



016

## Professional Irrigation

International Catalog







## PROFESSIONAL IRRIGATION SYSTEMS

[www.rain.it](http://www.rain.it)

### OUR HISTORY

RAIN was founded in 1968 as a family company and continues to be a family run business today. RAIN focus has always been to efficiently irrigate any landscape through automatic systems helping to conserve water. The company prides itself on their green credentials through a sustainable office and production facility to the innovative and technical specification of products represented and manufactured by RAIN.

Since the early seventies RAIN has been passionate about manufacturing new and innovative products. The invention of the irrigation controller

'PIOGGIATORE' by the founder of RAIN has enthused the second generation to continue with the creative spirit, which led to the development of Europe's finest engineered electric valves, battery controllers, sprinklers, injectors and accessories. Through these innovations RAIN has grown from strength to strength positng the company as a key manufacturer in the irrigation industry.

RAIN is proud to be the center of the market. Being at the pulse of the market ensures product specification, logistics and customer service are suited to the European and international customer. RAIN is now the leading European manufacturer and supplier of a range of products for the professional and DIY market.

### OFFICES

RAIN's headquarters is based in Cerro Maggiore, situated close to Milan along the Milan Malpensa motorway. The office consists of two buildings; the main office facility and manufacturing site (2500m<sup>2</sup>) and the logistic warehouse (300m<sup>2</sup>).

RAIN also has an office and warehouse facility in Casoria (NA) dedicated to servicing the central and Southern area of Italy. Internationally, the office and warehouse centre in Bordeaux, France is strategically located to serve the French and Northern European market.

 ...il cuore dell'irrigazione.



## PROFESSIONAL IRRIGATION SYSTEMS

### MISSION

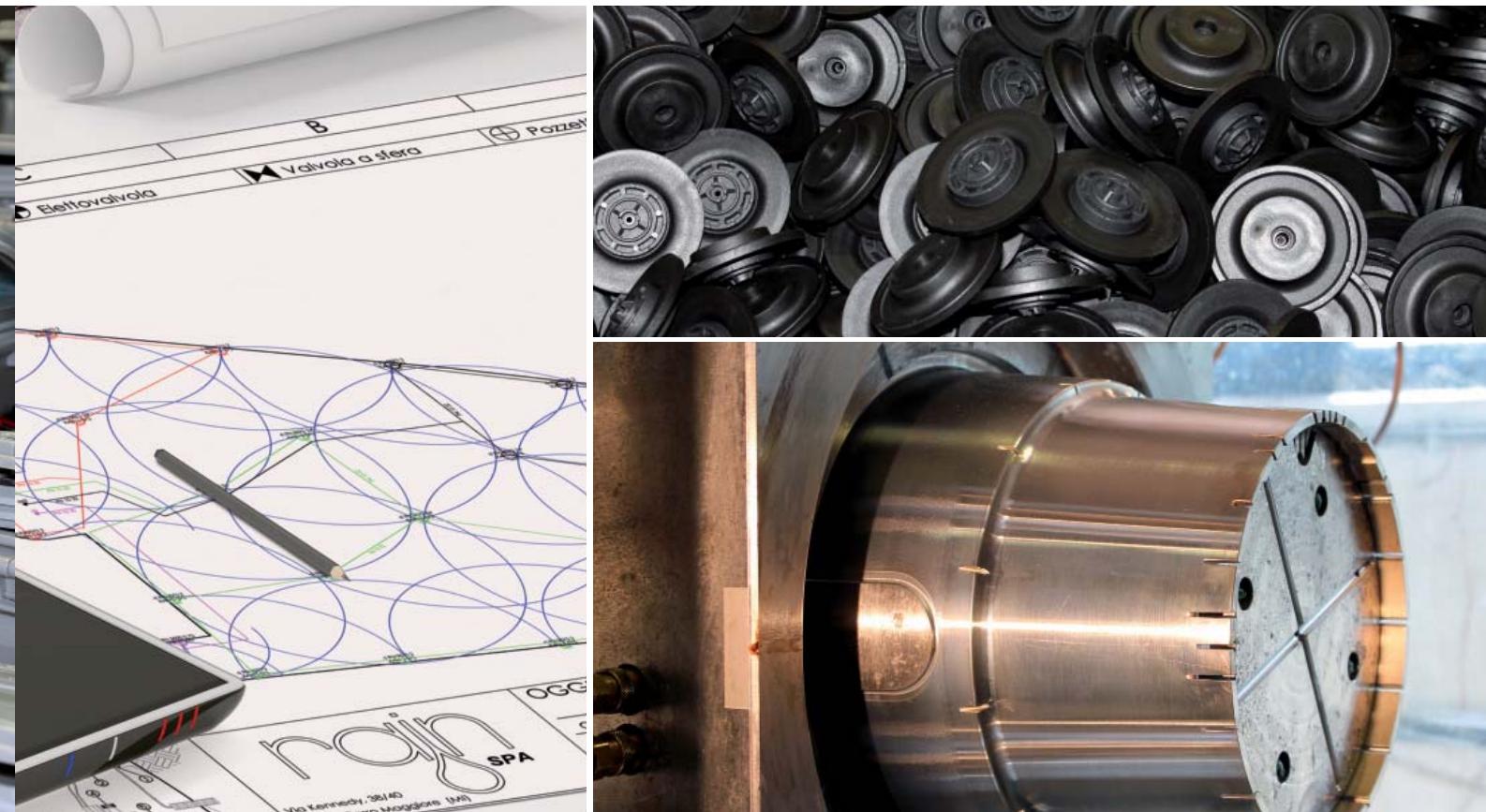
#### Innovation is at the heart of RAIN.

Our mission is to provide the customer with a high value product, excellent quality at a reasonable price point combining technical specification with ease of use.

Our customer service policy follows the customer from point of purchase to installation. Our technical staff are on hand to help with design, technical advice and installation.

INNOVATIVE IRRIGATION SYSTEMS





[www.rain.it](http://www.rain.it)

## DESIGN&PRODUCTION

RAIN is an established and respected manufacturer in the Irrigation field. Since the first controller in the seventies, to the first electric valve in the eighties RAIN has continued to strive to be the best at product design and functionality.

The seamless link between market research and product development combined with continual investment and focus has enabled RAIN to launch successful and exciting new products year on year. Rain holds 10 worldwide patents from controllers to electric valve unions.

The Cerro Maggiore facility hosts a large production site staffed by highly skilled personnel and state of the art automated engineering including injection moulding, assembly and control tests. Automation allows for higher production efficiency without compromising product consistency. The speed of production means that RAIN can respond to customer needs within days.

Product quality is at the forefront of production. Every product undergoes rigorous testing procedures and is constantly monitored by an internal on line system giving real time production status. To give an insight into quality procedure, all electric valves are tested using high and low static pressure to check opening and closing mechanism and waterproof battery controllers are submerged under water for 48 hours before starting the final working test.





1. REMOVABLE CONTROL UNIT



2. EASY READABLE SCREEN POSITION



3. 3" BACKLIT LCD DISPLAY



4. PROGRAMMING BUTTONS



## 3 PROGRAM WITH 3 SIMPLE STEPS.

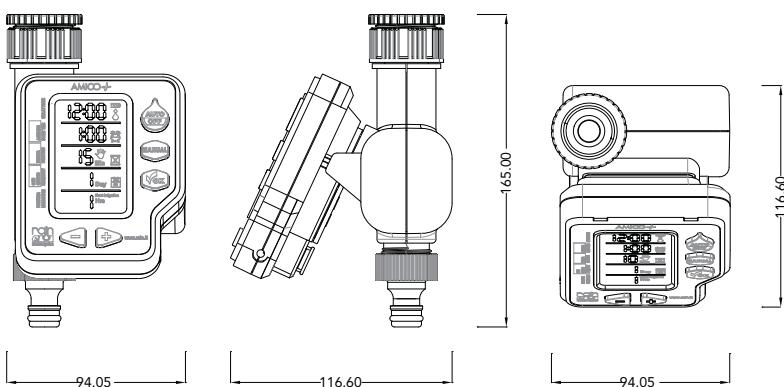
- 1 START TIME
- 2 DURATION
- 3 FREQUENCY



PRO PACK



HOME PACK



# AMICO +

## Tap Timer

### DESCRIPTION

Amico +™ tap timer has been studied to be the most user friendly and a high quality product in the market. Programming has never been so easy, the large display 3" allows to see all the data in one look. The backlit display and the large characters allow to program the controller during the day and the night.

### COMPLETE USER-FRIENDLY PROGRAMMING

- 1 program
- Run time min/max: 1/240 minutes
- Watering frequency: from every 6 hours up to once 15 days
- Current time indication
- Start time indication
- Duration of watering indication
- Frequency indication
- Next irrigation indication
- Watering countdown
- Low battery function

### TECHNICAL CHARACTERISTICS

- 1 zone
- Inlet thread ¾"-1"
- Outlet thread ¾"
- Max working pressure 8 bars
- Max flow 40 l/m
- Diaphragm 9 VDC electric valve
- Removable control unit
- ABS Body
- Hard plastic cover for LDC display protection
- Wide backlit 3" LCD display
- Powered by 2 alkaline 1.5 volt (AA)

Code	Models
200.4094501	AMICO+ (with French label) HOME PACK
200.4094502	AMICO+ (with English label) HOME PACK
200.4094503	AMICO+ (with Spanish label) HOME PACK
200.4094504	AMICO+ (with Greek label) HOME PACK
200.4094500	AMICO+ (with Italian label) HOME PACK
200.4094700	AMICO+ (with English label) PRO PACK
200.4094520	ELECTRIC VALVE AMICO+ (spare part)

# AMICO 2 +

Tap Timer

## DESCRIPTION

Amico 2 +™ tap timer has been studied to be the most user friendly and a high quality product in the market. Using the same programming of Amico +, Amico 2 + allows to set 2 different valves completely independent. The backlit display allows to program the controller during the day and the night without problems.

## COMPLETE USER-FRIENDLY PROGRAMMING

- 1 program
- Run time min/max: 1/240 minutes
- Watering frequency: from every 6 hours up to once 15 days
- Current time indication
- Start time indication
- Duration of watering indication
- Frequency indication
- Next irrigation indication
- Watering countdown
- Low battery function

## TECHNICAL CHARACTERISTICS

- 2 zone
- Inlet thread ¾"-1"
- Outlet thread ¾"
- Max working pressure 8 bars
- Max flow 40 l/m
- Diaphragm 9 VDC electric valve
- Removable control unit
- ABS Body
- Hard plastic cover for LDC display protection
- Wide backlit 3" LCD display
- Powered by 2 alkaline 1.5 volt (AA)

Code	Models
200.4044500	AMICO 2 + (with Italian label) HOME PACK
200.4044501	AMICO 2 + (with French label) HOME PACK
200.4044502	AMICO 2 + (with English label) HOME PACK
200.4044503	AMICO 2 + (with Spanish label) HOME PACK
200.4044600	AMICO 2 + (with Hebrew label) HOME PACK



1. REMOVABLE CONTROL UNIT



2. EASY READABLE SCREEN POSITION



3. 3" BACKLIT LCD DISPLAY

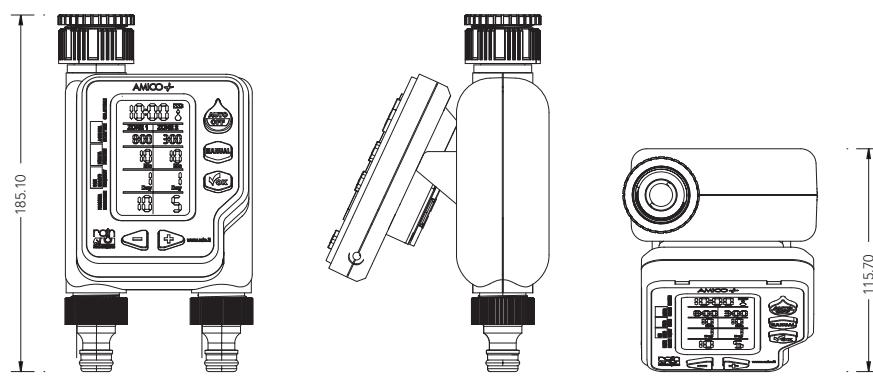


4. PROGRAMMING BUTTONS



**3** PROGRAM WITH 3 SIMPLE STEPS.

1 START TIME      2 DURATION      3 FREQUENCY



TAP TIMER

BATTERY  
CONTROLLER

CONTROLLER

SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES



1. PROGRAMMING BUTTONS



3. 3" BACKLIT LCD DISPLAY



2. EASY READABLE SCREEN POSITION



**3** PROGRAM WITH 3 SIMPLE STEPS.

**1** START TIME    **2** DURATION    **3** FREQUENCY



# AMICO PRO 9VDC IP68

IP68

Controller

## DESCRIPTION

Amico PRO has been studied to be the most user friendly and a high quality product in the market. Programming has never been so easy, the large display 3" allows to see all the data in one look. The backlit display and the large characters allow to program the controller during the day and the night.

## COMPLETE USER-FRIENDLY PROGRAMMING

- 2 program
- Run time min/max: 1/240 minutes
- Watering frequency: from every 6 hours up to once 15 days
- Current time indication
- Start time indication
- Duration of watering indication
- Frequency indication
- Next irrigation indication
- Watering countdown
- Wide backlit 3" LCD display
- Low battery function

Code	Models
200.4064502	AMICO PRO (with English label)
	AMICO PRO with electric valve RN 150 1" F (with English label)
200.4064592	AMICO PRO with electric valve RN 150 1" MxUN (with English label)





# EVO 9VDC IP68

Battery Controller

## DESCRIPTION

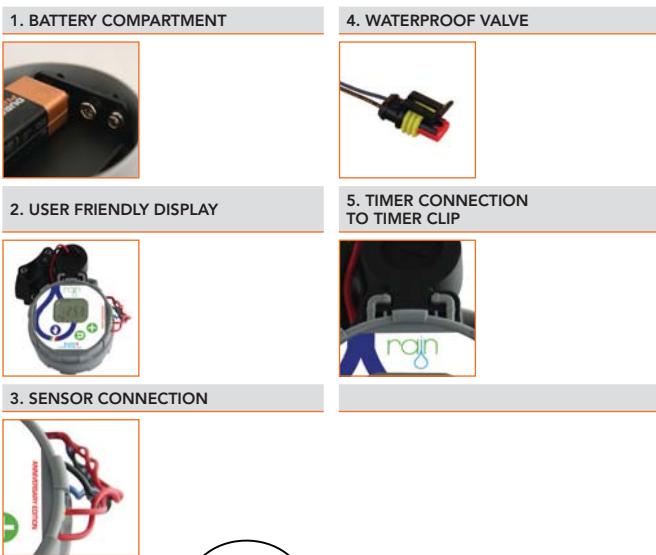
EVO battery controllers have been studied to be user friendly and a high quality products.

Programming is very easy thanks to a weekly calendar and the countdown function that allows to check in each moment the remain irrigation time. The programmable manual irrigation cycle makes easier maintenance.

Thanks to the high performance waterproof connections, preventing from electric dissipation, it's also possible to install the valve up to 50 meters from the controller. Further, sensor connection prevents from water wasting.

## FLEXIBLE USER-FRIENDLY PROGRAMMING

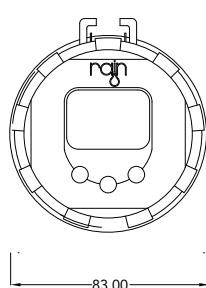
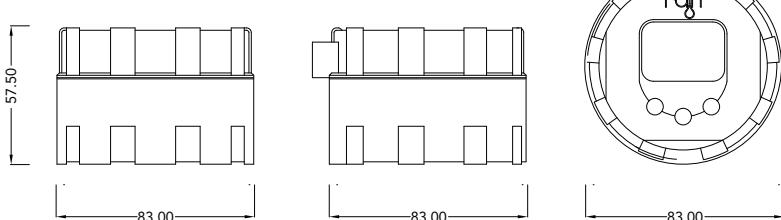
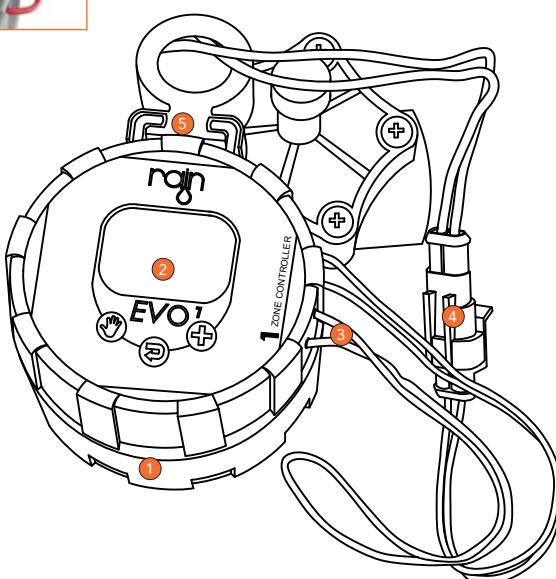
- 1 Zone
- Battery powered
- 1 Program
- 2 daily start-time
- Weekly calendar
- Run time min/max: 1/360 minutes
- Watering count-down
- Freeze-program function
- Low-battery function



## RELIABLE SOLUTION TO IRRIGATE IN REMOTE LOCATIONS

- Rubber cover
- Body in ABS
- Double OR seal
- Fully waterproof IP68
- Sensor connection
- Compatible with mechanical sensor
- Sensor active indicator
- Waterproof valve connection
- 2x9 volt alkaline batteries (not included)
- Operating 9 VDC latching solenoids only
- Solenoid wire length up to 30 m

Code	Models
165.1500000	RAIN EVO + SOLENOID 9 VDC
165.1500900	RAIN EVO + RN 150 CP 1" F
400.5701500	EXTENSION KIT 15 m
400.5703000	EXTENSION KIT 30 m



**EXTENSION**

TAP TIMER

BATTERY CONTROLLER

CONTROLLER

SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES

**1. LATCHING SOLENOID**

IDEA works with 6-40 VDC latching solenoid  
cod. 101.3507000

**2. DISPLAY**

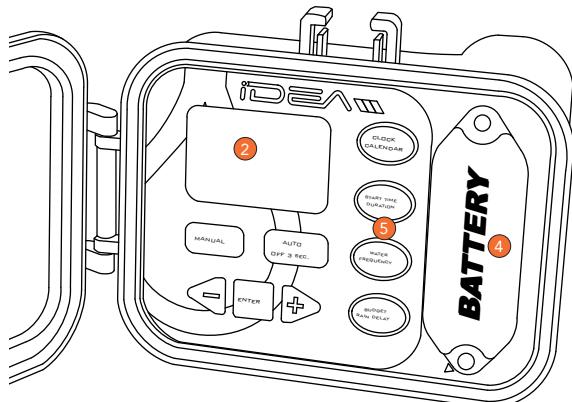
2" display with "battery saver" feature for batteries longer life

**3. WATERPROOF VALVE CONNECTION****4. BATTERY COMPARTMENT**

Double OR seal and 2 screws

**5. PROGRAM**

user friendly programming with smart buttons sequence

**6. SENSOR CONNECTION**

# IDEA 1 9VDC IP68



Battery Controller

## DESCRIPTION

IDEA controllers have been studied to be user simply and a high quality controllers. The choice of high performance materials and the attention to all the software makes the programming very easy and user friendly. Every button is related to a specific function and you can exit and return without losing the data. Everything is automatically stored inside the memory.

## FLEXIBLE USER-FRIENDLY PROGRAMMING

- 1 Zones
- Battery powered
- 1 Program
- 4 daily start-times
- Indipendent irrigation duration
- Weekly calendar
- Run time min/max: 1/100 minutes
- Watering count-down
- Freeze-program function
- Low-battery function
- Budget function (50% - 150%)

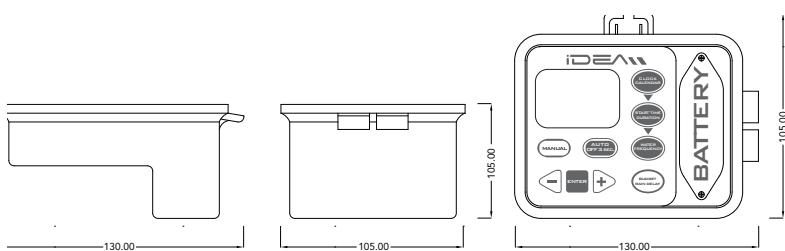
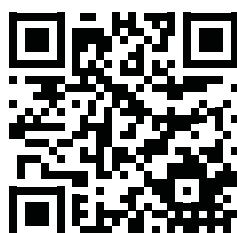
## RELIABLE SOLUTION TO IRRIGATE IN REMOTE LOCATIONS

- Body in ABS
- Double OR seal
- Fully waterproof IP68
- Sensor connection
- Compatible with mechanical sensor
- Sensor active indicator
- Waterproof valve connection
- 4x1.5 volt alkaline batteries (not included)
- Operating 9 VDC latching solenoids only
- Solenoid wire length up to 30 m

Code	Models
168.1590000	IDEA 1
168.1590900	IDEA 1 + RN 150 1" F
400.5701500	EXTENSION KIT 15 m
400.5703000	EXTENSION KIT 30 m

# 3 PROGRAM WITH 3 SIMPLE STEPS.

- 1 START TIME
- 2 DURATION
- 3 FREQUENCY



## EXTENSION



# IDEA 2 & 4 9VDC IP68

Battery Controller

## DESCRIPTION

IDEA controllers have been studied to be user simply and a high quality controllers. The choice of high performance materials and the attention to all the software makes the programming very easy and user friendly. Every button is related to a specific function and you can exit and return without losing the data. Everything is automatically stored inside the memory.

