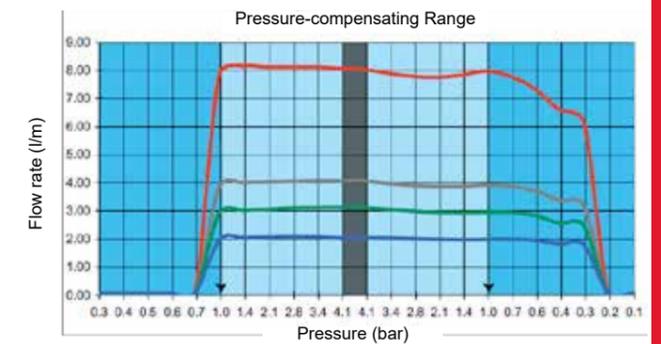
| NGE® AL Specifications | | DPCT02 | DPCT03 | DPCT04 | DPCT08 |
|-------------------------------|-------|-------------------------|-------------|------------|-----------|
| Nominal Flow Rate | l / h | 2.0 | 3.0 | 4.0 | 8.0 |
| Pressure-compensating Range | bar | from 0.9 to 4.1 | | | |
| Closing Pressure | bar | 0.24 | 0.28 | 0.34 | 0.34 |
| Coefficient of Variation (CV) | | ≤ 3% | | | |
| Minimum Filtration Required | | 140 mesh. (105 microns) | | | |
| Colour / Colour Code | | Blue / BLUE | Green / GRN | Grey / BLK | Red / RED |

Codification - NGE AL

| Model | 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 |



Dripper Flow vs. Pressure



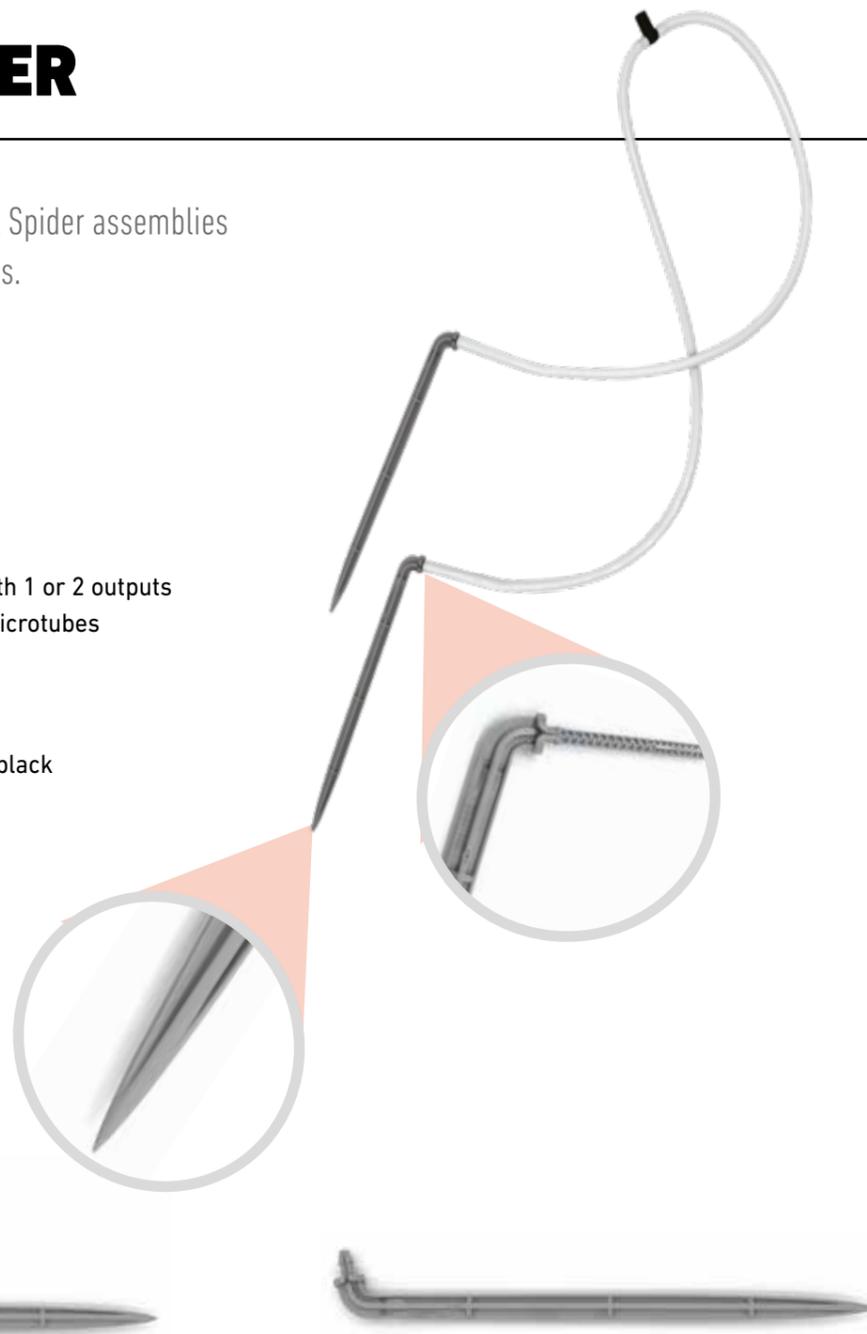
- Light blue 2.0 l / h
- Light green 3.0 l / h
- Grey 4.0 l / h
- Light red 8.0 l / h

WHITE SPIDER

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

FEATURES

- Precise and accurate delivery
- Available in two configurations with 1 or 2 outputs
- Available with 60 or 80 cm long microtubes
- Easily installed on NGE drippers with male adapter (-MA).
- 3 x 5 mm Microtube
- Also available in the version with black microtube and stake.