## FLEXIBLE USER-FRIENDLY PROGRAMMING

- 2 & 4 Zones
- Battery powered
- 1 Program
- 4 daily start-times
- Indipendent irrigation duration
- Weekly calendar
- Run time min/max: 1/100 minutes
- Watering count-down
- Freeze-program function
- Low-battery function
- Budget function (50% - 150%)

## RELIABLE SOLUTION TO IRRIGATE IN REMOTE LOCATIONS

- Body in ABS
- Double OR seal
- Fully waterproof IP68
- Sensor connection
- Compatible with mechanical sensor
- Sensor active indicator
- Waterproof valve connection
- 4x1.5 volt alkaline batteries (not included)
- Operating 9 VDC latching solenoids only
- Solenoid wire length up to 30 m

Code	Models
168.2590000	IDEA 2
168.4590000	IDEA 4
400.5701500	EXTENSION KIT 15 m
400.5703000	EXTENSION KIT 30 m

### 1. LATCHING SOLENOID

IDEA works with 6-40 VDC latching solenoid  
cod. 101.3507000



### 4. BATTERY COMPARTMENT

Double OR seal and 2 screws



### 2. DISPLAY

2" display with "battery saver" feature for  
batteries longer life



### 5. PROGRAM

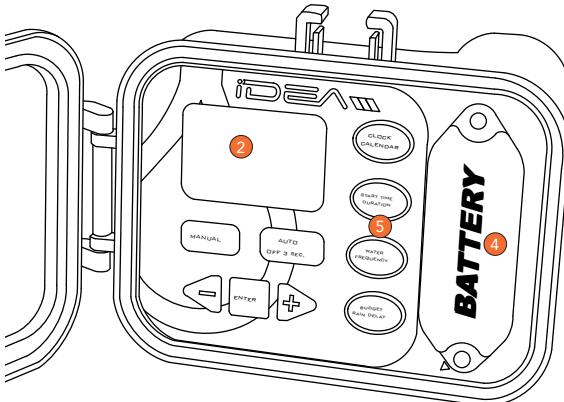
user friendly programming with smart  
buttons sequence



### 3. WATERPROOF VALVE CONNECTION



### 6. SENSOR CONNECTION

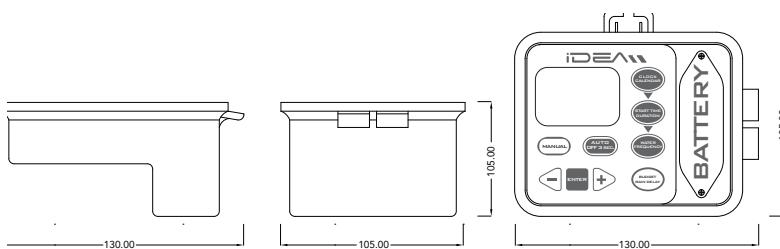
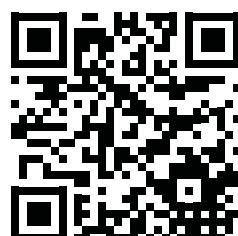


**3** PROGRAM WITH 3 SIMPLE STEPS.

**1** START TIME

**2** DURATION

**3** FREQUENCY



**EXTENSION**

TAP TIMER

BATTERY CONTROLLER

CONTROLLER

SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES



Code	Models
175.1000000	B-RAIN 1
175.2000000	B-RAIN 2
175.4000000	B-RAIN 4
175.6000000	B-RAIN 6
175.1500900	B-RAIN 1 + EV

## B-RAIN 9VDC IP68

IP68

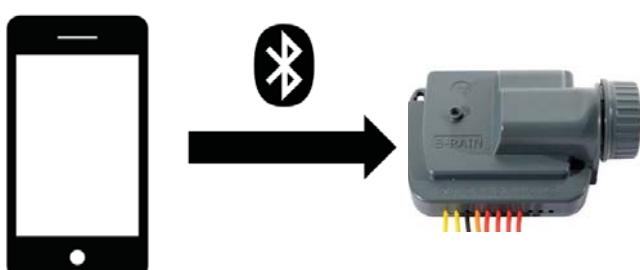
Controller

### DESCRIPTION

With an IP68 rating, B-Rain modules are designed for installation in a valve box. Available in 1, 2, 4 and 6 stations, they are easy to program with a Smartphone (iOS or Android) with Wi-Fi.

### TECHNICAL CHARACTERISTICS

- Bluetooth Low Energy Communication
- Rated IP68: 100% water proof and fully submersible
- Water proof and independant battery housing
- Can be installed indoor, outdoor or in available for function
- Start/Stop programmable function
- Non volatile memory will save programming in case of power failure
- 1 - 2 - 4 - 6 stations
- Master valve connection (Except for the B-RAIN 1)
- Rain sensor connection
- Bluetooth range: about 10 meters Electrical
- Works with 9V latching solenoid latching solenoid
- Maximum distance between the module and solenoid is 30 m
- with 1,5mm<sup>2</sup> wire size
- Dimensions : Width :14cm Height :5,5cm Depth :9cm



## APP B-RAIN

App

### IOS

B-Rain is the new frontier of programming for your irrigation system!

With this free app, your iPhone / iPad / iPod touch becomes a control panel that allows you to real-time configure any irrigation program, comfortably from your hands.

With the Bluetooth connection, you just have to get closer than 15 meters from the Controller B-RAIN, installed directly inside the valve box thanks to its robust and 100% waterproof body, to synchronize the scheduling of electric valves and of all other devices connected to your system.

### ANDROID

B-Rain is the new frontier of programming for your irrigation system!

With this free app, your smartphone and tablet becomes a control panel that allows you to real-time configure any irrigation program, comfortably from your hands.

With the Bluetooth connection, you just have to get closer than 15 meters from the Controller B-RAIN, installed directly inside the valve box thanks to its robust and 100% waterproof body, to synchronize the scheduling of electric valves and of all other devices connected to your system.

With this app you can:

- carry out a complete configuration of the durations and start times of your irrigation, divided by areas
- enable real-time manual start and stop
- check the connection level and the battery status of the Controller B-RAIN
- add the security password to connect Android devices to the Controller
- handle up to 200 Controller B-RAIN using the same account



# C-DIAL 9VDC INDOOR

Controller

## DESCRIPTION

C-DIAL is a new and unique electronic controller 4-6 station indoor for residential application. The C-dial family is available at the same price both 24 VAC or 9 VDC solenoid.

It follows the Rain's controllers philosophy and it allows to easily set the programming in 3 steps: start time, duration, frequency.



1. NEW PROGRAMMING METHOD



3. COVER



2. BATTERY COMPARTMENT



4. 3" LCD SCREEN



**3** PROGRAM WITH 3 SIMPLE STEPS.

**1** START TIME    **2** DURATION    **3** FREQUENCY



HOME PACK



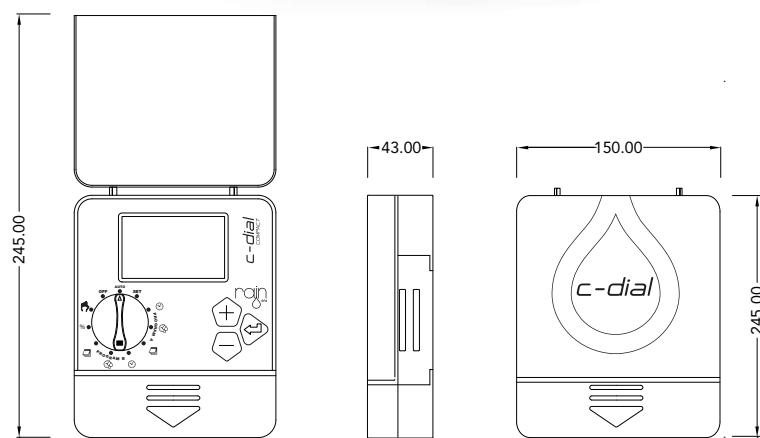
PRO PACK

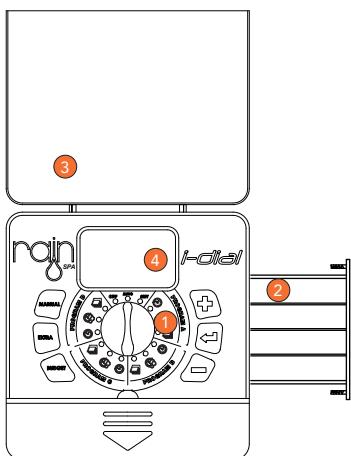
## TECHNICAL CHARACTERISTICS

- 4 - 6 stations models
- Indoor Model
- Operating 9 VDC latching solenoids only
- Electrical Power Supply 4 x 1.5 volt AA alkaline batteries (not included)
- 2 independent programs
- 2 independent start times (1 per each program)
- Run Times: 1 min. to 240 min per station
- Next start time visualization
- Watering cycles: from 4 per day, up to 1 each 19 days
- Watering Schedule: 7 day calendar
- Water Budgeting Mode from 10% to 200%
- Rain Sensor Inlet
- Freeze-program function (OFF)
- Low-battery function
- Permanent Memory. It saves programs also without power

Code	Models
200.4181410	C-DIAL 9 VOLT 4 ZONE INDOOR - PRO PACK
200.4181610	C-DIAL 9 VOLT 6 ZONE INDOOR - PRO PACK
300.4181410	C-DIAL 9 VOLT 4 ZONE INDOOR - HOME PACK
300.4181610	C-DIAL 9 VOLT 6 ZONE INDOOR - HOME PACK

HOME VERSION





1. NEW PROGRAMMING METOD



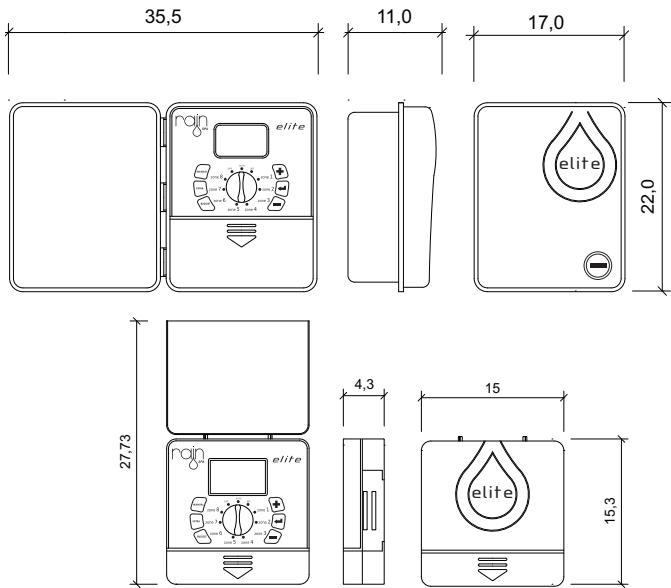
2. BATTERY COMPARTMENT



3. COVER



4. 3" BACK LIGHT LCD SCREEN



# ELITE INDOOR/OUTDOOR

Controller 9 Vdc Latch

## DESCRIPTION

ELITE is a new and unique controller 4-6-8-10 stations based on independent zone setting. Each station has independent of start times, durations and frequencies and FERTILIZER settings. If activated the FERTILIZER function generates an extra output for managing the fertilizing system. It works on a percentage (from 0% to 90%) of the duration set on each zone. Each station has 4 start times linked to an independent duration and an independent frequency.

## TECHNICAL CHARACTERISTICS

- 4-6-8-10 stations
- Indoor & Outdoor version
- 9 VDC Latching version. 4 x 1.5V AA cells (not included)
- Independent program for each station
- 4 start times per each station
- Run Time from 1 to 240 minutes
- Fertilizer Output from 0% to 90% with 10% steps
- Watering Cycles per each station : from 4 per day, up to 1 every 15 days
- Next Start Time Visualization
- Water Budgetting Function. From 10% to 200%
- Rain Sensor Inlet, programmable per each station
- Freeze-Program Function (OFF)
- Wide backlit 3" LCD display
- Low Battery Function
- Permanent Memory. It saves programs also when without power

Code	Models
200.4581410	ELITE 4 ZONE 9 VDC INDOOR
200.4581610	ELITE 6 ZONE 9 VDC INDOOR
200.4581810	ELITE 8 ZONE 9 VDC INDOOR
200.4581110	ELITE 10 ZONE 9 VDC INDOOR
200.4581340	ELITE 4 ZONE 9 VDC OUTDOOR
200.4581360	ELITE 6 ZONE 9 VDC OUTDOOR
200.4581380	ELITE 8 ZONE 9 VDC OUTDOOR
200.4581310	ELITE 10 ZONE 9 VDC OUTDOOR

OUTDOOR VERSION





1. NEW PROGRAMMING METHOD



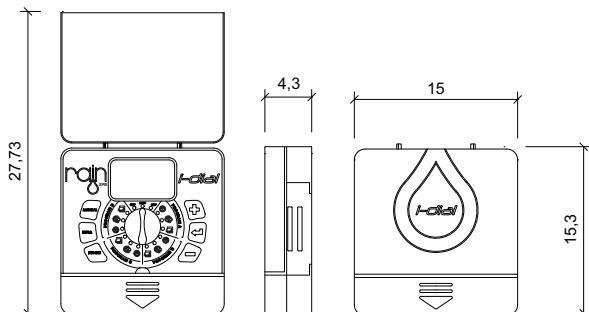
3. COVER



2. BATTERY COMPARTMENT



4. 3" BACKLIT LCD SCREEN



**3** PROGRAM WITH 3 SIMPLE STEPS.

- 1 START TIME
- 2 DURATION
- 3 FREQUENCY



# I-DIAL 9VDC INDOOR

Controller

## DESCRIPTION

I-DIAL is a new and unique electronic controller 4-6-8 station indoor for residential application. The I-dial family is available at the same price both 24 VAC or 9 VDC solenoid.

It follows the Rain's controllers philosophy and it allows to easily set the programming in 3 steps: start time, duration, frequency.

## TECHNICAL CHARACTERISTICS

- 4 - 6 - 8 stations models
- Indoor Model
- Operating 9 VDC latching solenoids only
- Electrical Power Supply 4 x 1.5 volt AA alkaline batteries (not included)
- 4 independent programs
- 4 independent start times (1 per each program)
- Run Times: 1 min. to 240 min per station
- Next start time visualization
- Watering cycles: from 4 per day, up to 1 each 19 days
- Watering Schedule: 7 day calendar with individual day selection, or 1 to 19 day interval watering
- Water Budgeting Mode from 10% to 200%
- Wide backlit 3" LCD display
- Rain Sensor Inlet, programmable per each station
- Freeze-program function (OFF)
- Low-battery function
- Permanent Memory. It saves programs also without power

Code	Models
200.4081410	I-DIAL 9 VOLT 4 ZONE INDOOR - PRO PACK
200.4081610	I-DIAL 9 VOLT 6 ZONE INDOOR - PRO PACK
200.4081810	I-DIAL 9 VOLT 8 ZONE INDOOR - PRO PACK
300.4081410	I-DIAL 9 VOLT 4 ZONE INDOOR - HOME PACK
300.4081610	I-DIAL 9 VOLT 6 ZONE INDOOR - HOME PACK
300.4081810	I-DIAL 9 VOLT 8 ZONE INDOOR - HOME PACK



PRO PACK



**4**  
STAZIONI  
STATIONS

**6**  
STAZIONI  
STATIONS

**8**  
STAZIONI  
STATIONS



1. NEW PROGRAMMING METHOD



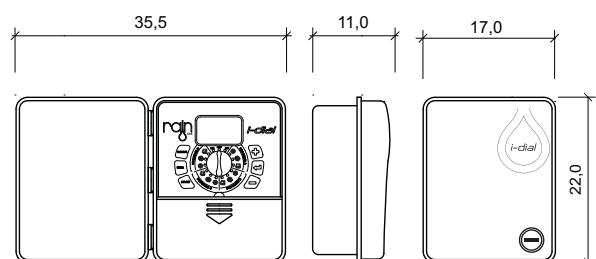
2. BATTERY COMPARTMENT



3. COVER



4. 3" BACKLIT LCD SCREEN



**3** PROGRAM WITH 3 SIMPLE STEPS.

- 1** START TIME
- 2** DURATION
- 3** FREQUENCY



# I-DIAL 9VDC OUTDOOR



Controller

## DESCRIPTION

I-DIAL is a new and unique electronic controller 4-6-8 station outdoor for residential application. The I-dial family is available at the same price both 24 VAC or 9 VDC solenoid. It follows the Rain's controllers philosophy and it allows to easily set the programming in 3 steps: start time, duration, frequency.

## TECHNICAL CHARACTERISTICS

- 4 - 6 - 8 stations models
- Outdoor Model
- Operating 9 VDC latching solenoids only
- Electrical Power Supply 4 x 1.5 volt AA alkaline batteries (not included)
- 4 independent programs
- 4 independent start times (1 per each program)
- Run Times: 1 min. to 240 min per station
- Next start time visualization
- Watering cycles: from 4 per day, up to 1 each 19 days
- Watering Schedule: 7 day calendar with individual day selection, or 1 to 19 day interval watering
- Water Budgeting Mode from 10% to 200%
- Rain Sensor Inlet, programmable per each station
- Wide backlit 3" LCD display
- Freeze-program function (OFF)
- Low-battery function
- Permanent Memory. It saves programs also without power

Code	Models
200.4081340	I-DIAL 9 VOLT 4 ZONE OUTDOOR
200.4081360	I-DIAL 9 VOLT 6 ZONE OUTDOOR
200.4081380	I-DIAL 9 VOLT 8 ZONE OUTDOOR





# C-DIAL 24 VAC INDOOR



1. NEW PROGRAMMING METHOD



3. COVER



2. BATTERY COMPARTMENT



4. 3" LCD SCREEN



**3** PROGRAM WITH 3 SIMPLE STEPS.

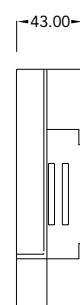
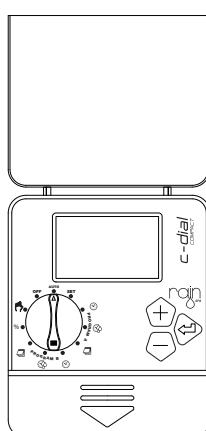
**1** START TIME

**2** DURATION

**3** FREQUENCY



245,00



HOME PACK

PRO PACK

Controller

## DESCRIPTION

C-DIAL is a new and unique electronic controller 4-6 station indoor for residential application. The C-dial family is available at the same price both 24 VAC or 9 VDC solenoid. It follows the Rain's controllers philosophy and it allows to easily set the programming in 3 steps: start time, duration, frequency.

## TECHNICAL CHARACTERISTICS

- 4 – 6 stations models
- Indoor Models with External Transformer
- Electrical Power Supply: 220 VAC 50Hz
- Electrical Outputs: 24 Volts AC, 0.8 AMP
- 2 independent programs
- 2 independent start times (1 per each program)
- Next start time visualization
- Run Times: 1 min. to 240 min per station
- Watering cycles: from 4 per day up to 1 per week
- Watering Schedule: 7 day calendar with individual day selection
- Water Budgeting Mode from 10% to 200%
- Master Valve/Pump 24 VAC outlet can be enabled or disabled by station.
- Power Failure: 2 x 1.5 volt AA alkaline battery permanently maintains programs. (not included)
- Rain Sensor Inlet
- Freeze-program function (OFF)
- Low-battery function
- Pump Start Relay
- Permanent Memory Saves programs during power outages

Code	Models
200.4180410	C-DIAL 24 VOLT 4 ZONE INDOOR - PRO PACK
200.4180610	C-DIAL 24 VOLT 6 ZONE INDOOR - PRO PACK
300.4711400	C-DIAL 24 VOLT 4 ZONE INDOOR - HOME PACK
300.4711600	C-DIAL 24 VOLT 6 ZONE INDOOR - HOME PACK

TAP TIMER

BATTERY  
CONTROLLER

CONTROLLER

SENSOR

ELECTRIC VALVES  
SPRINKLER

FITTINGS

ACCESSORIES



1. NEW PROGRAMMING METHOD



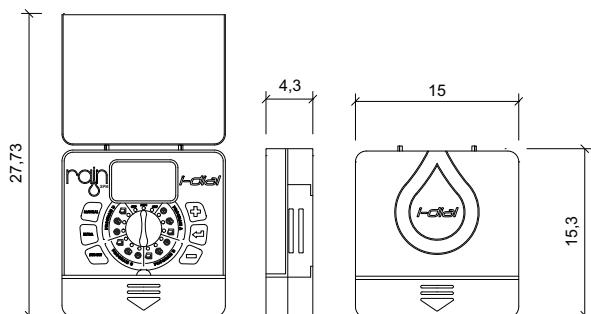
3. COVER



2. BATTERY COMPARTMENT



4. 3" BACKLIT LCD SCREEN



**3** PROGRAM WITH 3 SIMPLE STEPS.

- 1 START TIME
- 2 DURATION
- 3 FREQUENCY



# I-DIAL 24 VAC INDOOR



Controller

## DESCRIPTION

I-DIAL is a new and unique electronic controller 4-6-8 station indoor for residential application. The I-dial family is available at the same price both 24 VAC or 9 VDC solenoid. It follows the Rain's controllers philosophy and it allows to easily set the programming in 3 steps: start time, duration, frequency.

## TECHNICAL CHARACTERISTICS

- 4 – 6 - 8 stations models
- Indoor Models with External Transformer
- Electrical Power Supply: 220 VAC 50Hz
- Electrical Outputs: 24 Volts AC, 0.8 AMP
- 4 independent programs
- 4 independent start times (1 per each program)
- Next start time visualization
- Run Times: 1 min. to 240 min per station
- Watering cycles: from 4 per day up to 1 per week
- Watering Schedule: 7 day calendar with individual day selection, or 1 to 19 day interval watering
- Water Budgeting Mode from 10% to 200%
- Master Valve/Pump 24 VAC outlet can be enabled or disabled by station.
- Power Failure: 2 x 1.5 volt AA alkaline battery permanently maintains programs. (not included)
- Rain Sensor Inlet, programmable per each station
- Freeze-program function (OFF)
- Wide backlit 3" LCD display
- Low-battery function
- Pump Start Relay connection enabled
- Permanent Memory Saves programs during power outages

Code	Models
200.4080410	I-DIAL 24 VOLT 4 ZONE INDOOR - PRO PACK
200.4080610	I-DIAL 24 VOLT 6 ZONE INDOOR - PRO PACK
200.4080810	I-DIAL 24 VOLT 8 ZONE INDOOR - PRO PACK
300.5711400	I-DIAL 24 VOLT 4 ZONE INDOOR - HOME PACK
300.5711600	I-DIAL 24 VOLT 6 ZONE INDOOR - HOME PACK
300.5711800	I-DIAL 24 VOLT 8 ZONE INDOOR - HOME PACK

## PRO PACK





# I-DIAL 24 VAC OUTDOOR



**4**  
STATIONS

**6**  
STATIONS

**8**  
STATIONS



Controller

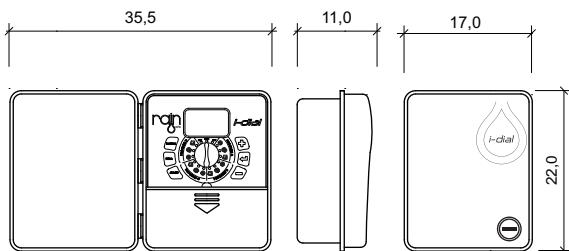
## DESCRIPTION

I-DIAL is a new and unique electronic controller 4-6-8 station outdoor for residential application. The I-dial family is available at the same price both 24 VAC or 9 VDC solenoid. It follows the Rain's controllers philosophy and it allows to easily set the programming in 3 steps: start time, duration, frequency.