▲ Angular stake with Labyrinth for double outlet Spider

▲ Barbed angular stake for single outlet Spider

Codification - WHITE SPIDER

| Model | Adapter | Microtube | Stake |
|------------------------------|-------------------|-----------------|------------------------------------|
| 1-OUTLET WHITE SPIDER | | | |
| IT-DBS1WQBX-60 | 1-outlet straight | 1 x 60 cm White | 1 90° Grey Barbed Stake |
| IT-DBS1WQBX-80 | 1-outlet straight | 1 x 80 cm White | 1 90° Grey Barbed Stake |
| 2-OUTLET WHITE SPIDER | | | |
| IT-DBS2WQTX-60 | 2-outlet Tee | 2 x 60 cm White | 2 x 90° Grey Turbulent Flow Stakes |
| IT-DBS2WQTX-80 | 2-outlet Tee | 2 x 80 cm White | 2 x 90° Grey Turbulent Flow Stakes |

EURO-PLUS

Maintainable Pressure-compensating Dripper

FEATURES

- Serviceable dripper to allow quick and easy maintenance of the system.
- Lug-equipped base to hold the dripper in position along the drip line.
- Silicone membrane.
- 4 mm barbed inlet.
- Male outlet with connection 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.
- Compliant with ISO 9261:2004 standard.

Technical Data

| 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 |

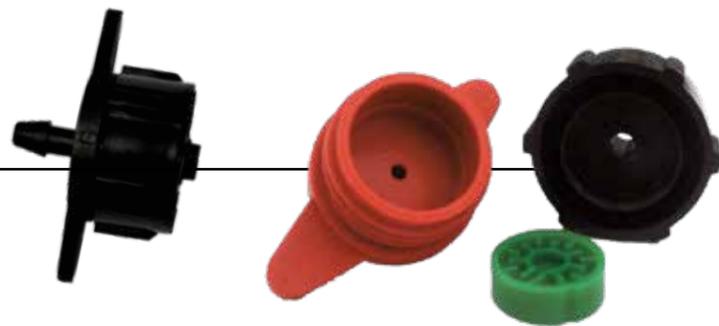


Codification - EURO PLUS

| Model | 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 Emitter



FEATURES

- Maintainable dripper to allow easy system monitoring
- Lug-equipped base for dripper line stability
- Compliant with ISO 9261:2004 standard
- Coefficient of Variation (CV) ≤5%
- Large turbulent flow labyrinth providing great resistance to clogging
- Key available (EUDNK00)

SPECIFICATIONS

- Nominal flow rate: 2, 4, 8, 16, 24 l/h
- Recommended operating pressure: 1.0 - 2.0 bar
- VC ≤ 5%
- Inlet: 4 mm barbed connection
- Male outlet with connection for 4x6 mm microtube

Technical Data

| Model | Disc Colour | Flow rate in l/h @ | | |
|-----------------|-------------|--------------------|----------|----------|
| | | 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 - EURO KEY

| Model | 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 |

VARIS & VARISTAKE

APPLICATIONS

Irrigation of potted plants, flower beds in residential and landscaped environments, on balconies, patios and terraces.

FEATURES

- Adjustable flow rate from 0 to 40 l/h
- 8 outlet holes for a more uniform 360° water distribution
- Precise flow regulation thanks to the internal slip clutch
- Easily serviceable
- Operating pressure: 0.75-2.25 bar
- PE Micro-tube hose barbed connection supplied with the Varistake
- Varis can be installed directly on the PE hose or at the end of the microtube
- Varistake can be planted in the ground thanks to the built-in 12 cm stake

SPECIFICATIONS

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

Codification - VARIJET

| Model | Description |
|----------|--|
| EU-DAK05 | Varis, 0-40 l/h, 4 mm barbed connection |
| EU-DAK15 | Varistake, 0-40 l/h, 4 mm barbed connection mounted on a 12 cm stake |



TRICKLER

APPLICATIONS

Irrigation of potted plants, flower beds in residential and landscaped environments, on balconies, patios and terraces.

FEATURES

- Adjustable flow rate from 0 to 30 l/h
- 12 outlet holes for a more uniform 360° water distribution
- Precise flow regulation thanks to the internal slip clutch
- Easily serviceable
- Operating pressure: 0.75-2.25 bar

SPECIFICATIONS

- Connection with 4 mm male thread

Codification - TRICKLER

| Model | Description |
|---------|--------------------------------------|
| 1011292 | Trickler, 0-30 l/h, 4 mm male thread |



VARIJET



APPLICATIONS

Irrigation of flower beds and gardens.