## TECHNICAL CHARACTERISTICS

- 4 – 6 - 8 stations models
- Outdoor Model with Internal Transformer
- Electrical Power Supply: 220 VAC 50Hz
- Electrical Outputs: 24 Volts AC, 1.0 AMP
- 4 independent programs
- 4 independent start times (1 per each program)
- Next start time visualization
- Run Times: 1 min. to 240 min per station
- Watering cycles: from 4 per day up to 1 per week
- Watering Schedule: 7 day calendar with individual day selection, or 1 to 19 day interval watering
- Water Budgeting Mode from 10% to 200%
- Master Valve/Pump 24 VAC outlet can be enabled or disabled by station.
- Power Failure: 2 x 1.5 volt AA alkaline battery permanently maintains programs. (not included)
- Rain Sensor Inlet, programmable per each station
- Freeze-program function (OFF)
- Wide backlit 3" LCD display
- Low-battery function
- Pump Start Relay connection enabled
- Permanent Memory Saves programs during power outages

Code	Models
200.4083410	I-DIAL 24 VOLT 4 ZONE OUTDOOR
200.4083610	I-DIAL 24 VOLT 6 ZONE OUTDOOR
200.4083810	I-DIAL 24 VOLT 8 ZONE OUTDOOR



**3** PROGRAM WITH 3 SIMPLE STEPS.  
1 START TIME    2 DURATION    3 FREQUENCY



TAP TIMER  
CONTROLLER

BATTERY  
CONTROLLER

CONTROLLER

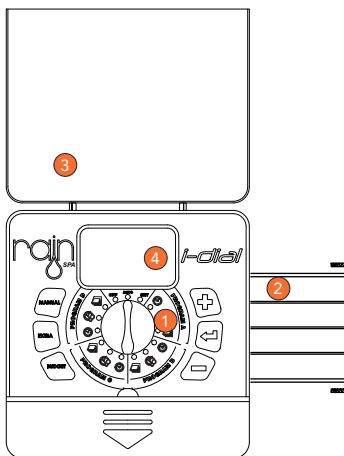
SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES



1. NEW PROGRAMMING METOD



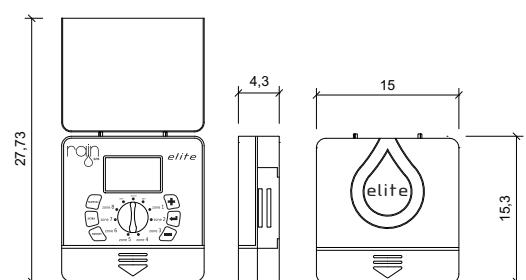
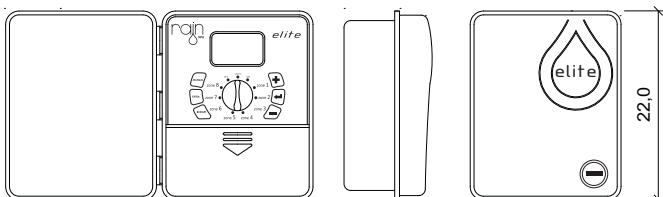
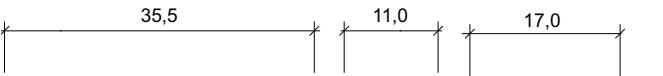
3. COVER



2. BATTERY COMPARTMENT



4. 3" BACK LIGHT LCD SCREEN



# ELITE INDOOR/OUTDOOR

Controller 24 Vac

## DESCRIPTION

ELITE is a new and unique controller 4-6-8-10 stations based on independent zone setting.

Each station has independent of start times, durations and frequencies and FERTILIZER settings.

If activated the FERTILIZER function generates an extra output for managing the fertilizing system.

It works on a percentage (from 0% to 90%) of the duration set on each zone.

Each station has 4 start times linked to an independent duration and an independent frequency.

## TECHNICAL CHARACTERISTICS

- 4-6-8-10 stations
- Indoor & Outdoor version
- 24 Vac version. Transformer included & 2 x 1.5V AA cells for back up memory (not included)
- Independent program for each station
- 4 start times per each station
- Run Time from 1 to 240 minutes
- Fertilizer Output from 0% to 90% with 10% steps
- Watering Cycles per each station : from 4 per day, up to 1 every 15 days
- Next Start Time Visualization
- Water Budgetting Function. From 10% to 200%
- Rain Sensor Inlet, programmable per each station
- Freeze-Program Function (OFF)
- Wide backlit 3" LCD display
- Low Battery Function
- Permanent Memory. It saves programs also when without power

Code	Models
200.4580410	ELITE 4 ZONE 24 VAC INDOOR
200.4580610	ELITE 6 ZONE 24 VAC INDOOR
200.4580810	ELITE 8 ZONE 24 VAC INDOOR
200.4581010	ELITE 10 ZONE 24 VAC INDOOR
200.4583410	ELITE 4 ZONE 24 VAC OUTDOOR
200.4583610	ELITE 6 ZONE 24 VAC OUTDOOR
200.4583810	ELITE 8 ZONE 24 VAC OUTDOOR
200.4583110	ELITE 10 ZONE 24 VAC OUTDOOR

OUTDOOR VERSION



# RAIN STOP

Rain Sensor

## DESCRIPTION

RainSTOP is an electronic rain sensor. All its components are high quality electronics from Japan. Its working principle is studied to start to work immediatly in case of rain. Rainstop stops irrigation as soon as 4 mm of precipitation are reached, preventing the irrigation system from working while it is raning.

## TECHNICAL INFORMATION

Rainstop is available:

- Rainstop 3 wires and Rainstop 4 wires.
- The tree wires of Rainstop 3 allow to connect a rain sensor to all 24 vac controllers as it is not needed for its installation to have a sensor dedicated port on the controller.
- Rainstop 4 (four) wires is the professional rain sensor for the 24 vac controllers equipped with sensor control feature.



## SPECIFICATIONS

- Electronic sensor
- Voltage from 24 VAC to 30 VAC
- Push-rods in stainless steel
- Working start 4 mm
- Complete isolation of electronic form
- Regulation of liquid drain
- Packed piece by piece

Code	Models
210.5001000	RAIN STOP 3 WIRES
210.5002000	RAIN STOP 4 WIRES



Code	Models
210.5005300	SENSOR RM

# RM

Rain Sensor

## DESCRIPTION

The Rain Sensor prevents your automatic sprinkler system from watering during a rain. The rain sensor is adjustable to accommodate rainfall from 1/8 In. to 1 In. The freeze sensor reduces hazards and damage to your pipes from freezing water. control feature.

## SPECIFICATIONS

- Adjustable to 1/8", 1/4", 1/2", 3/4", 1"
- Hygroscopic discs absorb water to
- RX-1.5F model shuts off during rainfall
- For use with all types of 24Volt
- 30 feet of connection wire included
- Models include 1/2" NPT and 1/2" slip



TAP TIMER  
BATTERY

CONTROLLER  
CONTROLLER

SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES



Adaptor for Hunter™ electric valves



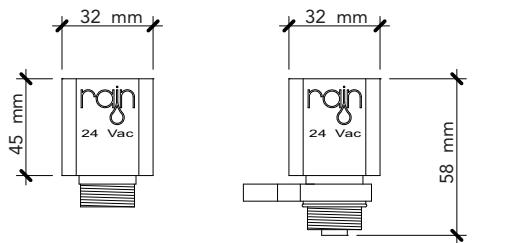
Adaptor for RainBird™ electric valves

# SOLENOID

## TECHNICAL FEATURES

Rain is proud to present the new range of solenoids valves equipped with an adaptor to open and close the valve manually with internal bleed. This improvement makes the opening and closing operation easier and safer. This changing interests also solenoid's thread: it is now a 3/4-20 UNF standard. The design of the adaptor and the handle allow a more comfortable opening and closing of the valves, mostly in uncomfortable situation like in valve boxes.

Code	Models
101.1001101	24V/50 - 60 Hz C.A.
101.1005001	24 VDC
101.1006001	12 VAC
101.1004001	12 VDC
101.3507000	6-40 VDC LATCHING
101.4901000	ADAPTOR FOR HUNTER™ ELECTRIC VALVES
101.4902000	ADAPTOR FOR RAIN BIRD™ ELECTRIC VALVES



low flow

RN 145 - LOSS OF CHARGE  
(in bar)

	1/2"	3/4"
10 l/min	0.28	0.20
15 l/min	0.52	0.45
20 l/min	0.80	0.70
25 l/min	0.92	0.81
30 l/min	0.95	0.85
35 l/min	0.98	0.89
40 l/min	1.10	0.95

# RN 145

Electric valves

## DESCRIPTION

Rain RN145 is the family of electric valve dedicated mains to micro drip irrigation and for all the applications in low flow condition. Reliable and small, RN145 is a very compact valve thanks also to the built-in solenoid solution. This line of electric valves can count on 6 (six) versions from 1/2" up to 3/4" with the male thread or even the unique Rain solution of the union connection.

## TECHNICAL INFORMATION

- BSP thread
- Solenoid certificate CE
- Solenoide Protecion IP 68 9
- Questra® upper body
- PA 6 30% fiberglass lower body
- Flow rate: from 10 l/min to 25 l/min

## OPERATING CONDITIONS

- Pressure: min 1.0 bar - max 8.0 bar
- Temperature: +4° C/70° C Available Versions
- Standard solenoid: 24 VAC

Code	Models
100.1450510	RN 145 1/2" M 24 VAC
100.1450511	RN 145 1/2" M X PG16 24 VAC
100.1450710	RN 145 3/4" M 24 VAC
100.1450711	RN 145 3/4" M X PG20 24 VAC



Code	Models
100.4600915	RN 150 1" M X UNION 24VAC
100.4600916	RN 150 1" UN X UNION 24VAC
100.4400915	RN 150 1" M X UN W/FC 24VAC
100.4400916	RN 150 1" UN X UN W/FC 24VAC
100.3000915	JAR TOP 1" M C/UN 24VAC
100.1560915	RN 155PLUS 1" M X UN 24VAC
100.1560916	RN 155PLUS 1" M X UN W/FC 24VAC
100.5701516	RN 160PLUS 1" 1/2 MXUN W/FC 24VAC
100.5701716	RN 160PLUS 2" MXUN W/FC 24VAC

# UNION VALVES

Electric valves

## DESCRIPTION

The Rain Easy Fit patented solenoid valve system is a unique idea suitable for the global solenoid valve market. The system allows installation without the use of keys, glues or teflon tape. The preinstalled union grip is held by OR rubber mounted on the solenoid valve and manifold. It ensures complete tightness and security of the valve position and makes installation a simple process for the professional installer. This saves time and ultimately money.

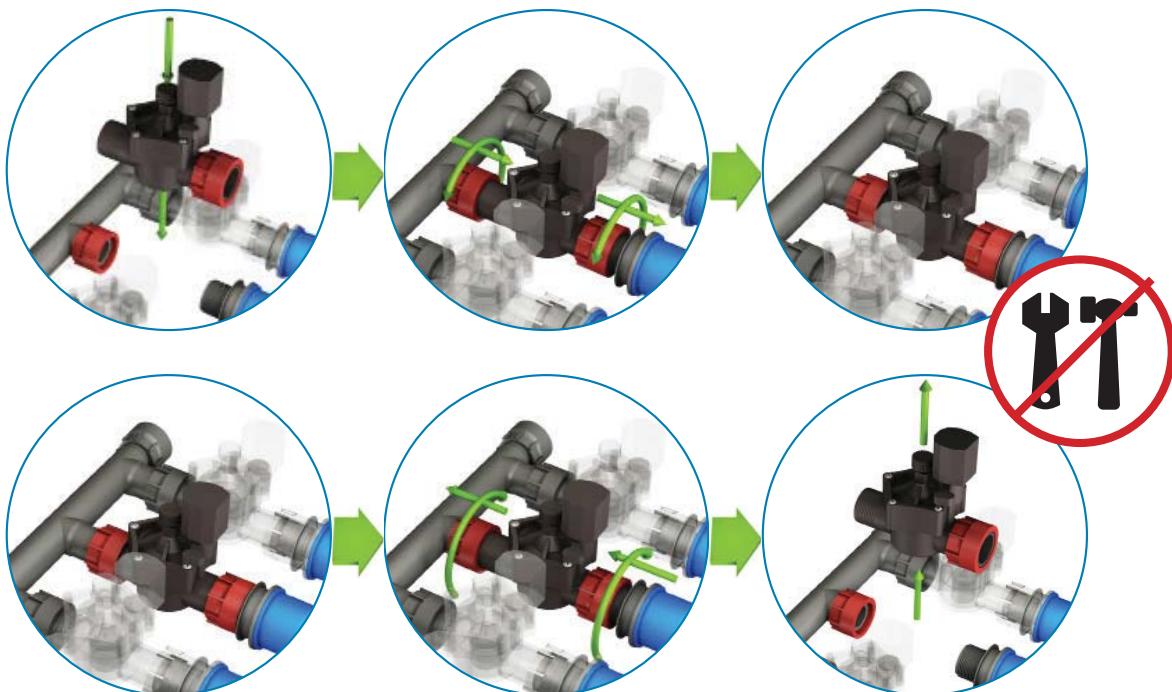
## TECHNICAL INFORMATION

- PA 6 30% fiberglass
- Single-piece diaphragm for reliable leak-free valve closing
- Self cleaning stainless-steel metering pin
- Stainless-steel diaphragm differential spring for smooth closing
- Solenoid certificate CE, IP 68 9 PN12 tested piece by piece at 14 bar
- Bleed handle for manual opening with internal bleed
- Energy efficient solenoid 0.2 amp, 4.8 VAC
- Standard solenoid: 24 VAC
- Available solenoid 12 VDC; 24 VDC; 110 VAC; 9 (6-40) VDC Latching
- Flow Control

## OPERATING CONDITIONS

- Pressure: min 1.0 bar - max 12.0 bar
- Temperature: +4° C/70° C

## AVAILABLE ALSO IN THE UNIQUE PATENTED VERSION WITH EASY UNION CONNECTION





1. BLEED HANDLE FOR MANUAL OPENING



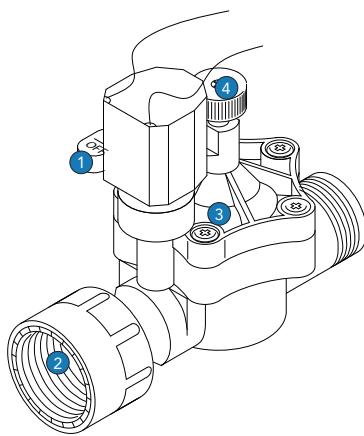
3. SINGLE PIECE CO-INJECTED DIAPHRAGM



2. THREADS AVAILABLE: MALE, FEMALE, UNION



4. FLOW CONTROL AVAILABLE



RN 150 - LOSS OF CHARGE (in bar)

	1/2"	3/4"	1"
20 l/min	0.35	0.35	0.30
30 l/min	0.52	0.52	0.45
40 l/min	0.70	0.60	0.60
50 l/min	0.80	0.80	0.70
60 l/min	0.80	0.80	0.70
70 l/min	0.85	0.85	0.75
80 l/min	0.95	0.95	0.85
90 l/min	1.05	1.05	0.95

# RN 150

Electric valves

## DESCRIPTION

Rain is very proud to introduce new versions of the well known family of the electric valves RN150.

Thanks to a long study of the fluid's dynamic this small dimension doesn't prejudice the loss of charge, that remains low until more than 35 liters per minute.

The wide range of possible combinations and the extremely competitive price, makes this valve economic ad suitable for differente kind of installations, in small and medium residential applications.

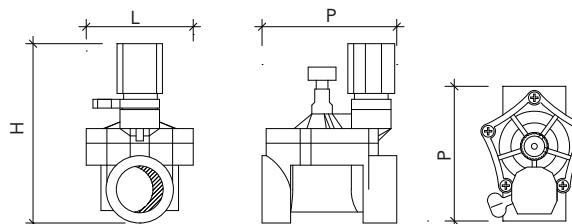
## TECHNICAL INFORMATION

- PA 6 30% fiberglass
- Single-piece diaphragm for reliable leak-free valve closing
- Self cleaning stainless-steel metering pin
- Stainless-steel diaphragm differential spring for smooth closing
- Solenoid certificate CE, IP 68 9 PN12 tested piece by piece at 14 bar
- Bleed handle for manual opening with internal bleed
- Energy efficient solenoid 0,2 amp, 4,8 VAC
- Standard solenoid: 24 VAC
- Available solenoid 12 VDC; 24 VDC; 110 VAC; 9 (6-40) VDC Latching
- Flow Control

## OPERATING CONDITIONS

- Pressure: min 1.0 bar - max 12.0 bar
- Temperature: +4° C/70° C
- Flow rate: from 20 l/min to 50 l/min

Code	Models
100.4600710	RN 150 3/4" M 24VAC
100.4600910	RN 150 1" M 24VAC
100.4800710	RN 150 3/4" F 24 VAC
100.4800910	RN 150 1" F 24 VAC
100.4500511	RN 150 1/2" F W/FC 24VAC
100.4400711	RN 150 3/4" M W/FC 24VAC
100.4400911	RN 150 1" M W/FC 24VAC
100.4500711	RN 150 3/4" F W/FC 24VAC
100.4500911	RN 150 1" F W/FC 24VAC



RN 150 - DIMENSIONS (in cm)

	3/4" M	1" M	1/2" F	3/4" F
H	11.4	11.4	11.4	11.4
P	11.5	11.6	9.2	9.2
L	7.1	7.1	7.1	7.1

RN 150 - DIMENSIONS (in cm)

	1" F	1" M x U	1" U x U
H	11.4	11.4	11.4
P	9.2	12.8	14.1
L	7.1	7.1	7.1

# JAR-TOP

Electric valves

## DESCRIPTION

Rain's wide range of electric-valves is completed by the this family, studied for the professional contractor.

In fact the Jar-Top valve combines the most appreciated features: reliability and easy installation and product maintenance.

Reliability is ensured by high quality raw material: polyamide, TPE and AISI L stainless steel. The exceptional quickness of installation is guaranteed by the manifold system, model worldwide Rain's exclusive.

Thanks to the Jar-Top concept cleaning the valve is now easier than ever.

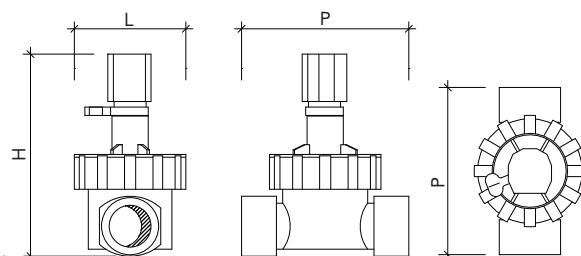
## TECHNICAL INFORMATION

- PA 6 30% fiberglass
- Single-piece diaphragm for reliable leak-free valve closing
- Self cleaning stainless-steel metering pin
- Stainless-steel diaphragm differential spring for smooth closing
- Solenoid certificate CE, IP 68 9
- PN12 tested piece by piece at 14 bar
- Bleed handle for manual opening with internal bleed
- Energy efficient solenoid 0,2 amp, 4,8 VAC
- Standard solenoid: 24 VAC
- Available solenoid 12 VDC; 24 VDC; 110 VAC; 9 (6-40) VDC Latching
- On request are also available NPT thread version: 1" F cod. 100.3210910

## OPERATING CONDITIONS

- Pressure: min 1.0 bar - max 12.0 bar
- Temperature: +4° C/70° C
- Flow rate: from 20 l/min to 70 l/min

Code	Models
100.3000710	JAR-TOP 3/4" M 24VAC
100.3200710	JAR TOP 3/4" F 24VAC
100.3000910	JAR-TOP 1" M 24VAC
100.3200910	JAR TOP 1" F 24VAC



RN JAR-TOP - LOSS OF CHARGE (in bar)

	3/4"	1"	1" MxU
30 l/min	0.38	0.28	0.33
45 l/min	0.38	0.30	0.34
60 l/min	0.40	0.30	0.35
75 l/min	0.40	0.35	0.35
90 l/min	0.46	0.40	0.40
105 l/min	0.52	0.40	0.45
120 l/min	0.62	0.50	0.56
135 l/min	0.71	0.60	0.65

JAR - TOP - DIMENSIONS (in cm)

	3/4" M	1" M	3/4" F	1" F	1" M x U
H	14.0	14.0	14.0	14.0	14.0
P	11.6	12.1	12.0	12.0	13.0
L	8.0	8.0	8.0	8.0	8.0



1. BLEED HANDLE FOR MANUAL OPENING INTEGRATED IN VALVE BODY



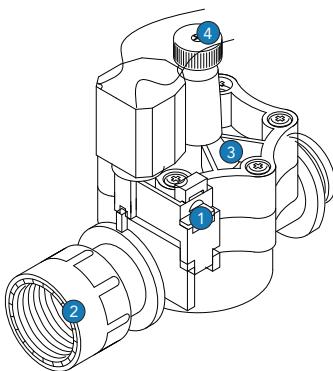
2. THREADS AVAILABLE: MALE, FEMALE, UNION



3. SINGLE PIECE CO-INJECTED DIAPHRAGM



4. FLOW CONTROL ADJUSTMENT HANDLE AVAILABLE



RN 155 - LOSS OF CHARGE (in bar)

	3/4"	1"	1" MxU
30 l/min	0.30	0.25	0.35
45 l/min	0.30	0.25	0.35
60 l/min	0.30	0.25	0.35
75 l/min	0.30	0.25	0.35
90 l/min	0.37	0.28	0.42
105 l/min	0.42	0.32	0.47
120 l/min	0.52	0.35	0.57
135 l/min	0.62	0.40	0.67
150 l/min	0.75	0.47	0.80

# RN 155 PLUS

Electric valves

## DESCRIPTION

Rain RN155 PLUS is the family of electric valves for professional landscape applications. Versatile, with very low loss of charge is the reliable heart of an advanced irrigation system.