FEATURES

- Adjustable flow rate from 0 to 53 l/h
- Operating pressure: 0.5-2.5 bar
- Radius from 1.25 to 2.90 m
- 3 models available with 360° x 15, 180° and 90° trajectories
- Easily installed on PE hoses

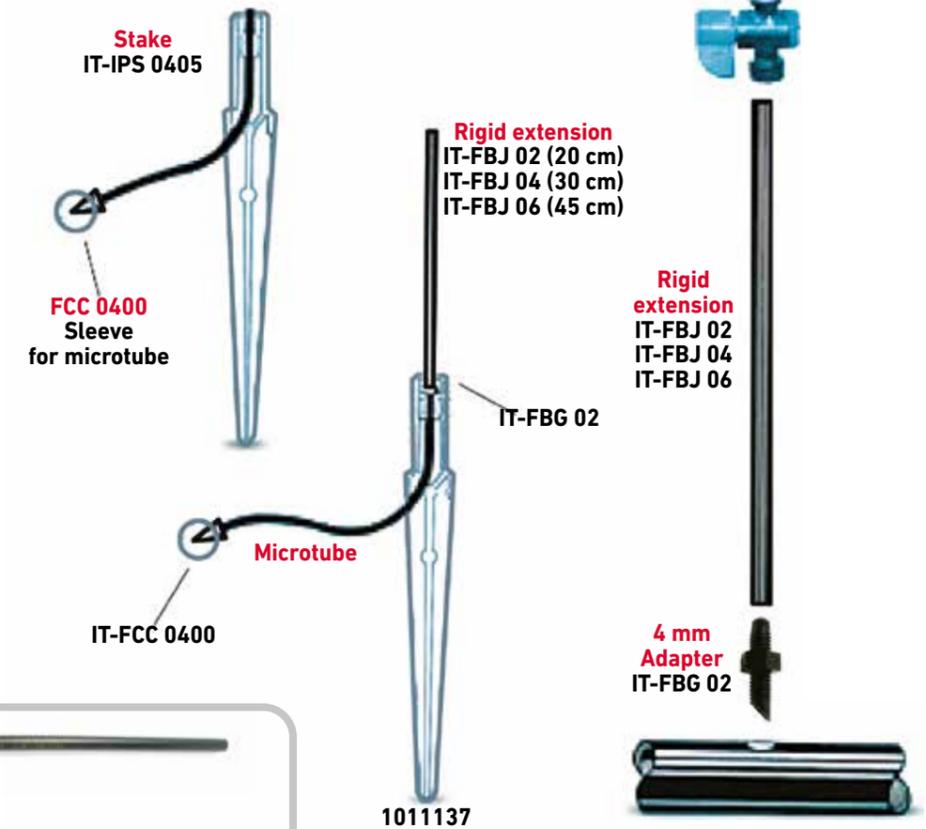
Technical Data

| Pressure (bar) | Flow rate (l/h) | SBB601 | SBB607 | SBB609 |
|-------------------|-----------------|-----------|--------|--------|
| | | 360° x 15 | 180° | 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 |

Codification - VARIJET

| Model | Description |
|--------|-------------------------------|
| SBB601 | Varijet, 360° micro-sprinkler |
| SBB607 | Varijet, 180° micro-sprinkler |
| SBB609 | Varijet, 90° micro-sprinkler |

ACCESSORIES FOR VARIJET



▲ Extension

IT-FBJ02 20cm extension with threaded adapter
IT-FBJ04 30cm extension with threaded adapter
IT-FBJ06 45cm extension with threaded adapter



◀ **IT-FVT04-1**
Ø 4 mm barbed
Mini Valve



◀ **IT-FVT04**
Mini valve with
male thread,
Ø 4 mm



◀ **IT-FBG02**
Male thread adapter,
Ø 4 mm



◀ **1011137**
Jet stake for Varijet
to be used with
IT-FBJ0x extension



◀ **IT-FBG01**
Punch with key
for Microjet



◀ **EU-FMP09**
Punch

VORTEX FOGGER

Nebulisers

The Vortex Fogger is suitable for flower beds, bushes and trees where a very fine mist at low pressure and low flow is required, allowing local control of temperature and humidity.

Nebulisers are traditionally used for cooling the air and therefore the foliage and for irrigating plants during germination and propagation. They are also increasingly being installed on or within the canopy of the plant and used for traditional outdoor crops to cool the plant during extreme heat.

FEATURES

- Simple two-part design (body + nozzle)
- It produces a fine spray (mist) at a relatively low operating pressure (170 kPa/1.7 bar)
- Used both where there are no pressure pumps and with existing systems designed for drip irrigation that traditionally operate at low pressure (100-250 kPa/1.0-2.5 bar)
- The body is offered in two colours:
 - **Grey:** offers the ability to divert heat and keep the temperature of the water mist low
 - **Black:** allows to significantly reduce the visual impact
- The Vortex Fogger produces a finer mist as the operating pressure increases. The flow rate of each nozzle will also increase as the operating pressure increases.
- Construction materials:
 - Body: POM M270
 - Nozzle: POM M270



SPECIFICATIONS

- Flow rates (@ 170 kPa / 1.7 bar):
 - 8 l/h Green nozzle (0.43mm)
 - 12 l/h Black nozzle (0.76 mm)
 - 16 l/h Red nozzle (1.07 mm)
- Min. Pressure: 100 kPa/1.0 bar
- Max. Pressure: 500 kPa/5.0 bar
- Nominal pressure: 170 kPa/1.7 bar
- Recommended filtration:
 - 8 l/h - 120 mesh/125 micron
 - 12 l/h and 16 l/h - 80 mesh/200 micron
- Horizontal coverage (@ 100-500 kPa/1.0-5.0 bar)
 - Green nozzle: 1.9 m - 2.7 m
 - Black nozzle: 2.6 m - 2.9 m
 - Red nozzle: 2.45 m - 3.1 m
- Vertical coverage @ 2.0m from the ground (@100-500 kPa/1.0-5.0 bar)
 - Green nozzle: 0.5m - 1.0m
 - Black nozzle: 0.5m - 1.2m
 - Red nozzle: 0.5m - 1.3m



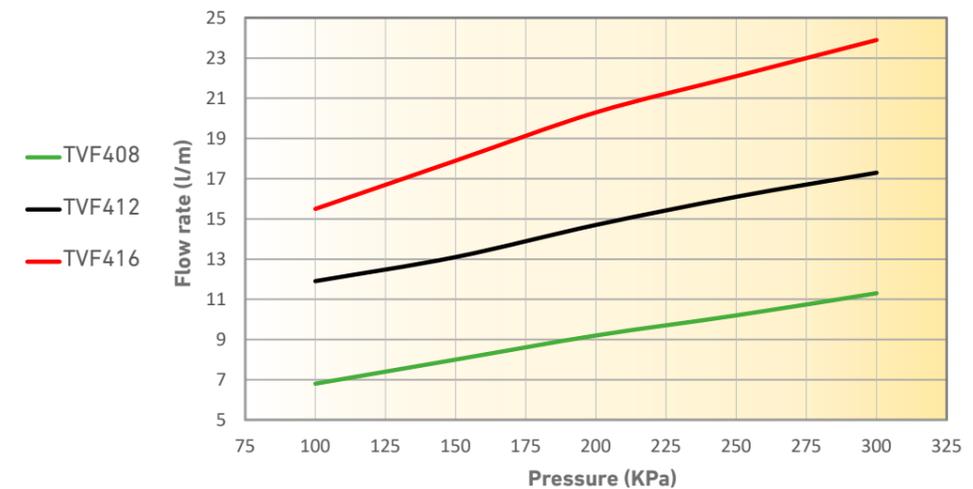
INSTALLATION

- Insert it directly into the PE hose by drilling a 3.0mm hole or insert it into a PE microtube with an internal diameter of 4.0mm.
 - Inlet: 4.0mm barbed connection
 - Microtube: 4.0 mm I.D.
 - Recommended drilling: 3.0 mm
- The nebulisers can be operated in any direction (orientation).
- For cooling, install the nebuliser with a horizontal spray.
- For propagation, install at a height of 1.2-2.0 m and direct it downwards.

Technical Data - Pressure and Flow

| Pressure (kPa) | TVF408 (l/h) | TVF412 (l/h) | TVF416 (l/h) |
|-------------------|-------------------|-------------------|--------------|
| 100 | 6.8 | 11.9 | 15.5 |
| 150 | 8.0 | 13.1 | 17.9 |
| 200 | 9.2 | 14.7 | 20.3 |
| 250 | 10.2 | 16.1 | 22.1 |
| 300 | 11.3 | 17.3 | 23.9 |
| 350 | 12.1 | 18.5 | 25.5 |
| 400 | 12.9 | 19.6 | 27.0 |
| 450 | 13.4 | 20.3 | 28.1 |
| 500 | 14.0 | 21.2 | 29.4 |
| Filtration | 125 Micron | 200 Micron | |

Pressure - Flow



Codification - VORTEX FOGGER NEBULISERS

| Model | Description |
|----------|---|
| TVF408 | 4.0 mm barbed VORTEX FOGGER nebuliser, flow rate 8 l/h, Green nozzle, Black body |
| TVF408-G | 4.0 mm barbed VORTEX FOGGER nebuliser, flow rate 8 l/h, Green nozzle, Grey body |
| TVF412 | 4.0 mm barbed VORTEX FOGGER nebuliser, flow rate 12 l/h, Black nozzle, Black body |
| TVF412-G | 4.0 mm barbed VORTEX FOGGER nebuliser, flow rate 12 l/h, Black nozzle, Grey body |
| TVF416 | 4.0 mm barbed VORTEX FOGGER nebuliser, flow rate 16 l/h, Red nozzle, Black body |
| TVF416-G | 4.0 mm barbed VORTEX FOGGER nebuliser, flow rate 16 l/h, Red nozzle, Grey body |



BUBBLER

APPLICATIONS

For local irrigation of flowerpots, flower beds, single plants and shrubs.