The easy manual opening integrated in the valve body, the flow control to adjust your system to the flow availability and the strong body are some of the features that make this electric valves leader in the market.

## TECHNICAL INFORMATION

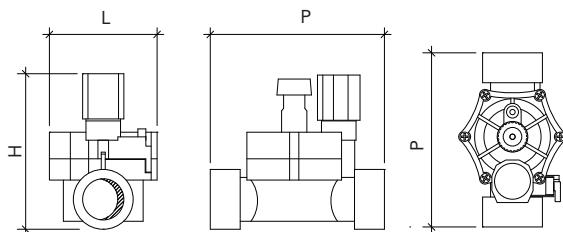
PA 6 30% fiberglass

- Single-piece diaphragm for reliable leak-free valve closing
- Self cleaning stainless-steel metering pin
- Stainless-steel diaphragm differential spring for smooth closing
- Solenoid certificate CE, IP 68 9 PN12 tested piece by piece at 14 bar
- Bleed handle for manual opening with internal bleed
- Energy efficient solenoid 0,2 amp, 4,8 VAC
- Standard solenoid: 24 VAC
- Available solenoid 12 VDC; 24 VDC; 110 VAC; 9 (6-40) VDC Latching
- Flow Control
- RN155 PLUS valves are also available in NPT thread for all the american and latin-american markets

## OPERATING CONDITIONS

- Pressure: min 1.0 bar - max 12.0 bar
- Temperature: +4° C/70° C
- Flow rate: from 35 l/min to 90 l/min

Code	Models
100.1560711	RN 155 PLUS 3/4" M
100.1560911	RN 155 PLUS 1" M
100.1580911	RN 155 PLUS 1" F
100.1560916	RN 155 PLUS 1" MxU



RN 155 - DIMENSIONS (in cm)

	3/4" M	1" M	1" F	1" M x U
H	11.5	11.5	11.5	11.5
P	13.1	13.1	13.1	13.9
L	8.1	8.1	8.1	8.1



# RN 160 PLUS

Electric valves



1. BLEED HANDLE FOR MANUAL OPENING



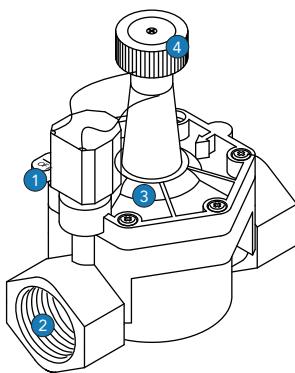
3. SINGLE PIECE CO-INJECTED DIAPHRAGM



2. THREADS AVAILABLE: FEMALE, MALE X UNION



4. FLOW CONTROL ADJUSTAMENT HANDLE



RN 160 - LOSS OF CHARGE (in bar)

	1"	1"1/4	1"1/2	2"
75 l/min	0.20	0.20		
100 l/min	0.27	0.20	0.20	0.16
125 l/min	0.32	0.21	0.20	0.16
150 l/min	0.42	0.27	0.20	0.16
175 l/min	0.58	0.30	0.21	0.18
200 l/min	0.75	0.40	0.25	0.21
225 l/min		0.48	0.29	0.23
250 l/min		0.58	0.34	0.28
275 l/min		0.69	0.39	0.32
300 l/min			0.45	0.38
325 l/min				0.41

## DESCRIPTION

Rain RN160 PLUS is the family of electric valves for professional landscape and agricultural applications.

This family is an historical product of Rain and its reliability, strength and high performances are well known in the market and have been even improved year after year.

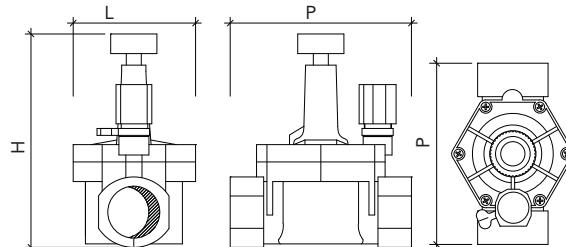
## TECHNICAL INFORMATION

- PA 6 30% fiberglass
- Self cleaning stainless-steel metering pin
- Stainless-steel diaphragm differential spring for smooth closing
- Flow control
- Solenoid certificate CE, IP 68 9 PN12 tested piece by piece at 14 bar
- Bleed handle for manual opening with internal bleed
- Energy efficient solenoid 0,2 amp, 4,8 VAC
- Standard solenoid: 24 VAC
- Available solenoid 12 VDC; 24 VDC; 110 VAC; 9 (6-40) VDC Latching
- On request are also available NPT thread versions: 1"1/2 NPT W/FC or 2" NPT W/FC

## OPERATING CONDITIONS

- Pressure: min 1.0 bar - max 12.0 bar
- Temperature: +4° C/70° C
- Flow rate: from 75 l/min to 300 l/min

Code	Models
100.5700911	160PLUS 1" F W/FC 24VAC
100.5701211	160PLUS 1"1/4 F W/FC 24VAC
100.5701511	160PLUS 1"1/2 F W/FC 24VAC
100.5701711	160PLUS 2" F W/FC W/FC 24VAC



RN 160 - DIMENSIONS (in cm)

	1" F	1"1/4 F	1"1/2" F	2" F	2" M x U
H	18.4	18.4	18.4	18.4	18.4
P	14.5	14.8	15.7	18.3	17.5
L	10.6	10.6	10.6	10.6	10.6



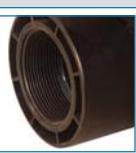
1. BLEED HANDLE FOR MANUAL OPENING



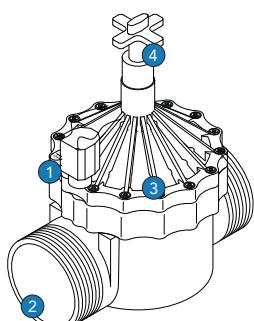
3. ASSEMBLED DIAPHRAGM



2. THREADS AVAILABLE: MALE, FEMALE



4. FLOW CONTROL ADJUSTAMENT HANDLE AVAILABLE



RN 180 - LOSS OF CHARGE (in bar)

	2"	3"
200 l/min	0.07	0.05
300 l/min	0.09	0.07
400 l/min	0.12	0.09
500 l/min	0.14	0.12
600 l/min	0.16	0.14
700 l/min	0.19	0.16
800 l/min	0.25	0.18
900 l/min	0.31	0.23
1000 l/min	0.38	0.28
1100 l/min	0.47	0.35

# RN 180

Electric valves

## DESCRIPTION

Rain RN180 is the family of electric valves dedicated for agriculture and big installations with high flow.

2 kg of weight made of virgin nylon plus 30% of fibreglass is the starting condition for the excellence for an electric valve for these applications.

Strong and reliable is studied to face even extreme conditions of flow, also thanks to its safe closing process to prevent water hammer.

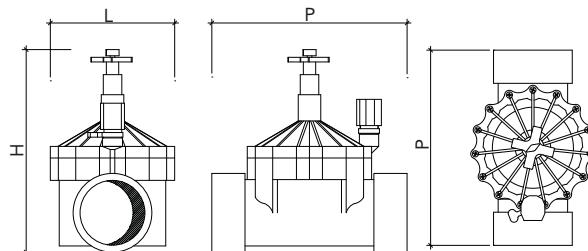
## TECHNICAL INFORMATION

- PA 6 30% fiberglass
- Self cleaning stainless-steel metering pin
- Stainless-steel diaphragm differential spring for smooth closing
- Solenoid certificate CE, IP 68 9
- PN12 tested piece by piece at 14 bar
- Bleed handle for manual opening with internal bleed
- Energy efficient solenoid 0,2 amp, 4,8 VAC
- Flow Control
- Standard solenoid: 24 VAC
- Available solenoid 12 VDC; 24 VDC; 110 VAC; 9 (6-40) VDC Latching

## OPERATING CONDITIONS

- Pressure: min 1.0 bar - max 12.0 bar
- Temperature: +4° C/70° C
- Flow rate: from 200 l/min to 1100 l/min

Code	Models
100.1802510	RN 180 2"F W/FC 24VAC
100.1803510	RN 180 3"M W/FC 24VAC
100.1803410	RN 180 3"F W/FC 24VAC



RN 180 - DIMENSIONS (in cm)

	3" M	3" F	2" F
H	25.0	25.0	25.0
P	24.0	25.3	25.3
L	17.0	17.0	17.0



# RN 180 3 WAY

Electric valves



1. CONNECTION



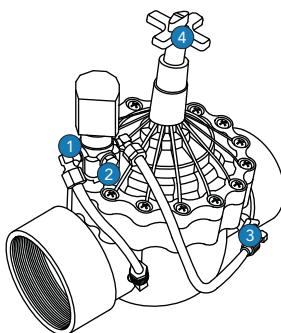
3. 3 WAY BASE



2. 1/4" FILTER



4. FLOW CONTROL ADJUSTAMENT HANDLE AVAILABLE



RN 180 - LOSS OF CHARGE (in bar)

	2"	3"
200 l/min	0.07	0.05
300 l/min	0.09	0.07
400 l/min	0.12	0.09
500 l/min	0.14	0.12
600 l/min	0.16	0.14
700 l/min	0.19	0.16
800 l/min	0.25	0.18
900 l/min	0.31	0.23
1000 l/min	0.38	0.28
1100 l/min	0.47	0.35

## TECHNICAL INFORMATION

- PA 6 30% fiberglass
- Filter for dirty water working
- Stainless-steel diaphragm differential spring for smooth closing
- Solenoid certificate CE, IP 68 9
- PN12 tested piece by piece at 14 bar
- Bleed handle for manual opening with internal bleed
- Energy efficient solenoid 0,2 amp, 4,8 VAC
- Flow Control
- Base

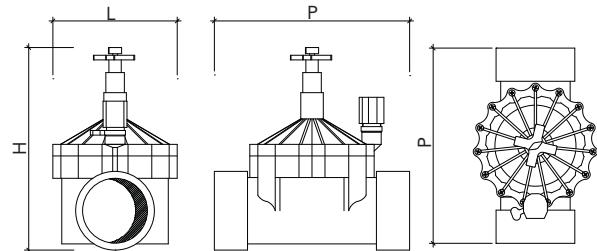
## OPERATING CONDITIONS

- Pressure: min 1.0 bar - max 12.0 bar
- Temperature: +4° C/70° C
- Flow rate: from 200 l/min to 1100 l/min

## AVAILABLE VERSIONS

- Standard solenoid: 24 VAC
- Available solenoid 12 VDC; 24 VDC; 110 VAC; 9 (6-40) VDC Latching

Code	Models
100.1805210	RN 180 2" F 3 WAYS 24 VAC
164.1805210	RN 180 2" F 3 WAYS 9 VDC
164.1805510	RN 180 3" M 3 WAYS 9 VDC
100.1805410	RN 180 3" F 3 WAYS 24 VAC
164.1805410	RN 180 3" F 3 WAYS 9 VDC
100.1805520	RN 180 3" WAYS 24 VAC
100.1805510	RN 180 3" M 3 WAYS 24 VAC



RN 180 - DIMENSIONS (in cm)

	3" M	3" F	2" F
H	25.0	25.0	25.0
P	24.0	25.3	25.3
L	17.0	17.0	17.0



TAP TIMER  
CONTROLLER  
CONTROLLER

BATTERY  
CONTROLLER  
SENSOR  
ELECTRIC VALVES

SPRINKLER  
FITTINGS

ACCESSORIES



1. MANUAL OPENING



2. INSTALLATION



3. PRESSURE GAUGE



4. REGULATION SCREW



# PRESSURE REGULATOR

Electric valves

## DESCRIPTION

Rain adjustable pressure regulator grants complete adjustment flexibility. It is not preset for specific performances but operating on the screw it provides the specific setting required by the operator. Its pressure gauge offers always a clear indication of the outlet pressure. Rain pressure regulator can be used on all Rain electric valves.

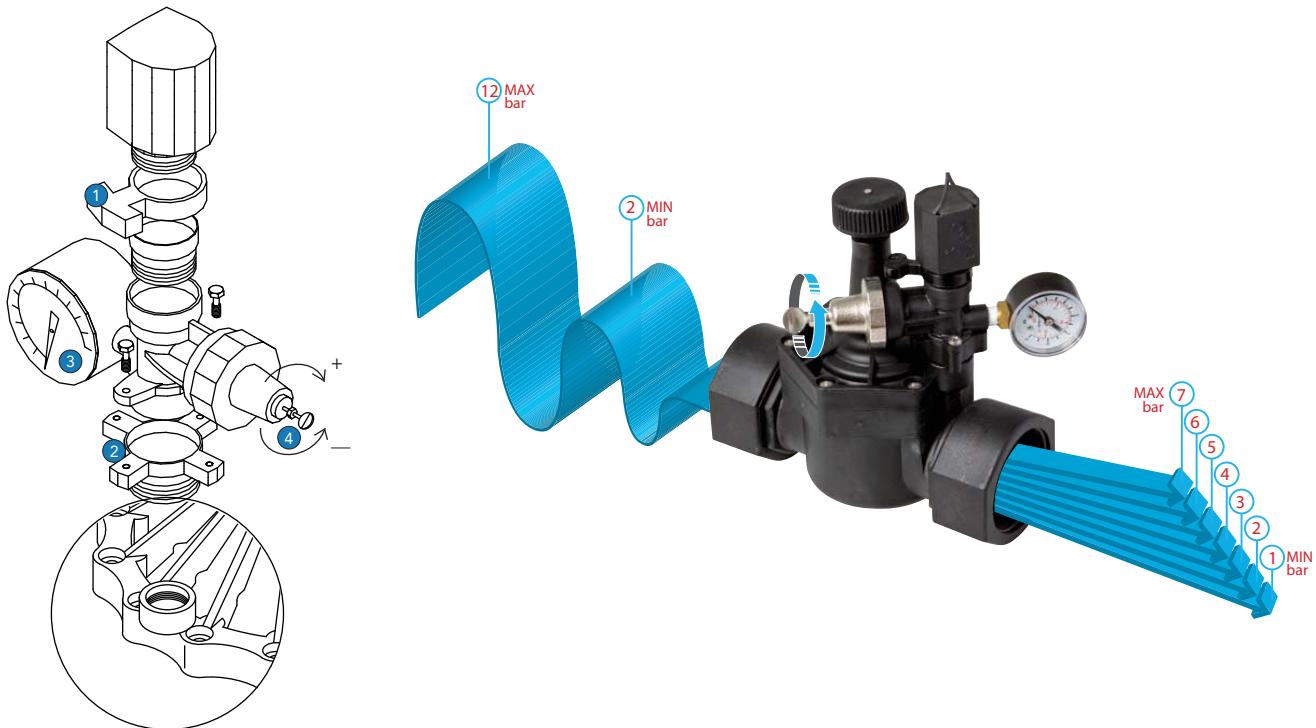
## TECHNICAL INFORMATION

- Made of nylon-fiberglass and stainless steel
- Pressure gauge
- Regulation screw
- It can be Installed on all rain electric valves

## OPERATING CONDITIONS

- Pressure output: min 1.0 bar max 7.0 bar
- Pressure input: max 12 bar
- Mini differential pressure 1.0 bar
- Temperature: min +4°C max 70°C

Code	Models
120.8000100	PRESSURE REGULATOR





# S020

1/2" Sprays

## DESCRIPTION

RAIN S020 pop-up sprays are built with the contractor in mind. With the narrow profile, replacement is effortless.

The RAIN S020 Spray is the only narrow profile spray with a co-molded wiper seal.

The co-molded wiper seal ensures proper operation year after year with minimal flow by.

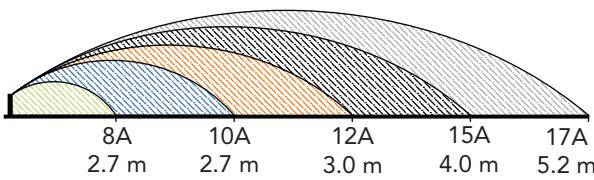
## FEATURES AND BENEFITS

- Available in 2" and 4" Models—Provides flexibility in system design
- Accepts Female Threaded Nozzles
- Stainless Steel Retraction Spring—Provides reliable retraction of the riser in all soil conditions
- Ratcheting Riser—Allows for easy pattern alignment by turning the riser
- Co-Molded Wiper Seal Ensures leak free, full pop-up operation even under low-pressure situations
- Narrow Profile Body – Easy to retrofit with existing systems minutes
- Color code nozzle

## SPECIFICATIONS

- Operating pressure: 1.4 - 3.5 bar
- Flow Range: 1.9 - 17.5 l/min
- Inlet: 1/2" Female Thread

Code	Models
280.1300200	BODY S020 02 - 5 CM
280.1300208	S020-2 8A - 5 CM
280.1300210	S020-2 10A - 5 CM
280.1300212	S020-2 12A - 5 CM
280.1300215	S020-2 15A - 5 CM
280.1300217	S020-2 17A - 5 CM
280.1300400	BODY S020 04 - 10 CM
280.1300408	S020-4 8A - 10 CM
280.1300410	S020-4 10A - 10 CM
280.1300412	S020-4 12A - 10 CM
280.1300415	S020-4 15A - 10 CM
280.1300417	S020-4 17A - 10 CM
280.1053428	CHECK VALVE



PRESTAZIONI TESTINE 8A  
SISTEMA METRICO

PRESIONE KPA / BARS	RAGGIO METERS	PORTATA L/M	M/H	PRECIP MM/HrN	PRECIP MM/Hrs
138 1.38	1.8	1.05	0.06	42	49
207 2.07	2.1	1.14	0.07	46	53
276 2.76	2.4	1.17	0.07	47	55
345 3.45	2.4	1.40	0.08	56	65
138 1.38	2.1	2.08	0.12	42	49
207 2.07	2.1	2.27	0.14	46	53
276 2.76	2.4	2.34	0.14	47	55
345 3.45	2.7	2.76	0.17	56	65
138 1.38	2.4	3.14	0.19	42	49
207 2.07	2.4	3.41	0.20	46	53
276 2.76	2.7	3.52	0.21	47	55
345 3.45	3.0	4.16	0.25	56	65
138 1.38	2.4	4.16	0.25	42	49
207 2.07	2.7	4.54	0.27	46	53
276 2.76	3.0	4.69	0.28	47	55
345 3.45	3.4	5.53	0.33	56	65

PRESTAZIONI TESTINE 10A  
SISTEMA METRICO

PRESIONE KPA / BARS	RAGGIO METERS	PORTATA L/M	M/H	PRECIP MM/HrN	PRECIP MM/Hrs
138 1.38	2.7	1.63	0.10	42	49
207 2.07	2.7	1.78	0.11	45	53
276 2.76	3.0	2.00	0.12	51	59
345 3.45	3.4	2.27	0.14	59	68
138 1.38	2.7	3.25	0.20	42	49
207 2.07	3.0	3.52	0.21	45	53
276 2.76	3.4	3.93	0.24	51	59
345 3.45	3.7	4.54	0.27	59	68
138 1.38	3.0	4.88	0.29	42	49
207 2.07	3.0	5.30	0.32	45	53
276 2.76	3.4	5.90	0.35	51	59
345 3.45	3.7	6.81	0.41	59	68
138 1.38	2.7	6.51	0.39	42	49
207 2.07	3.0	7.04	0.42	45	53
276 2.76	3.4	7.87	0.47	51	59
345 3.45	3.7	9.08	0.54	59	68

PRESTAZIONI TESTINE 17A  
SISTEMA METRICO

PRESIONE KPA / BARS	RAGGIO METERS	PORTATA L/M	M/H	PRECIP MM/HrN	PRECIP MM/Hrs
138 1.38	4.9	3.52	0.21	31	36
207 2.07	5.2	3.79	0.23	34	39
276 2.76	5.5	4.16	0.25	37	43
345 3.45	5.8	4.73	0.28	42	49
138 1.38	4.6	7.00	0.42	31	36
207 2.07	4.9	7.57	0.45	34	39
276 2.76	5.2	8.32	0.50	37	43
345 3.45	5.5	9.46	0.57	42	49
138 1.38	4.3	10.52	0.63	31	36
207 2.07	4.6	11.36	0.68	34	39
276 2.76	4.9	12.49	0.75	37	43
345 3.45	5.2	14.20	0.85	42	49
138 1.38	4.3	14.01	0.8	31	36
207 2.07	4.6	15.14	0.91	34	39
276 2.76	4.9	16.66	1.00	37	43
345 3.45	5.2	18.93	1.14	42	49



PRESTAZIONI TESTINE 12A  
SISTEMA METRICO

PRESIONE KPA / BARS	RAGGIO METERS	PORTATA L/M	M/H	PRECIP MM/HrN	PRECIP MM/Hrs
138 1.38	3.4	1.85	0.11	33	38
207 2.07	3.7	1.93	0.12	35	40
276 2.76	3.7	2.27	0.14	41	47
345 3.45	4.0	2.46	0.15	44	51
138 1.38	3.4	3.67	0.22	33	38
207 2.07	3.4	3.86	0.23	35	40
276 2.76	3.7	4.54	0.27	41	47
345 3.45	4.0	4.92	0.30	44	51
138 1.38	3.0	5.52	0.33	33	38
207 2.07	3.4	5.79	0.35	35	40
276 2.76	3.7	6.81	0.41	41	47
345 3.45	4.0	7.38	0.44	44	51
138 1.38	3.0	7.34	0.44	33	38
207 2.07	3.4	7.72	0.46	35	40
276 2.76	3.7	9.08	0.54	44	47
345 3.45	4.0	9.84	0.59	44	51

PRESTAZIONI TESTINE 15A  
SISTEMA METRICO

PRESIONE KPA / BARS	RAGGIO METERS	PORTATA L/M	M/H	PRECIP MM/HrN	PRECIP MM/Hrs
138 1.38	4.6	2.84	0.17	33	38
207 2.07	4.9	3.03	0.18	35	40
276 2.76	5.2	3.33	0.20	38	44
345 3.45	5.2	3.79	0.23	43	50
138 1.38	4.0	5.68	0.34	33	38
207 2.07	4.3	6.08	0.34	35	40
276 2.76	4.6	6.62	0.40	38	44
345 3.45	4.6	7.57	0.45	43	50
138 1.38	4.0	8.52	0.51	33	38
207 2.07	4.3	9.08	0.54	35	40
276 2.76	4.6	9.96	0.60	38	44
345 3.45	4.6	11.36	0.68	43	50
138 1.38	4.0	11.36	0.68	35	38
207 2.07	4.3	12.11	0.73	35	40
276 2.76	4.6	13.25	0.80	38	44
345 3.45	4.6	15.14	0.91	43	50





1. 5 INTERCHANGEABLE NOZZLES



2. UNIVERSAL TOOL



3. CHECK VALVE



4. S050 S (ARC SET DEGREE MARKING)



## Code Models

280.1290101	S050 1/2"
270.1010507	NOZZLE
270.1010503	CHECK VALVE
270.1010509	ADJUSTMENT TOOL



# S050

1/2" Rotors

## DESCRIPTION

Rain S050 is gear-driven, rotary type sprinklers, capable of covering an area of 5.2 to 9.1 m radius at nozzle pressure of 2.1 to 3.4 bar with a discharge rate of 2.84 to 12.5 LPM.

They are perfect for small lawn and landscape areas and for replacing fixed sprays.

Rain S050 is supplied with five numerically coded interchangeable nozzles. Sprinklers nozzle trajectory are 26°. The sprinklers have a stainless steel radius adjustment screw.

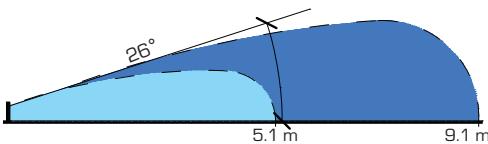
Rain S050 and S050 S provide arc adjustment from 40° to 360°.

## FEATURES AND BENEFITS

- Right position start – rotor rotates counterclockwise from fixed right start position
- Rubber cover – seals out dirt and increases product durability
- Time proven patented reversing mechanism – Assures continuous reverse and return...over a 20 year history
- Ratcheting riser – allows for easy adjustment of your starting position with a simple turn of the riser
- Wide selection of nozzles – provides flexibility in system design
- Optional check valve – prevents low head drainage

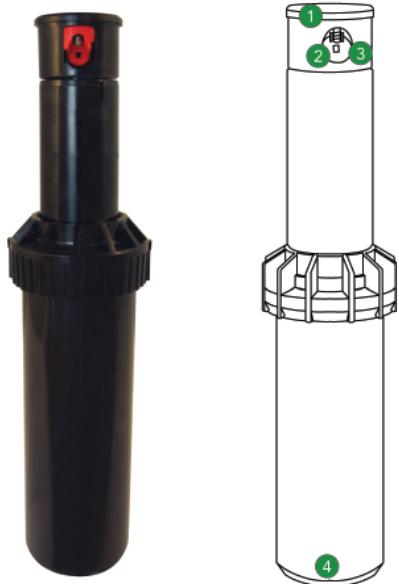
## SPECIFICATIONS

- Inlet: 1/2"
- Arc Adjustment Range: 40° - 360°
- Flow Range: 2,8 - 12,5 l/m
- Operating pressure: 1,4 - 5,0 Bar
- Precipitation Rate: 0,5 to 1 cm per Hour (Depending on Spacing and nozzle Used)
- Overall Height: 15,2 cm
- Recommended Spacing: 5,2 to 8,5 m
- Radius: 5,2 to 9,1 m
- Nozzle Trajectory: 26°
- Riser Height: 10,2 cm



## PERFORMANCES

NOZZLE	Bar	m	l/min
0.75	2.1	5.1	2.84
	2.8	5.1	3.03
	3.4	5.4	3.41
1	2.1	6.0	3.41
	2.8	6.3	4.54
	3.4	6.3	4.92
1.5 Pre-installed	2.1	6.9	5.30
	2.8	7.2	6.44
	3.4	7.2	7.20
2	2.1	7.5	6.82
	2.8	8.1	7.95
	3.4	8.1	9.09
3	2.1	8.4	10.20
	2.8	9.0	11.40
	3.4	9.0	12.50



# S050 S

1/2" Rotors

## DESCRIPTION

Rain S050 is gear-driven, rotary type sprinklers, capable of covering an area of 5.2 to 9.1 m radius at nozzle pressure of 2.1 to 3.4 bar with a discharge rate of 2.84 to 12.5 LPM.

They are perfect for small lawn and landscape areas and for replacing fixed sprays.

Rain S050 is supplied with five (5) numerically coded interchangeable nozzles. Sprinklers nozzle trajectory are 26°. The sprinklers have a stainless steel radius adjustment screw.

Rain S050 and S050 S provide arc adjustment from 40° to 360°.

## FEATURES AND BENEFITS

- Left position start – rotor rotates clockwise from fixed left start position
- Patented Arc Set Degree Markings–Clearly indicates the current watering pattern and simplifies arc set adjustment
- Time proven patented reversing mechanism – Assures continuous reverse and return...over a 20 year history
- Ratcheting riser – allows for easy adjustment of your starting position with a simple turn of the riser
- Wide selection of nozzles – provides flexibility in system design
- Optional check valve – prevents low head drainage

## SPECIFICATIONS

- Inlet: 1/2"
- Arc Adjustment Range: 40°- 360°
- Flow Range: 2,8 - 12,5 l/m
- Operating pressure: 1,4 - 5,0 Bar
- Precipitation Rate: 0,5 to 1 cm per Hour (Depending on Spacing and nozzle Used)
- Overall Height: 15,2 cm
- Recommended Spacing: 5,2 to 8,5 m
- Radius: 5,2 to 9,1 m
- Nozzle Trajectory: 26°
- Riser Height: 10,2 cm

## PERFORMANCES

NOZZLE	Bar	m	l/min
0.75	2.1	5.1	2.84
	2.8	5.1	3.03
	3.4	5.4	3.41
1	2.1	6.0	3.41
	2.8	6.3	4.54
	3.4	6.3	4.92
1.5 Pre-installed	2.1	6.9	5.30
	2.8	7.2	6.44
	3.4	7.2	7.20
2	2.1	7.5	6.82
	2.8	8.1	7.95
	3.4	8.1	9.09
3	2.1	8.4	10.20
	2.8	9.0	11.40
	3.4	9.0	12.50

1. 5 INTERCHANGEABLE NOZZLES



3. CHECK VALVE



2. UNIVERSAL TOOL



4. S050 S (ARC SET DEGREE MARKING)



### Code Models

280.1290102	S050 S 1/2"
270.1010507	NOZZLE
270.1010503	CHECK VALVE
270.1010519	ADJUSTMENT TOOL





1. S075 D (RUBBER COVER)



2. 8 STANDARD NOZZLES + 4 LOW ANGLE NOZZLES



3. UNIVERSAL TOOL



4. CHECK VALVE



## PERFORMANCES 11°

NOZZLE	Bar	m	l/min
1 LA	2.0	6.7	4.5
	3.0	7.3	6.4
	3.5	7.9	6.8
	4.0	8.5	7.6
3 LA	2.0	8.8	11.4
	3.0	9.8	11.7
	3.5	10.7	13.2
	4.0	11.3	14.4
4 LA	2.0	9.4	12.9
	3.0	10.4	14.8
	3.5	11.3	16.7
	4.0	11.6	17.8
6 LA	3.0	11.6	24.6
	3.5	12.2	27.6
	4.0	12.8	30.3
	5.0	13.4	32.6



## PERFORMANCES 25°

NOZZLE	Bar	m	l/min
3 Pre-installed	2.1	11.0	7.6
	2.8	11.6	9.1
	3.4	12.2	10.2
	4.1	12.2	11.0
0.5	2.1	8.5	1.9
	2.8	8.8	2.3
	3.4	8.8	2.7
	4.1	9.1	3.0
0.75	2.1	8.8	2.6
	2.8	9.1	3.0
	3.4	9.1	3.4
	4.1	9.4	3.8
1	2.1	9.1	3.4
	2.8	9.4	3.8
	3.4	9.4	4.5
	4.1	9.8	4.9
2	2.1	9.8	4.5
	2.8	10.1	5.3
	3.4	10.4	6.1
	4.1	10.4	6.8
4	2.1	11.0	9.8
	2.8	12.2	11.4
	3.4	12.8	12.9
	4.1	12.8	14.0
6	2.1	11.6	15.9
	2.8	13.1	18.5
	3.4	14.0	20.8
	4.1	14.3	22.7
8	2.8	13.7	22.7
	3.4	14.6	25.7
	4.1	14.9	28.8
	4.8	15.5	31.0

## S075

3/4" Rotors

## DESCRIPTION

Rain S075 is the first Rain s.p.a. gear driven sprinkler. Is designed for basic residential and light commercial application and is ideal for low flow applications.

Rain S075 rotates counter clockwise from fixed right start position and has an easy top adjustment procedure.

The arc range that is from 40° to 360° provides a full range of adjustment.

Rain S075 is capable of covering an area from 6,7 m to 15,5 m and is supplied with a wide selection of nozzles (8 standard with 25° nozzle trajectory and 4 low angle with 11° nozzle trajectory) in order to offer maximum flexibility to irrigation system design. Its special wiper seal reduces leaks caused by debris trapped under seal.

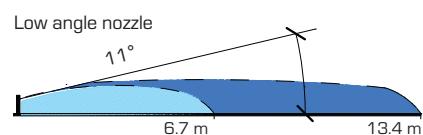
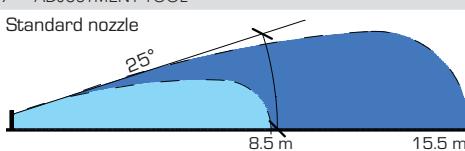
## FEATURES AND BENEFITS

- Inlet: 3/4"
- Arc Adjustment Range: 40° to 360°
- Flow Range: 1,9 - 53,4 l/m
- Operating pressure: 2,0 - 5,0 Bar
- Precipitation Rate: 0,3 to 2,9 cm per Hour
- Overall Height: 18,7 cm
- Recommended Spacing: 7,6 to 13,7 m
- Radius: 6,7 to 15,5 m
- Nozzle Trajectory: 25°
- Low Angle Nozzle Trajectory: 11°
- 8 standard and 4 Low Angle Nozzle Included
- Riser Height: 10,2 cm

## SPECIFICATIONS

- Right Position Start–Rotor rotates counterclockwise from fixed right start position
- Full and Part circle rotation–provides a full range of adjustment from 40° to 360°
- Non-flushing wiper seal–reduces leaks caused by debris trapped under seal
- 3/4" Inlet–Replaces all standard rotors
- Ideal for low flow applications
- Rubber Cover–Seals out dirt and increases product durability
- Wide Selection of Nozzles–Including standard and low angle, provides flexibility in system design.
- Five Year Limited Warranty

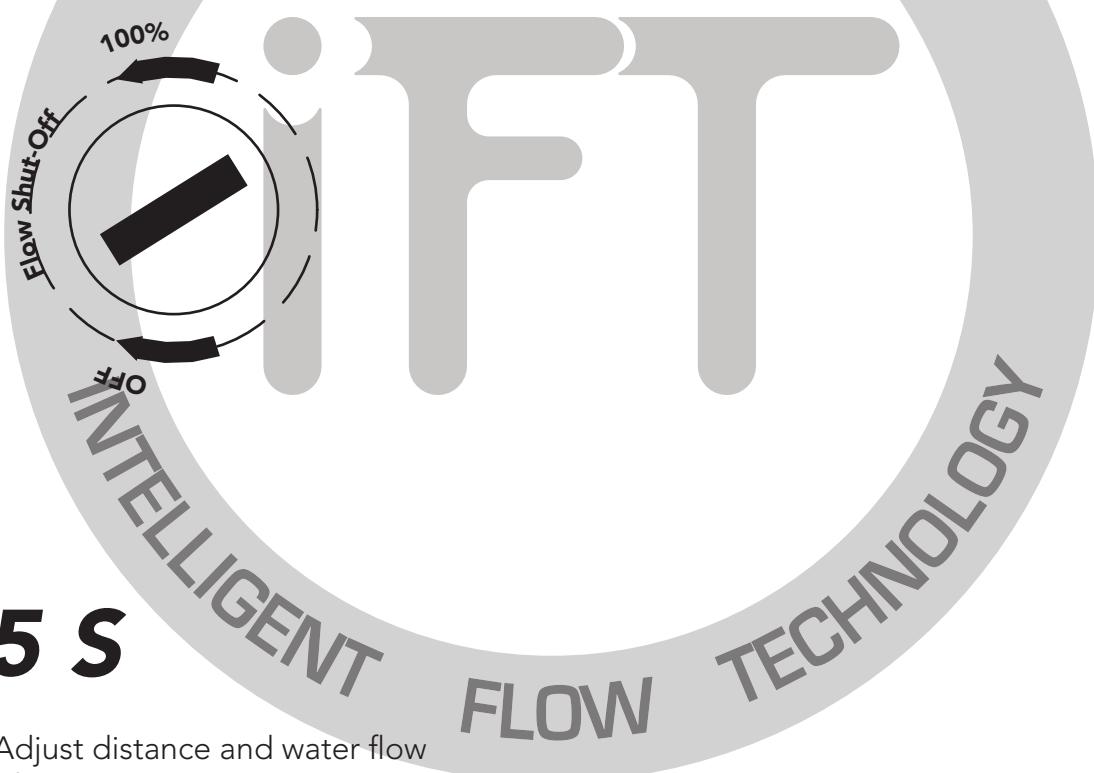
Code	Models
280.1150100	S075 3/4"
270.1010575	NOZZLE
270.1009110	CHECK VALVE
270.1010509	ADJUSTMENT TOOL



# S 075 D



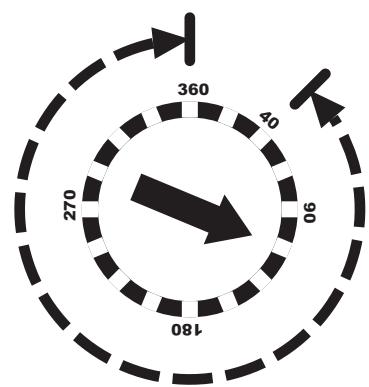
- Adjust distance and water flow at the same time -saves time and water!
- Full and Part circle rotation—provides a full range of adjustment from 40° to 360°



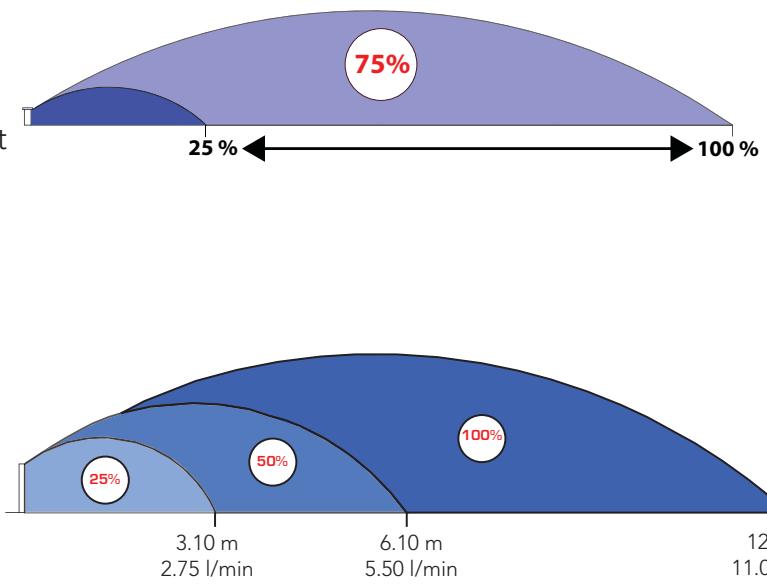
# S 075 S



- Adjust distance and water flow at the same time -saves time and water!
- Patented Arc Set Degree markings—Clearly indicates the current watering pattern and simplifies arc set adjustment
- Arc Memory Clutch, which returns the rotor to its preset position automatically



Adjust distance and water flow at the same time -saves time and water!



TAP TIMER

BATTERY  
CONTROLLER

CONTROLLER  
SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES



## 1. INNOVATIVE FLOW CONTROL

1. 8 STANDARD NOZZLES +  
4 LOW ANGLE NOZZLES

## 3. UNIVERSAL TOOL



4. CHECK VALVE



## PERFORMANCES 11°

NOZZLE	Bar	m	l/min
1 LA	2.0	6.7	4.5
	3.0	7.3	6.4
	3.5	7.9	6.8
	4.0	8.5	7.6
3 LA	2.0	8.8	11.4
	3.0	9.8	11.7
	3.5	10.7	13.2
	4.0	11.3	14.4
4 LA	2.0	9.4	12.9
	3.0	10.4	14.8
	3.5	11.3	16.7
	4.0	11.6	17.8
6 LA	3.0	11.6	24.6
	3.5	12.2	27.6
	4.0	12.8	30.3
	5.0	13.4	32.6



## PERFORMANCES 25°

NOZZLE	Bar	m	l/min
3 Pre-installed	2.1	11.0	7.6
	2.8	11.6	9.1
	3.4	12.2	10.2
	4.1	12.2	11.0
0.5	2.1	8.5	1.9
	2.8	8.8	2.3
	3.4	8.8	2.7
	4.1	9.1	3.0
0.75	2.1	8.8	2.6
	2.8	9.1	3.0
	3.4	9.1	3.4
	4.1	9.4	3.8
1	2.1	9.1	3.4
	2.8	9.4	3.8
	3.4	9.4	4.5
	4.1	9.8	4.9
2	2.1	9.8	4.5
	2.8	10.1	5.3
	3.4	10.4	6.1
	4.1	10.4	6.8
4	2.1	11.0	9.8
	2.8	12.2	11.4
	3.4	12.8	12.9
	4.1	12.8	14.0
6	2.1	11.6	15.9
	2.8	13.1	18.5
	3.4	14.0	20.8
	4.1	14.3	22.7
8	2.1	13.7	22.7
	2.8	14.6	25.7
	3.4	14.9	28.8
	4.1	15.5	31.0

## S075 D

3/4" Rotors

## DESCRIPTION

Rain S075 is the first Rain s.p.a. gear driven sprinkler with Adjust distance and water flow at the same time -saves time and water. Is designed for basic residential and light commercial application and is ideal for low flow applications.

Rain S075 rotates counter clockwise from fixed right start position and has an easy top adjustment procedure.

The arc range that is from 40° to 360° provides a full range of adjustment.

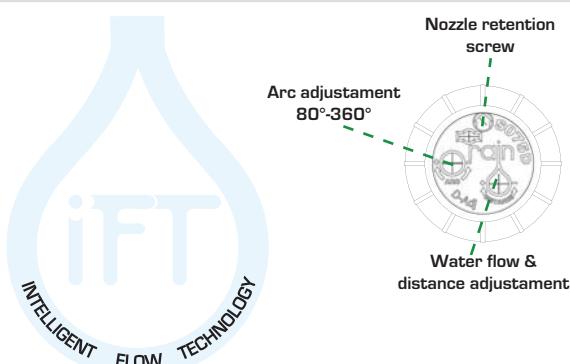
## FEATURES END BENEFITS

- Inlet: 3/4"
- Arc Adjustment Range: 40° to 360°
- Flow Range: 1,9 - 53,4 l/m
- Operating pressure: 2,0 - 5,0 Bar
- Precipitation Rate: 0,3 to 2,9 cm per Hour
- Overall Height: 18,7 cm
- Recommended Spacing: 7,6 to 13,7 m
- Radius: 6,7 to 15,5 m
- Nozzle Trajectory: 25°
- Low Angle Nozzle Trajectory: 11°
- 8 standard and 4 Low Angle Nozzle Included
- Riser Height: 10,2 cm

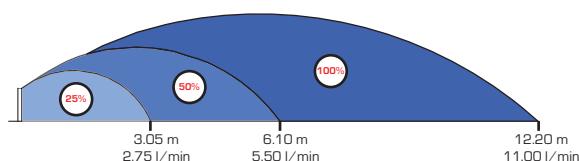
## SPECIFICATIONS

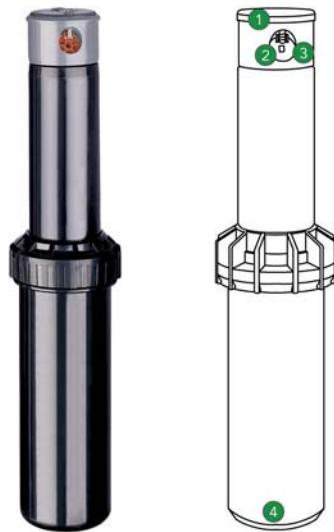
- Adjust distance and water flow at the same time -saves time and water!
- Right Position Start–Rotor rotates counterclockwise from fixed right start position
- Full and Part circle rotation–provides a full range of adjustment from 40° to 360°
- Non-flushing wiper seal–reduces leaks caused by debris trapped under seal
- 3/4" Inlet–Replaces all standard rotors
- Ideal for low flow applications
- Rubber Cover–Seals out dirt and increases product durability
- Wide Selection of Nozzles–Including standard and low angle, provides flexibility in system design.
- Five Year Limited Warranty.