FEATURES

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



Codification - BUBBLER

| Model | Description |
|--------------|--------------------------------|
| EU-SHW401-2N | Bubbler, flood micro-sprinkler |

M SERIES FILTERS

Small plastic filters



FEATURES

- Cartridge:
 - 150 mesh stainless steel screen
 - 150 mesh plastic discs
- Body and lid in polypropylene, fiberglass reinforced nylon locking ring
- Filtering surface area:
 - 135 cm² screen cartridge
 - 170 cm² disc cartridge
- Intermediate dimensions between the S and F models
- ½" male outlet (with optional cap) for quick self-cleaning

SPECIFICATIONS

- From ¾" to 1" ½ male thread
- Maximum operating pressure: 10 bar

SCREEN IN-LINE FILTERS



FEATURES

- Two models available:
 - Ø 13 mm connection
 - Ø 19 mm connection
- Maximum operating pressure: 3 bar
- 80 mesh screen cartridge
- Indication of the flow direction printed on the filter body

Codification - IN-LINE FILTERS

| Model | Description |
|----------|---|
| 1011111B | In-line filter for 16 mm external Ø hose, 2 barbed Ø 13 mm connections, 80 mesh |
| 1011113B | In-line filter for 25 mm external Ø hose, 2 barbed Ø 19 mm connections, 80 mesh |

Technical Data

| Model | Screen filters | Disc filters | Inlet/Outlet Male | Micron | Mesh | Max flow rate (l/h) |
|-------|----------------|----------------|-------------------|--------|-------|---------------------|
| M20 | EU-ABF2015-2MW | EU-ABF2015-3MW | ¾" | 100 | ~ 150 | 100 |
| M25 | EU-ABF2515-2MW | EU-ABF2515-3MW | 1" | 100 | ~ 150 | 120 |
| M32 | EU-ABF3215-2MW | EU-ABF3215-3MW | 1" ¼" | 100 | ~ 150 | 180 |
| M40 | EU-ABF4015-2MW | EU-ABF4015-3MW | 1" ½" | 100 | ~ 150 | 250 |

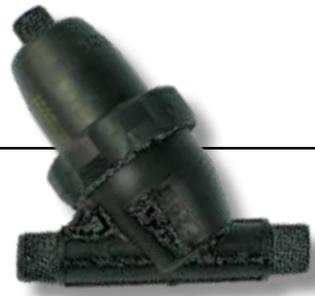
The maximum flow rates detailed in the table refer to a pressure drop of 0.5 bar (clean water)

Codification - M SERIES FILTERS

| Model | Description |
|----------------|---|
| EU-ABF2015-2MW | ¾" male screen M Filter, 150 mesh without discharge |
| EU-ABF2515-2MW | 1" male screen M Filter, 150 mesh without discharge |
| EU-ABF3215-2MW | 1" ¼ male screen M Filter, 150 mesh without discharge |
| EU-ABF4015-2MW | 1" ½ male screen M Filter, 150 mesh without discharge |
| EU-ABF2015-3MW | ¾" male disc M Filter, 150 mesh without discharge |
| EU-ABF2515-3MW | 1" male disc M Filter, 150 mesh without discharge |
| EU-ABF3215-3MW | 1" ¼ male disc M Filter, 150 mesh without discharge |
| EU-ABF4015-3MW | 1" ½ male disc M Filter, 150 mesh without discharge |

S and F SERIES FILTERS

Small plastic filters



FEATURES

- Cartridge:
 - 150 mesh stainless steel screen
 - 150 mesh plastic discs
- Body and lid in polypropylene, fiberglass reinforced nylon locking ring
- Filtering surface area:
 - 114 cm² screen cartridge (S Filter)
 - 225 cm² screen cartridge (F Filter)
 - 280 cm² disc cartridge (F Filter)
- Easy to disassemble for easy cleaning
- ½" male outlet (with optional cap) for quick self-cleaning

SPECIFICATIONS

- From ¾" to 1" ½ male thread
- Maximum operating pressure: 10 bar

Technical Data

| Model | Screen filters | Disc filters | Inlet/Outlet Male | Micron | Mesh | Max flow rate (l/h) |
|-------|----------------|----------------|-------------------|--------|-------|---------------------|
| 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" 1/4 | 100 | ~ 150 | 200 |
| F32 | EU-ABF3215-2FW | EU-ABF3215-3FW | 1" 1/2 | 100 | ~ 150 | 250 |
| F40 | EU-ABF4015-2FW | EU-ABF4015-3FW | | 100 | ~ 150 | 300 |