Code	Models
280.1160100	S075 D 3/4"
280.1160180	S075 D 3/4" ADS (INOX)
270.1009110	CHECK VALVE
270.1010509	ADJUSTMENT TOOL



Example of flow and distance adjustment (preinstalled nozzle 3). This nozzle at 3.4 bar the distance can be adjusted from 3.10 m up to 12.2 m and proportionally the flow will be from 2.75 up to 11 l/m





1. 5 INTERCHANGEABLE NOZZLES



2. UNIVERSAL TOOL



3. CHECK VALVE



4. S050 S (ARC SET DEGREE MARKING)

**PERFORMANCES 12°**

NOZZLE	Bar	m	l/min
1 LA	2.1	7.9	4.92
	2.8	8.2	5.68
	3.4	8.2	6.44
	4.1	8.5	7.19
3 LA	2.1	8.8	10.98
	2.8	9.1	12.49
	3.4	9.4	12.87
	4.1	10.1	15.14
4 LA	2.1	8.5	15.14
	2.8	9.4	17.79
	3.4	10.4	18.93
	4.1	11.0	22.71
6 LA	2.8	9.1	22.71
	3.4	10.4	26.50
	4.1	11.3	29.53
	4.8	11.6	31.04

**PERFORMANCES 26°**

NOZZLE	Bar	m	l/min
0.5	2.1	9.1	1.7
	2.8	8.8	1.89
	3.4	7.9	2.27
	4.1	7.9	2.65
0.75	2.1	9.8	2.65
	2.8	9.8	3.03
	3.4	10.1	3.41
	4.1	10.1	3.79
1	2.1	9.1	4.16
	2.8	9.8	4.92
	3.4	10.1	5.68
	4.1	10.1	6.06
2	2.1	11.6	8.71
	2.8	11.6	9.46
	3.4	12.2	10.22
	4.1	12.8	11.36
2.5 Pre-installed	2.1	10.7	9.46
	2.8	11.0	10.60
	3.4	11.3	12.11
	4.1	11.6	13.63
4	2.1	12.8	15.52
	2.8	13.4	17.41
	3.4	13.7	19.31
	4.1	14.0	21.58
6	2.8	14.0	21.96
	3.4	14.6	24.23
	4.1	14.9	26.50
	4.8	14.9	28.39
8	2.8	12.8	28.39
	3.4	13.7	31.04
	4.1	14.6	34.07
	4.8	14.6	35.96

# S075 S

3/4" Rotors

**DESCRIPTION**

The S075 S Rotor with its patented flow control allows you to reduce the distance and flow rate proportionately for even water fall out and better zone performance. When turned off completely the riser stays popped up for quick nozzle changes or adjustments.

The S075 S is packed with innovative features: Partial to continuous 360° coverage, an interchangeable nozzle for superior spray patterns, patented Easy Arc Set and Arc Memory Clutch, which returns the rotor to its preset position automatically.

**FEATURES AND BENEFITS**

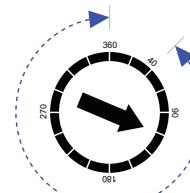
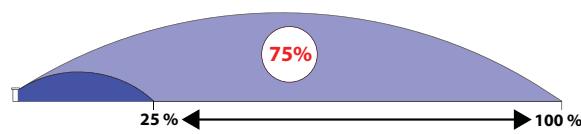
- Left position start – rotor rotates clockwise from fixed left start position
- Patented Arc Set Degree markings–Clearly indicates the current watering pattern and simplifies arc set adjustment
- Time proven patented reversing mechanism – Assures continuous reverse and return...over a 20 year history
- Ratcheting riser – allows for easy adjustment of your starting position with a simple turn of the riser
- Wide selection of nozzles – provides flexibility in system design
- Optional check valve – prevents low head drainage

**SPECIFICATIONS**

- Inlet: 3/4" F
- Arc Adjustment Range: 40° to 360°
- Flow Range: 1,9 - 53,4 l/m
- Operating pressure: 2,0 - 5,0 Bar
- Precipitation Rate: 0,3 to 2,9 cm per Hour
- Overall Height: 18,7 cm
- Recommended Spacing: 7,6 to 13,7 m
- Radius: 6,7 to 15,5 m
- Nozzle Trajectory: 25°
- Low Angle Nozzle Trajectory: 11°
- 8 standard and 4 Low Angle Nozzle Included
- Riser Height: 10,2 cm

**Code Models**

280.1170100	S075 S 3/4"
270.1009110	CHECK VALVE
270.1010519	ADJUSTMENT TOOL

**ARC SET DEGREE MARKINGS****PROPORTIONAL WATER FLOW & DISTANCE ADJUSTAMENT**



# K-ROTARY

1/2" Rrotaory

## DESCRIPTION

### ADJUSTABLE ROTARY NOZZLES

Rotary Nozzles, designed to fit into a standard pop-up spray head, provide increased uniform coverage over conventional fixed pattern spray nozzles while delivering matched precipitation. The highly efficient water delivery reduces soil erosion and runoff, saving water and money. Rotary Nozzles are the perfect solution for low water pressure areas. They are designed to operate at lower pressure while still delivering precise, even coverage.

## FEATURES AND BENEFITS

- Matched Precipitation—Across every arc and radius
- Low Precipitation Rate—Reduces run off
- Low Flow Rate—Less material, fewer zones
- 25% Radius Reduction—Patented flow control, no tools required
- Unique Speed Control—Maintains speed of rotation over varying pressure ranges
- Multiple Stream Technology—Provides improved wind resistance
- Flexible Usage—Any pattern can be combined in the same zone with matched precipitation
- Large Filter—Prolongs product life
- System Flexibility—Can be Installed on the same zone with rotors

## SPECIFICATIONS

- Inlet: 1/2"
- Operating pressure: 1,7 – 3,4 Bar
- Recommended Spacing:

Rotary 100 2.4 – 4.2 m

Rotary 200 4.2 – 6.3 m

Rotary 300 6.6 – 8.4 m

Code	Models
270.1000360	ROTARY 100 360°
270.1090270	ROTARY 100 90°-270°
270.1700110	ROTARY RNS LES 515 (left strip)
270.1700120	ROTARY RNS SS 530 (side strip)
250.1700130	ROTARY RNS RES 515 (right strip)
250.2000360	ROTARY 200 360°
250.2090270	ROTARY 200 90°-270°
270.3000360	ROTARY 300 360°
270.3090270	ROTARY 300 90°-270°

## Performance Data - Special Patterns

PATTERN	NOZZLE	PRESSURE Bars	WIDTH X LENGTH Meters	FLOW RATE L/M
Right End Strip	RNS-RES-515 Burnt Orange	2.06	1.22 x 4.6	1.14
		2.46	1.5 x 4.6	1.21
		2.75	1.5 x 4.6	1.32
		3.10	1.8 x 4.9	1.43
		3.45	1.8 x 4.9	1.51
Left End Strip	RNS-LES-515 Olive	2.06	1.22 x 4.6	1.14
		2.46	1.5 x 4.6	1.21
		2.75	1.5 x 4.6	1.32
		3.10	1.8 x 4.6	1.43
		3.45	1.8 x 4.9	1.51
Side Strip	RNS-SS-530 Brown	2.06	1.22 x 8.8	1.80
		2.46	1.5 x 9.1	2.08
		2.75	1.5 x 9.1	2.30
		3.10	1.8 x 9.4	2.46
		3.45	2.1 x 9.7	2.64

\*Data represents test results in zero wind. Adjust for local conditions.

Radius may be reduced with the nozzle retention screw.

### RN100-ADJ-90-270 (MEDIUM GREEN)

ARC	PRESSURE Bars	RADIUS M.	FLOW RATE L/M
90°	2.07	3.96	0.83
	2.41	4.27	0.91
	2.76	4.27	0.94
	3.10	4.57	1.10
	3.45	4.57	1.13
180°	2.07	3.96	1.66
	2.41	4.27	1.78
	2.76	4.27	1.89
	3.10	4.57	2.19
	3.45	4.57	2.27
270°	2.07	3.96	2.50
	2.41	4.27	2.69
	2.76	4.27	2.84
	3.10	4.57	3.25
	3.45	4.57	3.40

### RN300-ADJ-90-270 (MEDIUM GREY)

ARC	PRESSURE Bars	RADIUS M.	FLOW RATE L/M
90°	2.07	7.92	3.03
	2.41	7.92	3.22
	2.76	8.23	3.40
	3.10	8.53	3.59
	3.45	8.53	3.78
180°	2.07	7.92	5.30
	2.41	8.23	5.68
	2.76	8.23	6.05
	3.10	8.84	6.43
	3.45	9.14	6.81
270°	2.07	7.92	9.27
	2.41	8.23	9.65
	2.76	8.53	10.41
	3.10	8.53	10.98
	3.45	8.23	11.73

### RN200-ADJ-90-270 (MEDIUM BLUE)

ARC	PRESSURE Bars	RADIUS M.	FLOW RATE L/M
90°	2.07	4.87	1.29
	2.41	5.18	1.44
	2.76	5.48	1.55
	3.10	5.79	1.59
	3.45	5.79	1.78
180°	2.07	4.87	2.53
	2.41	5.18	2.84
	2.76	5.48	3.14
	3.10	5.79	3.18
	3.45	5.79	3.56
270°	2.07	4.87	3.82
	2.41	5.18	4.28
	2.76	5.48	4.69
	3.10	5.48	4.77
	3.45	5.79	5.34

### RN100-FIX360 (LIGHT GREEN)

ARC	PRESSURE Bars	RADIUS M.	FLOW RATE L/M
360°	2.07	3.96	3.33
	2.41	4.27	3.56
	2.76	4.27	3.78
	3.10	4.57	4.35
	3.45	4.57	4.54

ARC	PRESSURE Bars	RADIUS M.	FLOW RATE L/M
360°	2.07	7.92	11.73
	2.41	8.23	12.11
	2.76	8.53	13.25
	3.10	8.53	13.43
	3.45	9.1	14.00

ARC	PRESSURE Bars	RADIUS M.	FLOW RATE L/M
360°	2.07	4.87	5.07
	2.41	5.18	5.68
	2.76	5.48	6.24
	3.10	5.79	6.36
	3.45	5.79	7.11

## SUPER 635

1" 1/2 Rotors

### DESCRIPTION

Pop-Up sprinkler for large gardens and parks, manufactured with shock proof outer case and rubber cover.

Technically built as a turbine big irrigun, it grant a long radius, and it is particulary suitable for golf courses and football grounds.

Because the big diameter of pipe and sleeve, it do not mount filter (to avoid obstruction), and there is not water passage through the gears.

The external spinner and the jetbreaker, grant the best waterdistribution.

### FEATURES END BENEFITS

- Inlet: 1"1/2
- Arc Adjustment Range: 40° to 360°
- Flow Range: 102 - 496 l/m
- Operating pressure: 2,0 - 6,0 Bar
- Overall Height: 52,0 cm
- Recommended Spacing: 20,0 to 35,0 m
- Radius: 20,0 to 35,0 m
- 5 standard Nozzle Included
- Riser Height: 18,0 cm

Code	Models
250.6010442	SUPER 635 1"1/2
250.6110442	SUPER 635 1"1/2

## SUPER 645

2" Rotors

### DESCRIPTION

POP-UP sprinklerfor sportfields.

Manufactured as a big irriguns, it allows a large radius of irrigation and can be used on sportfields for football rugby hockey-soccer - baseball.

The large radius allows the installation at the external of the fields, avoiding damages for players atthe internal.

It can work with high pressure for maximum distance.

A special internal rubber folding top, avoids the passage of powder, sand and dirtywater around the telescopic pipe.

### FEATURES END BENEFITS

- Inlet: 2"
- Arc Adjustment Range: 40° to 360°
- Flow Range: 314 - 1262 l/m
- Operating pressure: 3,0 - 8,0 Bar
- Recommended Spacing: 30,0 to 50,0 m
- Radius: 29,5 to 50,0 m
- 6 standard Nozzle Included

Code	Models
250.6010506	SUPER 645 2"

TAP TIMER

BATTERY  
CONTROLLER

CONTROLLER

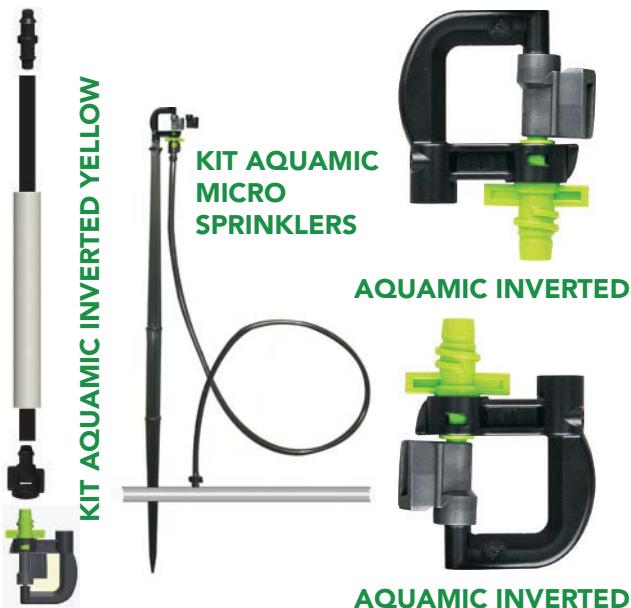
SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES



## AQUAMIC

Micro Sprinklers

### FEATURES AND BENEFITS

- Application in Greenhouse, Nurseries & Horticulture
- Operating Pressure Range : 1 to 3 kg/cm<sup>2</sup>
- It can also be used for Poultry Cooling System

### APPLICATIONS

- Green houses, Nurseries
- Propagation Chamber
- Fine drops creates uniform cloud
- Recommended Spacing : 1.0 to 1.5 mtr
- Coverage Diameter : 1.9 to 4.8 mtr
- Discharge Flow Rates : 36 to 245 ltr/hr

Code	Models
695.8000200	KIT AQUAMIC MICRO SPRINKLERS
695.8009416	KIT AQUAMIC INVERTED ASSEMBLED (1,6 mm YELLOW)
695.8000410	AQUAMIC - INVERTED - Purple
695.8000412	AQUAMIC - INVERTED - Orange
695.8000414	AQUAMIC - INVERTED - Blue
695.8000416	AQUAMIC - INVERTED - yellow
695.8000418	AQUAMIC - INVERTED - Green
695.8000420	AQUAMIC - INVERTED - White
695.8000423	AQUAMIC - INVERTED - Brown
695.8000210	AQUAMIC - Purple
695.8000212	AQUAMIC - Orange
695.8000214	AQUAMIC - Blue
695.8000216	AQUAMIC - yellow
695.8000218	AQUAMIC - Green

## AQUAMIST

Micro Sprinklers



### FEATURES AND BENEFITS

- Application in Greenhouse, Nurseries & Horticulture
- Operating Pressure Range : 1 to 3 kg/cm<sup>2</sup>
- It can also be used for Poultry Cooling System

### APPLICATIONS

- Green houses, Nurseries
- Propagation Chamber
- Fine drops creates uniform cloud
- Recommended Spacing : 1.0 to 1.5 mtr
- Coverage Diameter : 1.9 to 4.8 mtr
- Discharge Flow Rates : 36 to 245 ltr/hr

Code	Models
695.8000300	KIT AQUAMIST INVERTED ASSEMBLED (1,6 mm YELLOW)
695.8000508	AQUAMIST - Black
695.8000512	AQUAMIST - Purple
695.8000512	AQUAMIST - Orange
695.8000514	AQUAMIST - Blue
695.8000516	AQUAMIST - yellow
695.8000518	AQUAMIST - Green

### PERFORMANCES (MIST SPRAYER)

Swivel Color	Nozzle color	Nozzle mm	1.0 kg/cm <sup>2</sup>		2.0 kg/cm <sup>2</sup>		3.0 kg/cm <sup>2</sup>	
			Flow l/h	Diam mm	Flow l/h	Diam mm	Flow l/h	Diam mm
Black	Black	0.80	24	1.6	34	1.8	42	2.0
	Purple	1.0	36	1.9	52	2.2	62	2.4
	Orange	1.2	52	2.2	76	2.6	95	3.2
	Blue	1.4	72	2.6	102	3.2	127	3.6
	Yellow	1.6	90	2.8	135	3.6	165	3.8
	Green	1.8	115	3.2	162	4.0	195	4.2



# AQUATUFF

Micro Sprinklers

## FEATURES

- Sturdy and solid structure
- Insect proof pop-up swivel
- Wetted Diameter: 5.5-12mtr, 1.3-2.5 mtr with break away tab
- Discharge Flow Rates : 30 to 350 ltr/hr
- Operating Pressure Range : 1.0 to 3.0 kg/cm<sup>2</sup>
- Various Nozzle sizes gives variable range of discharge
- Unique water spreader for uniform distribution, maximum range and large droplets.
- Break away tab on two stage swivel to increase the wetted diameters from young to mature trees

## APPLICATIONS

- For widely spaced plantation (upto 6m. X 6m. spacing) such as Ground Nut, Onions, Garlic, Mango, Walnut etc.
- Recommended for under tree and overhead irrigation

Code	Models
695.8000100	AQUATUFF

AQUATUFF FLOW RATES (M)								
Swivel Color	Nozzle color	Nozzle mm	1.5 kg/cm <sup>2</sup>		2.0 kg/cm <sup>2</sup>		2.5 kg/cm <sup>2</sup>	
			Flow l/h	Diam mm	Flow l/h	Diam mm	Flow l/h	Diam mm
<b>Black</b>	Violet	0.80	28	5.4	36	5.4	41	5.5
	Brown	0.94	42	6.2	52	6.4	57	6.4
<b>Blue</b>	Gray	1.14	62	7.2	71	7.4	80	7.4
	Green	1.40	90	8.2	102	8.4	118	8.5
<b>Green</b>	Orange	1.50	105	9.0	122	9.2	136	9.4
	Black	1.78	140	9.6	162	9.6	180	10.0
	Blue	1.98	174		202	10.4	225	10.4
	Yellow	2.20	210	10.6	245	11.0	295	11.4
	Red	2.40	245	11.6	290	12.0	350	12.0

AQUATUFF - WETTED DIAMETER (M)							
Nozzle color	Flow Rate	Nozzle mm	Purple		Grey		
			1 <sup>st</sup> stage	2 <sup>nd</sup> stage	1 <sup>st</sup> stage	2 <sup>nd</sup> stage	
<b>Black</b>	71	1.14	1.3	3.2	1.9	4.8	
<b>Green</b>	102	1.40	1.4	3.2	1.9	5.0	
<b>Orange</b>	122	1.50	1.5	3.4	2.0	5.3	
<b>Black</b>	162	1.78	1.6	3.5	2.0	5.4	
<b>Blue</b>	202	1.98	1.6	4.0	2.2	6.0	
<b>Yellow</b>	245	2.20	1.7	4.2	2.2	6.5	
<b>Red</b>	290	2.40	1.8	4.5	2.5	6.8	



# AQUAFOG

Nozzle	Blue	Green
Singolo	5.3	7.0
2 Uscite	10.6	14.0
4 Uscite	21.2	28.0

# AQUAFOG

AQ - 250 Series

## FEATURES

- Reduces temperature and increases humidity in Greenhouse.
- Interchangeable color coded nozzles.
- Connected with LPD and push fit / bayonet.
- Fine droplet size (50-60 microns @ 4.0 bar)
- A secondary filter (75-100 microns) is required to operate the product.
- High water distribution uniformity and coverage.
- Easy installation and service.
- Material: Acetal
- Pattern: 360°
- Droplet Size: 50-60 Microns @ 4Kg/cm<sup>2</sup>
- Operating Pressure: 4 Kg/cm<sup>2</sup>
- Operating Range: 3-5 Kg/cm<sup>2</sup>
- Opening Pressure: 2.5 bar
- Closing Pressure: 1.5 Bar

## APPLICATIONS

- Evaporative cooling and humidifying control for Greenhouse and Long tunnels.
- Provides perfect conditions for plant propagation.
- Organic or Conventional fields.