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

Codification - SERIES S AND F FILTERS

| Model | Description |
|----------------|---|
| EU-ABF2015-2SW | ¾" male screen S Filter, 150 mesh without discharge |
| EU-ABF2515-2SW | 1" male screen S Filter, 150 mesh without discharge |
| EU-ABF2515-2FW | 1" male screen F Filter, 150 mesh without discharge |
| EU-ABF3215-2FW | 1" ¼ male screen F Filter, 150 mesh without discharge |
| EU-ABF4015-2FW | 1" ½ male screen F Filter, 150 mesh without discharge |
| EU-ABF2515-3FW | 1" male disc F Filter, 150 mesh without discharge |
| EU-ABF3215-3FW | 1" ¼ male disc F Filter, 150 mesh without discharge |
| EU-ABF4015-3FW | 1" ½ male disc F Filter, 150 mesh without discharge |

XD SERIES FILTERS

Big plastic filters



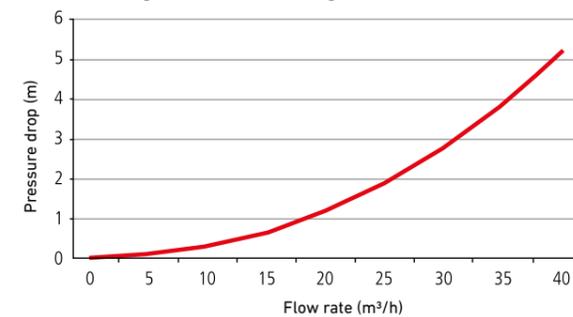
FEATURES

- Innovative disc design
- Disc cartridge: 120, 150, 200 mesh
- Body, lid and locking ring in fiberglass reinforced nylon
- Filtering surface area:
 - 2" and 3" model with short body: 10,800 cm²
 - 3" Model: 18,000 cm²
- Ring-nut closure for easy assembly/disassembly without tools
- Pressure gauge connections to be perforated if necessary, to allow measuring the pressure and thus the cleanliness of the filter
- The filter allows for very long cleaning intervals

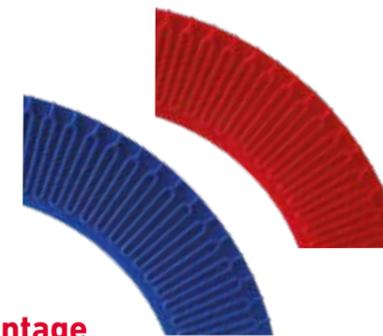
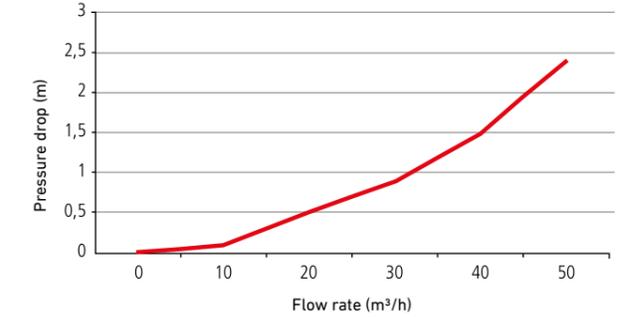
SPECIFICATIONS

- 1" male threaded connection to be drilled for using 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 long lid): 50 m³/h
- Dimensions:
 - 2" Model: L274 mm; H540 mm
 - 3" Model: L320 mm; H785 mm

2" pressure drop table



3" pressure drop table



Advantage

The innovative design of the XD disc allows obtaining a very large filtering surface area (with the same cartridge size) compared to a traditional disc filter, thus ensuring a high filtering capacity.

Codification - XD SERIES FILTERS

| Model | 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 disc Filter, short cover, 120 mesh |
| EU-ABF7515-3XS | 3" XD disc Filter, short cover, 150 mesh |
| EU-ABF7520-3XS | 3" XD disc Filter, short cover, 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

Hercules is the range of Irritrol valve boxes designed to blend maximum protection of underground systems (valves and related instruments) with ease of use as they easily adapt to new or existing systems.

FEATURES

Circular Models

- **Cover:**
 - 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

- **Cover:**
 - 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

For the measurements, see page 77 in this catalogue
* Customisable covers, contact for details



- Resistance
- Versatility
- Range in line with the EN124 standard, designed to withstand loads up to 1.5 tons

Codification - HERCULES VALVE BOXES

Basic models without holes

| Model | Description |
|---------|--|
| EU-HCS | Small round valve boxe with cover |
| EU-HCM | Medium round valve boxe with cover |
| EU-HRS | Standard rectangular valve boxe with cover without holes |
| EU-HRJ | Jumbo rectangular valve boxe with cover without holes |
| EU-HCSL | Small round valve boxe cover |
| EU-HCML | Medium round valve boxe cover |
| EU-HRSL | Standard rectangular valve boxe cover without holes |
| EU-HRJL | Jumbo rectangular cover |

Optional tightening after manual drilling and locking kit available separately EU-HCK

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

| Model | Description |
|----------|--|
| EU-HRSO | Standard rectangular valve boxe with cover with one hole |
| EU-HRJO | Jumbo rectangular valve boxe with cover with one hole |
| EU-HRSLO | Standard rectangular valve boxe cover with one hole |
| EU-HRJLO | Jumbo rectangular valve boxe cover with one hole |

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

| Model | Description |
|----------|--|
| EU-HRSM | Standard rectangular valve boxe with cover with multiple holes |
| EU-HRJM | Jumbo rectangular valve boxe with cover with multiple holes |
| EU-HRSLM | Standard rectangular valve boxe cover with multiple holes |
| EU-HRJLM | Jumbo rectangular valve boxe cover with multiple holes |

Accessories

| Model | Description |
|--------|---|
| EU-HCK | Locking kit for round models (M5x35 screw + M5x8 hexagonal nut) |
| EU-HRK | Locking kit for rectangular models (M6x25 hexagonal bolt + M6 G 24x16x11 plate) |
| EU-HRC | Cable support for rectangular models |

E-PIC

FEATURES

- Manual opening with standard internal drain
- Slow, anti-water hammer closing
- Double rib thermoplastic rubber diaphragm

ADDITIONAL FEATURES

- 4-screw easy valve opening system
- Serviceable auger, removable from the outside
- Flow rate of 80.0 l/min with 0.5 bar of pressure drop

Codification - E-PIC

| Model | Description |
|----------------|--|
| EU-EPIC-0.75-S | ¾" Female E-pic Series Valve, Without Flow Control |
| EU-EPIC-1-S | 1" Female E-pic Series Valve, Without Flow Control |



SPECIFICATIONS

- Flow rate: 1.2-7.2 m³/h (20 - 120 l/min)
- Operating pressure: 0.5-10.0 bar
- Solenoid, 24 VAC - 50 Hz:
 - Surge current absorption 0.34 Amp
 - Standard absorption 0.20 Amp

PRESSURE REGULATOR

FEATURES

- Ideal for areas where irrigation pressure is low and where there is a variation in pressure along the line
- The piston-valve assembly is built in DuPont Zytel for increased durability and consistent operation
- ABS body, ultrasonic welding of component parts
- Silicone O-ring seal to ensure lower pressure drop
- Spring in stainless steel

SPECIFICATIONS

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

Codification - PRESSURE REGULATOR

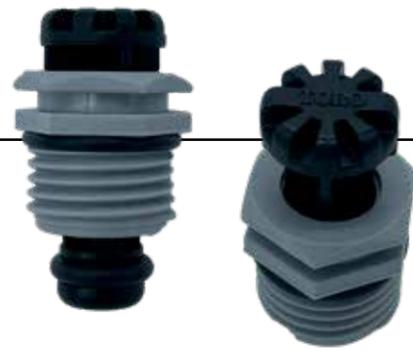
| Model | Description |
|---------------|--|
| IT-VRR2020151 | ¾" pre-calibrated pressure regulator, model 15 |
| IT-VRR2020191 | ¾" pre-calibrated pressure regulator, model 19 |
| IT-VRR2020251 | ¾" pre-calibrated pressure regulator, model 25 |



Technical Data

| Inlet pressure (bar) | Outlet pressure (bar) MODEL 15 | | | | | Outlet pressure (bar) MODEL 19 | | | | | Outlet pressure (bar) MODEL 25 | | | | |
|----------------------|--------------------------------|------|------|------|------|--------------------------------|------|------|------|------|--------------------------------|------|------|------|------|
| | 1.4 | 2.1 | 2.8 | 3.4 | 4.1 | 1.4 | 2.1 | 2.8 | 3.4 | 4.1 | 1.4 | 2.1 | 2.8 | 3.4 | 4.1 |
| 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 | 1.74 |
| 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 |

AIR RELEASE VALVE



APPLICATIONS

Air release valve designed to let the air out of the lines when filling the lines and to allow the air to return, avoiding the vacuum effect, during emptying.

OPERATION

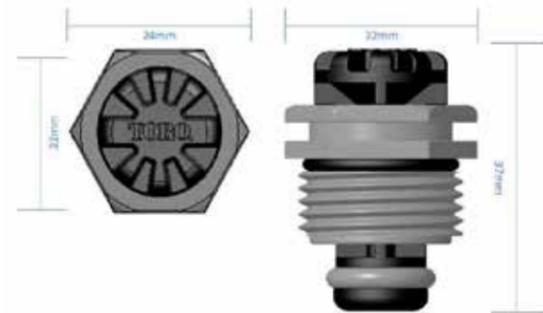
- The valve expels air from the irrigation network as the lines fill. When the water reaches the inside of the valve, the floater rises and seals the outlet.
- The valve also prevents the creation of a vacuum and subsequent collapse of the piping as the lines empty. When the pressure is reduced, the floater drops opening the valve and allowing outside air to enter the irrigation network.