Code	Models
250.1002510	1 WAY FOGGER AQ- 251
250.1002520	2 WAY FOGGER AQ- 252
250.1002540	4 WAY FOGGER AQ- 254

TAP TIMER  
CONTROLLER

BATTERY  
CONTROLLER  
SENSOR

ELECTRIC VALVES  
SPRINKLER

FITTINGS

ACCESSORIES

**FITTINGS**

Code	Models
695.1207009	COUPLER 4 mm

**PIPE**

Code	Models
695.5010073	PIPE PE 5.5 x 7.5 mm (100 cm)
695.5010074	PIPE PVC 4.0 x 7.0 mm (100 cm)

**STABILIZER - 14 CM**

Code	Models
695.5010082	STABILIZER 14 cm

**LPD VALVE**

Code	Models
695.1803096	LPD VALVE BAYONET M x F

**LPD VALVE**

Code	Models
695.1807011	LPD VALVE BAYONET F x Pushfit (for fogger)
695.1807010	LPD VALVE BAYONET Pushfit F x M (for fogger)

**BAYONET**

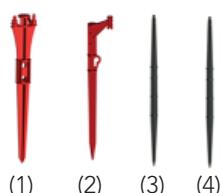
Code	Models
695.8100100	BAYONET FITTING F x 4 mm INNESTO

**BAYONET**

Code	Models
695.1207026	BAYONET FITTING F x 1/2" M

**FITTINGS**

Code	Models
695.1207008	BAYONET CONNECTION M x 4 mm INNESTO

**SPIKES**

Code	Models
695.1207024	SPIKES 35 cm (1)
695.1209004	UNIVERSAL SPIKES (2)
695.1207023	SPIKES 43 cm (3)
695.1207006	SPIKES 50 cm (4)

# 1/2" PLASTIC SPRINKLER



## TECHNICAL INFORMATION

- Available in 1/2" Male Thread Connection
- Color coded nozzles for easy identification of size
- Body, Arm, Bearing & Nozzles made of Delrin for durability
- Specially designed Bayonet nozzles
- Stainless Steel Springs & Pivot Pin
- Trajectory Angle 24°

PERFORMANCES			
NOZZLE	Bar	m	l/min
1372 Orange	2.0	7.5	11
	3.0	9.2	11.5
	4.0	10.5	12
1373 Red	2.0	8.5	11.5
	3.0	10.5	12
	4.0	12	12.5
1374 Black	2.0	14.2	12
	3.0	17.2	13
	4.0	19.7	13

Code	Models
250.1513700	1/2" Plastic Sprinkler



# 1/2" PLASTIC PART CIRCLE SPRINKLER

## TECHNICAL INFORMATION

- Available in 1/2" Male Thread Connection
- Body Arm, Bearing & Nozzles made of engineering plastic (Delrin) for durability
- Specially designed Bayonet nozzles
- Stainless Steel Springs & Pivot Pin
- Both Part/Full Circle operations possible
- Part Circle Operation ranging from 15° to 345°
- Trajectory Angle 25°

PERFORMANCES			
NOZZLE	Bar	m	l/min
1372 Orange	2.0	7.5	11
	3.0	9.2	11.5
	4.0	10.5	12
1373 Red	2.0	8.5	11.5
	3.0	10.5	12
	4.0	12	12.5
1374 Black	2.0	14.2	12
	3.0	17.2	13
	4.0	19.7	13

Code	Models
250.1513721	1/2" Plastic Part Circle Sprinkler - ORANGE
250.1513731	1/2" Plastic Part Circle Sprinkler - RED
250.1513741	1/2" Plastic Part Circle Sprinkler - BLACK



## 1/2" METAL SPRINKLER

### TECHNICAL INFORMATION - PART CIRCLE

- Available in 1/2" BSP/NPT Male Thread Connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Trajectory Angle 27°
- Part Circle Operation ranging from 20 to 340

Code	Models
270.1300021	1/2" Metal Sprinkler
270.1300051	1/2" Part Circle Metal Sprinkler

PERFORMANCES				
NOZZLE	Bar	m	l/min	
FULL 360°	2.07	10.6	9.0	
	2.41	11.1	9.5	
	2.76	11.6	10.3	
	3.45	12.0	11.6	
PART CIRCLE	2.00	11.4	11.4	
	2.50	11.7	13.2	
	3.00	11.9	14.4	
	3.50	12.1	15.0	

### TECHNICAL INFORMATION - FULL CIRCLE

- Available in 1/2" BSP/NPT Male Thread Connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Trajectory Angle 27°



## 3/4" METAL SPRINKLER

### TECHNICAL INFORMATION - PART CIRCLE

- Available in 3/4" BSP/NPT Male Thread Connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Trajectory Angle 27°
- Part Circle Operation ranging from 20 to 340

Code	Models
270.1300031	3/4" Part Circle Metal Sprinkler
270.1300071	3/4" Metal Sprinkler



### TECHNICAL INFORMATION - FULL CIRCLE

- Available in 3/4" BSP/NPT Male Thread Connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Trajectory Angle 27°

PERFORMANCES			
	Bar	m	l/min
PART CIRCLE	2.07	10.6	9.0
	2.41	11.1	9.5
	2.76	11.6	10.3
	3.45	12.0	11.6

PERFORMANCES			
	Bar	m	l/min
FULL	2.11	13.5	34.1
	2.46	14.5	36.8
	2.81	16.0	40.7
	3.16	16.5	43.2

# 1" METAL SPRINKLER



Code	Models
270.1300040	1" Part Circle Metal Sprinkler
270.1300041	1" Metal Sprinkler

## TECHNICAL INFORMATION - PART CIRCLE

- Available in 1" BSP/NPT Male Thread Connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Both Part Circle & Full Circle operations possible
- Part Circle Operation ranging from 20 to 340
- Trajectory Angle 23"

## TECHNICAL INFORMATION - FULL CIRCLE

- Available in 1" BSP/NPT Male Thread Connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Both Part Circle & Full Circle operations possible
- Trajectory Angle 23"

### PERFORMANCES

	Bar	m	l/min
	2.76	17.4	62.5
	3.45	18.3	70.0
	4.48	20.3	79.5
	5.17	21.6	85.4

# 1"1/4 METAL SPRINKLER



Code	Models
270.1300401	1"1/4 Part Circle Metal Sprinkler
270.1300414	1"1/4 Metal Sprinkler

## TECHNICAL INFORMATION - PART CIRCLE

- Available in 1"1/4 BSP/NPT Male Thread Connection
- Law Angle 18° mode I also available
- Bronze Body and Arm
- Brass Bearing Sleeve and Nipple
- Stainless Steel Springs and Pivot Pin
- Part Circle Operation ranging from 20° to 340°
- Trajectory Angle 23°

## TECHNICAL INFORMATION - FULL CIRCLE

- Available in 1"1/4 BSP/NPT Male Thread Connection
- Pressure Die Cast Aluminium Body & Arm
- Works on low operating pressure also
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Trajectory Angle 23°

### PERFORMANCES

	Bar	m	l/min
	3.00	24.7	148.6
	4.00	26.8	172.0
	5.00	29.4	192.0
	6.00	31.2	210.4



TAP TIMER  
BATTERY  
CONTROLLER

CONTROLLER  
SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES

## 1/2" SPRINKLERS

**AQ-5LA7 / AQ-5LA15 / AQ-5N25**

- Available in 1/2" BSP/NPT Male Thread Connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs and Pivot Pin
- AQ-5LA7 - Low Trajectory Angle 7°
- AQ-5LA15 - Low Trajectory Angle 15°
- AQ-5N25 - Normal Trajectory Angle 25°

**AQ-5WLA7 / AQ-5WN23**

- Available in 1/2" BSP/NPT Male Thread Connection
- Wedge Drive Sprinkler
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs and Pivot Pin
- AQ-5WLA7 - Low Trajectory Angle 7°
- AQ-5WN23 - Low Trajectory Angle 23°

**AQ-05PC**

- Available in 1/2" BSP/NPT Male Thread Connection
- Bronze Body & Zamac pressure die casted arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Trip Mechanism
- Both Part Circle & Full Circle operations possible
- Part Circle Operation ranging from 20° to 340°
- Trajectory Angle 25°
- For agricultural use, bronze arm sprinkler also available

**AQ-22**

- Available in 1/2" Male Thread Connection
- Color coded nozzles for easy identification of size
- Body, Arm, Bearing & Nozzles made of Delrin for durability
- Specially designed Bayonet nozzles
- Stainless Steel Springs & Pivot Pin
- Trajectory Angle 24°

**AQ-22LA / 22LAW**

- Available in 1/2" Male Thread Connection
- Color coded nozzles for easy identification of size
- Body, Arm, Bearing & Nozzles made of engineering plastic (Delrin) for durability
- Specially designed Bayonet Nozzles
- Stainless Steel Springs & Pivot Pin
- Trajectory Angle available in 9°, 12° & 14°
- For low pressure application, wedge drive sprinkler (120) also available

**AQ-22PC**

- Available in 1/2" Male Thread Connection
- Body Arm, Bearing & Nozzles made of engineering plastic (Delrin) for durability
- Specially designed Bayonet nozzles
- Stainless Steel Springs & Pivot Pin
- Both Part/Full Circle operations possible
- Part Circle Operation ranging from 15° to 345°
- Trajectory Angle 25°

## 3/4" SPRINKLERS

**AQ-20 / AQ-20CS**

- Available in 3/4" BSP/NPT Male Thread Connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Trajectory Angle 27°
- Available in low Trajectory Angle 10° also (For better coverage in wind conditions)

**AQ-20AF**

- Available in 3/4" BSP/NPT Male Thread connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Cap made of LLDPE for durability
- Anti frost model
- Trajectory Angle 27°

**AQ-20PC**

- Available in 3/4" BSP/NPT Male Thread connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Stainless Steel Trip Mechanism
- Both Part Circle & Full Circle operations possible
- Part Circle Operation ranging from 20° to 340°
- Trajectory Angle 25°

**AQ-25**

- Available in 3/4" BSP/NPT Male Thread Connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Trajectory Angle 27°
- Available in low Trajectory Angle 10° also (For better coverage in wind conditions)

**AQ-46**

- Available in 3/4" BSP/NPT Male Thread connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Cap made of LLDPE for durability
- Anti frost model
- Trajectory Angle 27°

**AQ-46PC**

- Available in 3/4" BSP/NPT Male Thread connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Stainless Steel Trip Mechanism
- Both Part Circle & Full Circle operations possible
- Part Circle Operation ranging from 20° to 340°
- Trajectory Angle 25°

## SPECIAL SPRINKLERS



**AQ-23**

- Available in  $\frac{1}{2}$ " Male &  $\frac{3}{4}$ " Female BSP/NPT Thread
- Zamac pressure die casted Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Spring & Pivot Pin
- Specially designed Bayonet Nozzels for different water applications
- Trajectory Angle 30°



**AQ-15**

- Available in  $\frac{1}{2}$ " or  $\frac{3}{4}$ " BSP/NPT Female Thread
- Zamac pressure die casted Body & Arm
- Brass Bearing Sleeve & Nipple
- Brass Bearing Sleeve & Nipple
- Stainless Steel Spring & Pivot Pin
- Plastic parts made of engineering plastic (Delrin) for durability
- Trajectory Angle 30°



**AQ-35**

- Available in 1" BSP/NPT Female Thread Connection
- Zamac pressure die casted body & cast brass arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Spool made of engineering plastic (Delrin for durability)
- Trajectory Angle 30°

## 1" - 1"1/4 SPRINKLERS



**AQ-30**

- Available in 1" BSP/NPT Female Thread Connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Pivot Pin & Springs
- Trajectory Angle : 27°



**AQ30P**

- Available in 1" BSP/NPT Female Thread Connection
- Body, Arm & Bottom Bearing made of engineering plastic (Delrin) for durability
- Brass Nozzles
- Stainless Steel Spring & Pivot Pin
- Trajectory Angle 25°



**AQ-30B**

- Available in 1" BSP/NPT Male Thread Connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Trajectory Angle 23°



**AQ-30BPC**

- Available in 1" BSP/NPT Male Thread Connection
- Bronze Body & Arm
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Both Part Circle & Full Circle operations possible
- Part Circle Operation ranging from 20° to 340°
- Trajectory Angle 23°



**AQ-40B**

- Available in 1 $\frac{1}{4}$ " BSP/NPT Male Thread Connection
- Low Angle 18° model also available
- Bronze Body and Arm
- Brass Bearing Sleeve and Nipple
- Stainless Steel Springs and Pivot Pin
- Trajectory Angle 23°



**AQ-40BPC**

- Available in 1 $\frac{1}{4}$ " BSP/NPT Male Thread Connection
- Low Angle 18° model also available
- Bronze Body and Arm
- Brass Bearing Sleeve and Nipple
- Stainless Steel Springs and Pivot Pin
- Part Circle Operation ranging from 20° to 340°
- Trajectory Angle 23°

## ALUMINUM SPRINKLER & WATER GUNS



**AQ-40M**

- Available in 1 $\frac{1}{4}$ " BSP/NPT Male Thread Connection
- Pressure Die Cast Aluminium Body & Arm
- Works on low operating pressure also
- Brass Bearing Sleeve & Nipple
- Stainless Steel Springs & Pivot Pin
- Trajectory Angle 23°



**AQ-40G**

- Available in 1 $\frac{1}{4}$ " BSP/NPT Female Thread Connection
- Both Part Circle & Full Circle adjustments
- Adjustable Jet breaker to provide uniform distribution
- Equipped with 3 interchangeable nozzles of different sizes for various applications
- Trajectory Angle 30°



**AQ-42G**

- Available in  $\frac{1}{2}$ " BSP/NPT Female Thread Connection
- Both Part Circle & Full Circle adjustments
- Adjustable Jet breaker to provide uniform distribution
- Equipped with 3 interchangeable nozzles of different sizes for various applications
- Trajectory Angle 2

TAP TIMER

BATTERY  
CONTROLLER

CONTROLLER  
SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES



Code	Models
500.0136500	STANDARD DRIP LINE BLACK 25 M
500.0136600	STANDARD DRIP LINE BLACK 50 M
800.5020450	STANDARD DRIP LINE BLACK 100 M
800.5020125	STANDARD DRIP LINE BROWN 25 M
800.5010103	STANDARD DRIP LINE BROWN 50 M
800.5020102	STANDARD DRIP LINE BROWN 100 M

## STANDARD DRIP LINE

### FEATURES AND BENEFITS

A quick, simple system to water flower beds and vegetable gardens efficiently and without wasting resources.

The water is dispensed by the labyrinth drippers integrated into the hose, moistening the soil near the roots, minimising waste due to evaporation. Flexible and made with high quality material, its brown colour camouflages it on the soil. 1/2" (13 - 16 mm) polyethylene tube. Fitted with internal 2 l/h labyrinth drippers at 33 cm intervals which ensure even irrigation over the entire cultivated area. Reduced water consumption: operating 0,5 - 1 bar.

### TECHNICAL INFORMATION

- Range di 2.2 l/h
- Drip pitch: 0.3 m
- Operating pressure: 0.8 – 2.5 bar
- Pipe diameter: 16 mm
- Pipe gauge: 0.9 mm

Tabella lunghezze massime per ala gocciolante STANDARD

Gocciolatore	Passo Gocciolatori (cm)								Distanza [m]
	0.20	0.30	0.40	0.50	0.60	0.70	1.00	1.50	
16/1.4	63	84	103	120	136	158	190	248	
16/2.2	45	60	73	86	97	113	136	177	
16/3.1	36	49	60	71	71	93	113	147	

(Pressione di esercizio = 2.0 atm; Dislivello = 0%)

## PC DRIP LINE

### FEATURES AND BENEFITS

Drippers consists of a cylinder with a labyrinthine-like water passage, filter and diaphragm. The dripper continuously adjusts to varying water pressure ensuring a constant flow rate.

Earth-line brown PC drip-line can be covered with mulch, used below or above the ground.

### TECHNICAL INFORMATION

- Range di 2.2 l/h
- Drip pitch: 0.3 m
- Operating pressure: 0.8 – 2.5 bar
- Pipe diameter: 16 mm
- Pipe gauge: 0.9 mm

Code	Models
800.5030102	PC DRIP LINE BROWN 25 M
800.5030101	PC DRIP LINE BROWN 50 M
800.5020103	PC DRIP LINE BROWN 100 M
800.5010400	PC DRIP LINE BROWN 400 M



Tabella lunghezze massime per ala gocciolante AUTOCOMPENSANTE

Gocciolatore	Passo Gocciolatori (cm)								Distanza [m]
	0.20	0.30	0.40	0.50	0.60	0.70	1.00	1.50	
16/1.4	112	161	206	249	289	344	430	582	
16/2.2	97	138	176	212	245	291	362	488	
16/3.1	68	98	126	152	176	211	264	357	
20/1.4	168	241	308	371	431	515	642	869	
20/2.2	151	214	272	326	376	446	552	738	
20/3.1	102	147	188	227	263	315	394	534	

(Pressione di esercizio = 4.3 atm; Dislivello = 0%)



# PVC MANIFOLD MULTI PORTS 1"



1. ORING FOR ANTEAK SEAL



3. VALVE UNION CONNECTION



2. WIDE INTERNAL DIAMETER



4. STRONG UNION PAWL



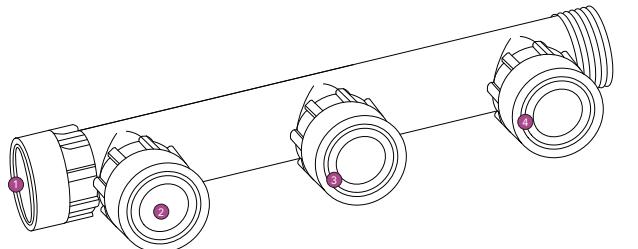
## DESCRIPTION

The great success of 1" Manifolds system with OR is due to a simple word: **"easy-to-install"**.

## TECHNICAL INFORMATION

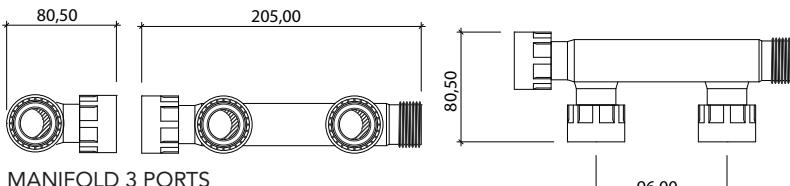
- Made of PVC
- PN12
- Completely automatical assembling
- Packed in plastic bags of 1 piece each
- BSP

Code	Models
145.2000000	MANIFOLD SYSTEM 2 PORTS 1": Swivel x M x Swivel (2)
145.3000000	MANIFOLD SYSTEM 3 PORTS 1": Swivel x M x Swivel (3)
145.4000000	MANIFOLD SYSTEM 4 PORTS 1": Swivel x M x Swivel (4)
145.1000000	CAP 1"
143.1000915	PP BALL VALVE 1" M x UN

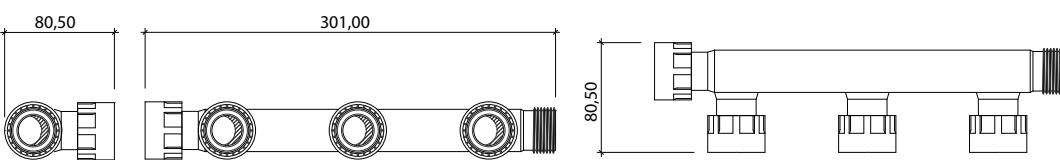


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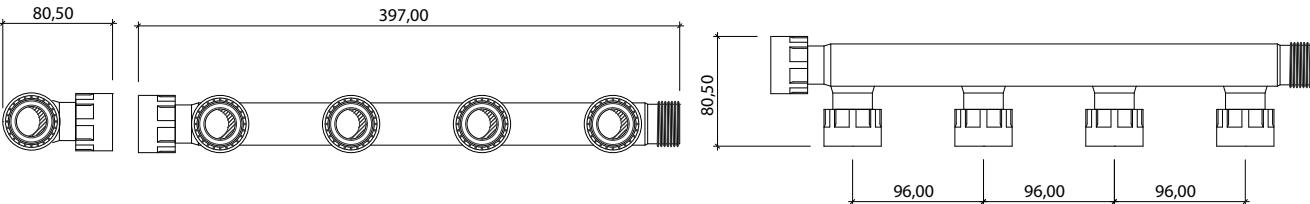
## MANIFOLD 2 PORTS



## MANIFOLD 3 PORTS



## MANIFOLD 4 PORTS





# PVC MANIFOLD 1"

Family of PVC fittings 1" with OR

## TECHNICAL INFORMATION

- Made of PVC
- PN12
- Completely automatical assembling
- Packed in plastic bags of 1 piece each
- BSP

Code	Models
145.1100000	TEE FxFxM 1"
145.8100000	CROSS FxFxFxM 1"
145.8000000	CROSS FxFxFxF 1"
145.7000000	ELBOW FxF 1"
145.7100000	ELBOW FxM 1"
600.5002015	NIPPLE 1"
145.6100000	ADAPTOR FxM 1"
145.6000000	COUPLING FxF 1"
600.5002020	NIPPLE 1" x 3/4"

1. ORING FOR ANTILEAK SEAL



3. VALVE UNION CONNECTION



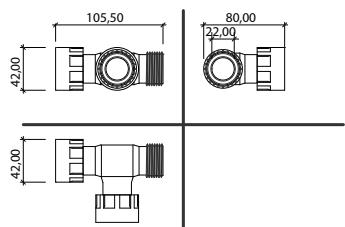
2. WIDE INTERNAL DIAMETER



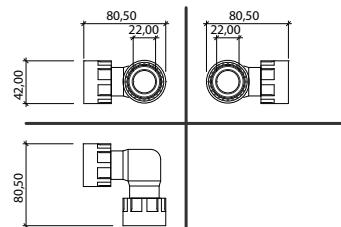
4. STRONG UNION PAWL



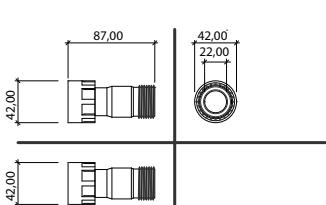
TEE FxFxM 1"



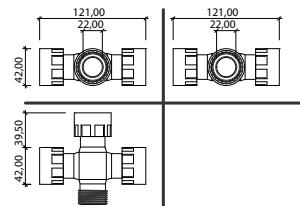
ELBOW FxF 1"



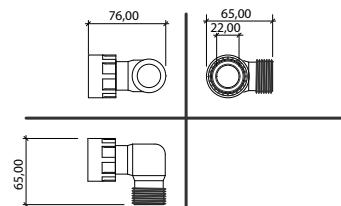
ADAPTOR FxM 1"



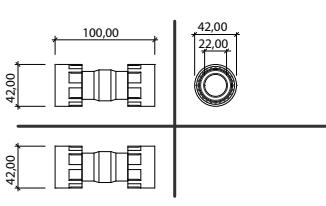
CROSS FxFxFxM 1"



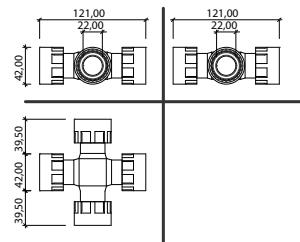
ELBOW FxM 1"



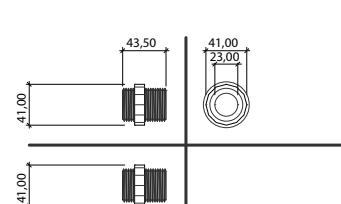
COUPLING FxF 1"



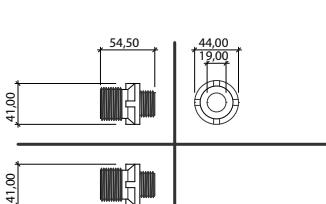
CROSS FxFxFxF 1"



NIPPLE 1"



NIPPLE 1" x 3/4"



# PVC MANIFOLD 1"1/2 & 2"

Family of PVC fittings 1"1/2 & 2" with OR

## TECHNICAL INFORMATION

- Made of PVC
- PN12
- Completely automatical assembling
- Packed in plastic bags of 1 piece each
- BSP

Code	Models
146.1100000	TEE FxFxM 1"1/2
147.1100000	TEE FxFxM 2"
146.8100000	CROSS FxFxFxM 1"1/2
147.8100000	CROSS FxFxFxM 2"
146.7000000	ELBOW FxF 1"1/2
147.7000000	ELBOWO FxF 2"
146.7100000	ELBOW FxM 1"1/2
147.7100000	ELBOW FxM 2"
146.9000112	NIPPLE 1"1/2
146.9000000	NIPPLE 1"1/2 x 1"
146.9000114	NIPPLE 1"1/2 x 1"1/4"

1. ORING FOR ANTI LEAK SEAL



3. VALVE UNION CONNECTION



4. STRONG UNION PAWL



TEE FxFxM



ELBOW FxF



NIPPLE 1"1/2



CROSS FxFxFxM



ELBOW FxM



NIPPLE



# P.P. BARCODE FITTINGS

## TECHNICAL INFORMATION

- Made of PP
- PN10
- Completely automatical assembling



1. BARCODE

2. O-RING



Code	Models
610.8103412	BUSHING MF 3/4"X1/2" W/OR
610.8103400	BUSHING MF 1"X3/4" W/OR
610.1201200	NIPPLE 1/2" W/OR
610.1203400	CROSS 3FxM 1"1/2"
610.1201000	NIPPLE 1" W/OR
610.1103412	REDUCTION NIPPLE 3/4"X1/2" W/OR
610.1103400	REDUCTION NIPPLE 1"X3/4" W/OR
610.2201200	COUPLER 1/2" W/OR
610.2203400	COUPLER 3/4" W/OR
610.2201000	COUPLER 1" W/OR
610.2103412	REDUCTION COUPLER 3/4"X1/2" W/OR
610.2103400	REDUCTION COUPLER 1"X3/4" W/OR
610.3201200	ELBOW 90 1/2" F W/OR
610.3203400	ELBOW 90 3/4" F W/OR
610.3201000	ELBOW 90 1" F W/OR
610.4201200	TEE 1/2" F W/OR
610.4203400	TEE 3/4" F W/OR
610.4201000	TEE 1" F W/OR

BUSHING MF W/OR



REDUCTION NIPPLE W/OR



ELBOW 90 F W/OR



NIPPLE W/OR



COUPLER W/OR



TEE F W/OR



# ROUND VALVE BOXES "EZOPEN" PAT



## DESCRIPTION

The new round valve box is opened by simply lifting and pulling a discreet handle embedded in the lid. Each valve box has an anti vandal bolt for additional security. A specially designed model bracket inside the box allows easy and tidy wire installation to fit Rain's battery controller to PZCM 25. This is an unique, patented product in the irrigation market.