SPECIFICATIONS

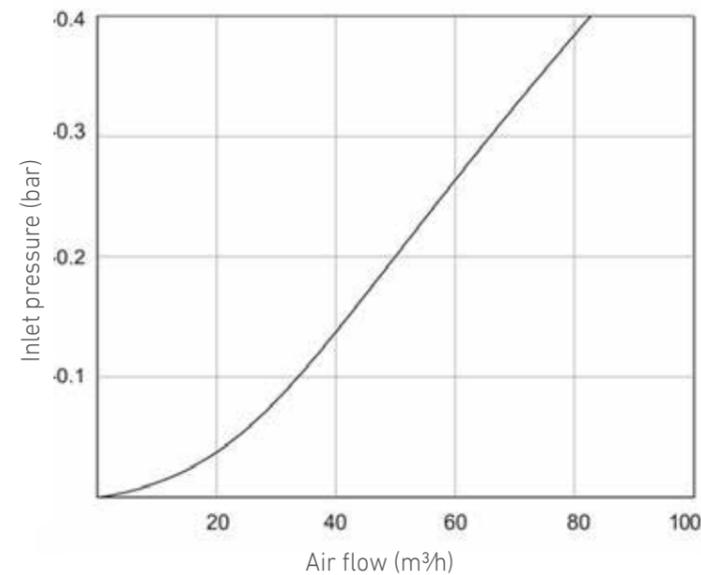
- Dimensions: 37mm high x 22mm wide x 22mm depth
- Thread: 1/2" NPT
- Minimum pressure: 0.3 bar
- Max pressure: 10.0 bar
- Operating range: from 3.0 bar to 6.0 bar
- Air release volume (flush): up to 80m³/h at -0.4 bar

INSTALLATION

- Install vertically at the highest points or at the end of the irrigation network where air can accumulate during operation.



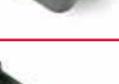
1/2" Air release Valve



Codification – AIR RELEASE VALVE

| Model | Description |
|-------|--|
| TVB15 | 1/2" male threaded kinetic air release valve |

DRIP LINE FITTINGS AND PE HOSE

| Model | Description |
|--|---|
|  IT-FCC617 | Fitting for 16 mm Drip line |
|  IT-FCC618 | Fitting for 20 mm Drip line |
|  IT-FTT612 | Tee fitting for 16x16x16mm Drip line |
|  IT-FTT616 | Tee fitting for 20x20x20mm Drip 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 | 10 mm barbed starter for 16 mm Drip line |
|  IT-FGA620 | 10 mm barbed starter for 20 mm Drip line |
|  1011231 | Line end cap for 16mm Drip line |
|  1011233 | Line end cap for 20mm Drip line |
|  IT-IPS1501 | Locator stake for 16 mm Drip line |
|  IT-FMP457 | 7 mm punch tool for 10 mm barbed connections |

PROMOTIONAL ITEMS

LITERATURE

| Code | Description |
|----------------|------------------------------------|
| IT-QCATIR-E/23 | Irritrol Catalogue, 2023 |
| IT-QIRRD-E | Irritrol range Brochure |
| IT-QLIFR-E/20 | Life Brochure |
| IT-QLIFE-E/22 | Life Plus Brochure |
| IT-QLIFEL-E | Life Data Sheet |
| IT-QLIFEDCL-E | Life DC Data Sheet, English/French |
| IT-QEPIC-E | E-Pic Valve Sheet |
| IT-QHER-E | Hercules Valve boxes Sheet |
| IT-QIPN-R-E | Rotary Nozzles Sheet |
| IT-QCL-E | Climate Logic Sheet |
| IT-Q550R-E | 550R-SC Sheet |

MERCHANDISING

| Code | Description |
|---------------|---|
| IT-QMIGMA2 | Irritrol T-Shirt |
| IT-QMUGCA2 | Irritrol Cap |
| IT-QMIGMA5 | Irritrol Polo |
| IT-QIRJACK | Irritrol Jacket |
| IT-QGILIR | Irritrol Gilet |
| IT-QSHIRTL | Life T-Shirt |
| IT-QSHIRTIPN | Rotary Nozzles T-Shirt |
| IT-QMIGRA1 | Irritrol Binder |
| IT-QMIGPE | Irritrol Pen |
| IT-QIRRFOL | Irritrol Folder |
| IT-QSHOP-IRR | Irritrol Cotton Bag |
| IT-QMUAST2 | Irritrol PVC Banner |
| IT-QVFLAG-IRR | Irritrol Upright flag |
| IT-QMKES | Irritrol Counter Display |
| IT-QMUGBA1 | Irritrol red flag for sprinkler positioning |
| IT-QMUGBA2 | Irritrol white flag for sprinkler positioning |
| IT-QMUGBA3 | Irritrol green flag for sprinkler positioning |
| IT-QIRAD-1912 | Irritrol Sticker (19x12 cm) |
| IT-QIRAD-52 | Irritrol Sticker (5x2.2 cm) |
| IT-QLIFEPOS | Life Poster (50x70cm) |
| IT-QTOTEML | Life Totem |
| IT-QBANLIFE | Irritrol Banner |
| IT-Q550RPOS | 550R Poster (70x100cm) |
| IT-QVALPOS | Richdel Valves Poster (70x100cm) |
| IT-QHERCUT | Hercules Cutter |
| IT-QHERPOS | Hercules Poster (50 x 70 cm) |

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