## TECHNICAL INFORMATION

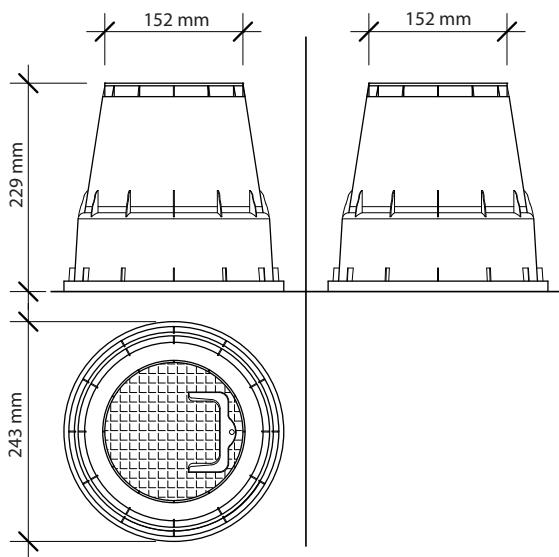
- Material: 100% polypropylene
- UNI EN 124 A class A 15 (Peak load > 15 Kn)

## AVAILABLE VERSIONS

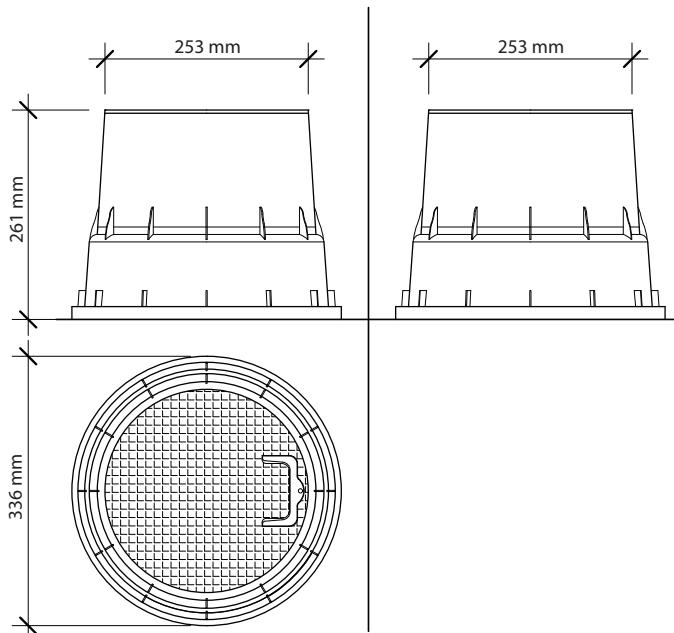
- PZCM RN15 D. 152/243 x H 229 mm
- PZCM RN25 D. 253/336 x H 261 mm
- Black body - Green lid
- Green body - Green lid

Code	Models	Pallet Q.ty
210.3001150	PZCM "EzOPEN" RN 15 BLACK BODY	792
210.3001250	PZCM "EzOPEN" RN 25 BLACK BODY	396
210.3002150	PZCM "EzOPEN" RN 15 GREEN BODY	792
210.3002250	PZCM "EzOPEN" RN 25 GREEN BODY	396
125.0115010	GREEN LID 15	
125.0125010	GREEN LID 25	

## PZCM 15



## PZCM 25





1. EZOPEN HANDLE & ANTIVANDALISM SCREW



1. RACLAimed WATER LID VERSION (RW)



1. BRACKET FOR RAIN EVO



1. RACK FOR WIRES CONNECTORS



# RECTANGULAR VALVE BOXES "EZOPEN" PAT

## DESCRIPTION

The new rectangular valve box is opened by simply lifting and pulling a discreet handle embedded in the lid. Each valve box has an anti-vandal bolt for additional security. A specially designed model bracket inside the box allows easy and tidy wire installation to fit Rain's battery controller. This is an unique, patented product in the irrigation market. Valve boxes available in standard rectangular 12 In. and Jumbo 20 In.

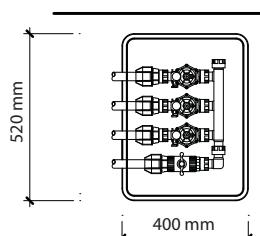
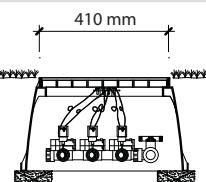
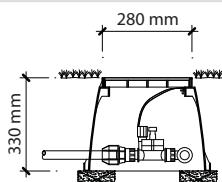
## TECHNICAL INFORMATION

- Material: 100% polypropylene
- UNI EN 124 A class A 15 (Peak load > 15 Kn)

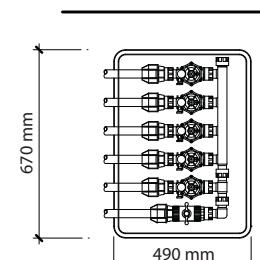
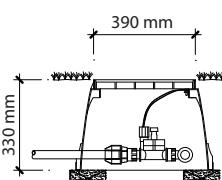
## AVAILABLE VERSIONS

- PZRM 113 12 In: 520 x 400 x 330 mm
- PZRM 115 20 In: 670 x 490 x 330 mm
- Black body - Green lid
- Green body - Green lid

Code	Models	Pallet Q.ty
210.3001113	PZRM 113 "EzOPEN" BALCK BODY	144
210.3001115	PZRM 115 "EzOPEN" BALCK BODY	96
210.3002113	PZRM 113 "EzOPEN" GREEN BODY	144
210.3002115	PZRM 115 "EzOPEN" GREEN BODY	96
210.2100113	GREEN LID 113	
210.2100115	GREEN LID 115	
210.2109113	VIOLET LID 113	
210.2109115	VIOLET LID 115	

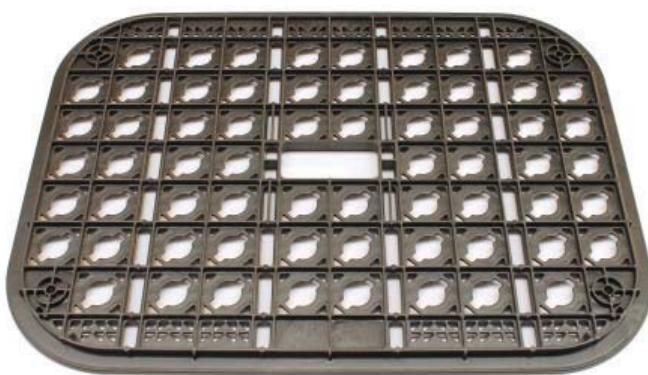


**PZRM 113**



**PZRM 115**

# VALVE BOX RACK FOR "EZOPEN"™ PAT



**210.9001113**



**210.9901113**

## AVAILABLE VERSIONS

- Customizable in many different configurations
- Easy installation on walls of technical rooms
- its special design helps to keep orderly and clean the valve box to simplify the maintenance of the installation
- The manifold hooks allow an easy installation of the valve box
- Compatible with standard rectangular valve box (PZRM113)

Rain SpA presents the new patented VALVE BOX RACK. Compatible with Rain's standard rectangular valve box (mod. PZRM113), it has been studied to do the fastest and cleanest installation of solenoid valves, manifold and fittings inside the valve box.

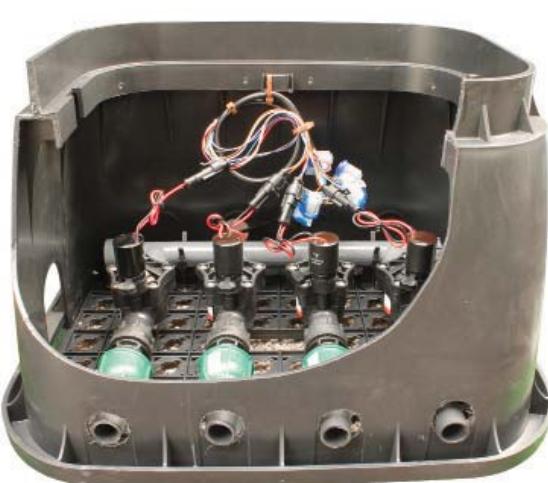
The installation of the valve system will be customizable in many different configurations, in fact the manifold hooks can be freely placed on the rack to meet all the needs of any specific installation. It will keep the valve system raised from the soil, ensuring over the time a good level of cleanliness, which will further easy maintenance or replacement of the components in the future.

The VALVE BOX RACK can be also installed in vertical position, to permit also an easy installation on walls of technical rooms.

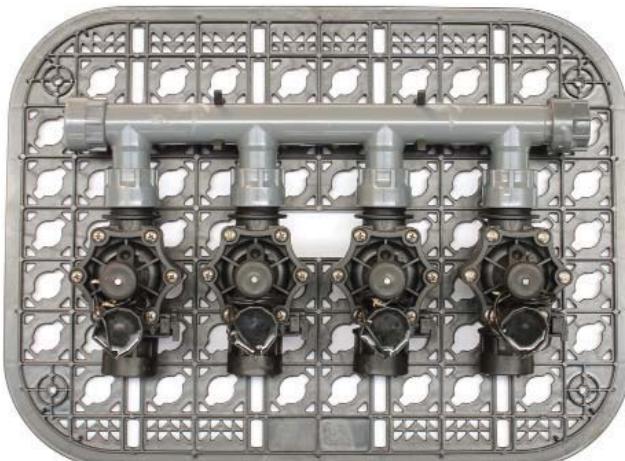
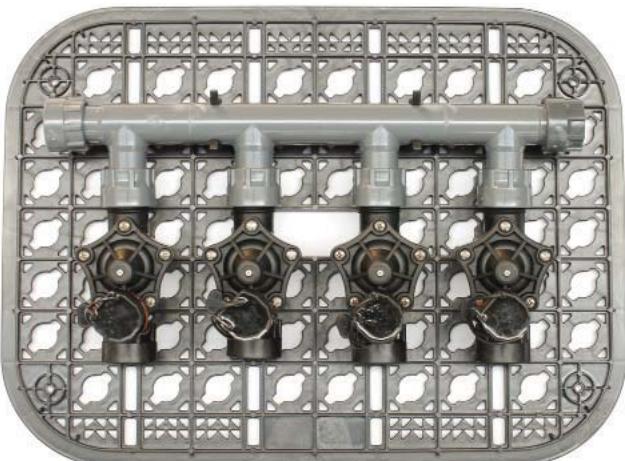
Code	Models
210.9001113	VALVE BOX RACK FOR "EZOPEN" + 4 HANGER
210.9901113	HANGER FOR RACK
100.4151130	KIT WITH BOX RACK AND 4 ELECTRIC VALVES 150 1" MxUN
100.1561130	KIT WITH BOX RACK AND 4 ELECTRIC VALVES 155 1" MxUN



**100.4151130**



**100.1561130**



TAP TIMER  
BATTERY

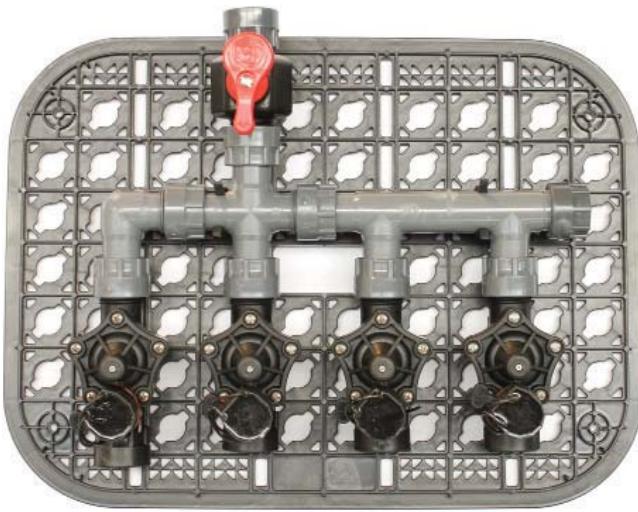
CONTROLLER  
CONTROLLER

SENSOR  
ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES



### SUGGESTED COMPOSITION #1

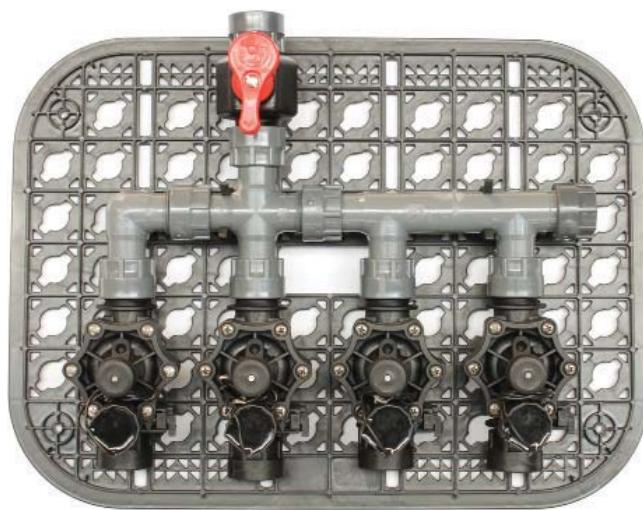
- Ball valve for inlet 1"
- 4 x RN 150 electric valves for output
- Final cap for drain

Code	Models	Q.ty
143.2000000	PP BALL VALVE 1" M x UN	1
100.4400915	RN 150 1" M X UN W/FC 24VAC	4
145.1100000	TEE FxFxM 1"	1
145.8100000	CROSS FxFxFxM 1"	1
145.2000000	MANIFOLD SYSTEM 2 PORTS 1": Swivel x M x Swivel (2)	1
145.1000000	CAP 1" F	1
210.9001113	VALVE BOX RACK FOR "EZOPEN" + 4 HANGER	1

### SUGGESTED COMPOSITION #2

- Ball valve for inlet 1"
- 4 x RN 155 electric valves for output
- Final cap for drain

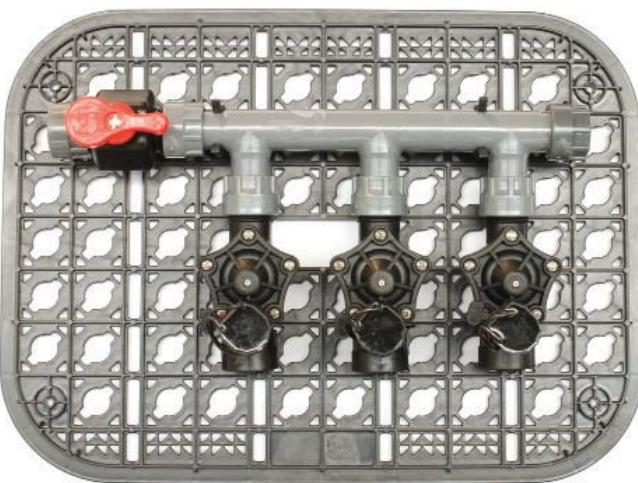
Code	Models	Q.ty
143.2000000	PP BALL VALVE 1" M x UN	1
100.1560915	RN 155 1" M X UN W/FC 24VAC	4
145.1100000	TEE FxFxM 1"	1
145.8100000	CROSS FxFxFxM 1"	1
145.2000000	MANIFOLD SYSTEM 2 PORTS 1": Swivel x M x Swivel (2)	1
145.1000000	CAP 1" F	1
210.9001113	VALVE BOX RACK FOR "EZOPEN" + 4 HANGER	1



### SUGGESTED COMPOSITION #3

- Ball valve for inlet 1"
- 3 x RN 150 electric valves for output
- Final cap for drain

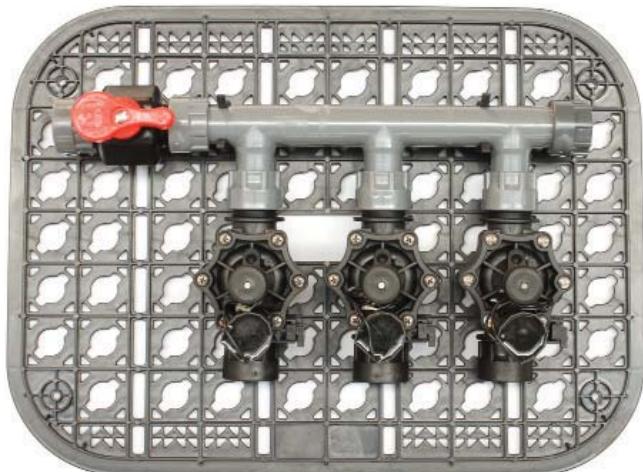
Code	Models	Q.ty
143.2000000	PP BALL VALVE 1" M x UN	1
100.4400915	RN 150 1" M X UN W/FC 24VAC	3
145.3000000	MANIFOLD SYSTEM 3 PORTS 1": Swivel x M x Swivel (3)	1
145.1000000	CAP 1" F	1
210.9001113	VALVE BOX RACK FOR "EZOPEN" + 4 HANGER	1

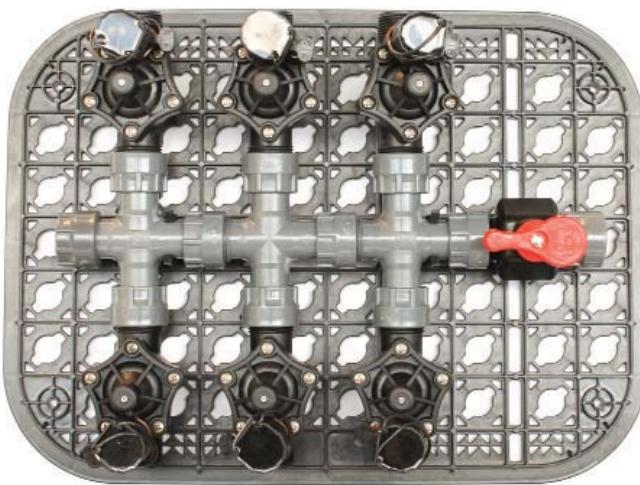


### SUGGESTED COMPOSITION #4

- Ball valve for inlet 1"
- 3 x RN 155 electric valves for output
- Final cap for drain

Code	Models	Q.ty
143.2000000	PP BALL VALVE 1" M x UN	1
100.1560915	RN 155 1" M X UN W/FC 24VAC	3
145.3000000	MANIFOLD SYSTEM 3 PORTS 1": Swivel x M x Swivel (3)	1
145.1000000	CAP 1" F	1
210.9001113	VALVE BOX RACK FOR "EZOPEN" + 4 HANGER	1





### SUGGESTED COMPOSITION #5

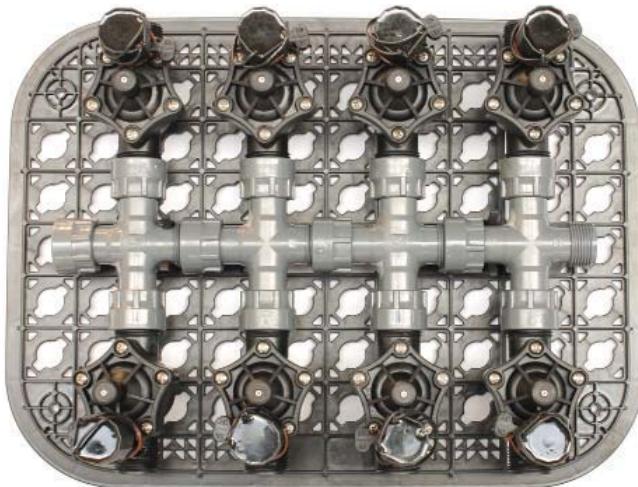
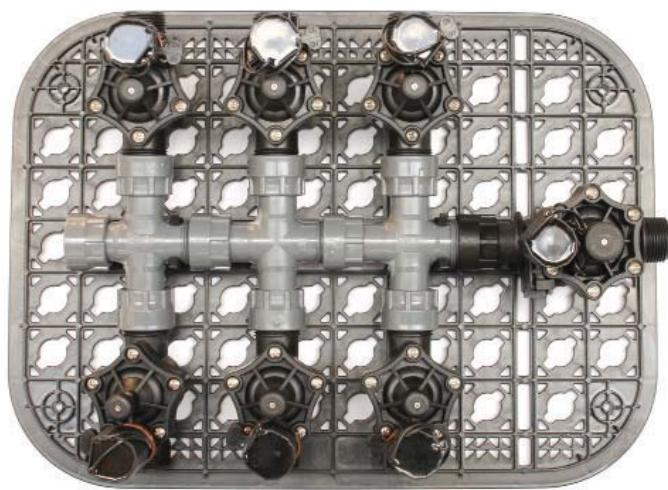
- Ball valve for inlet 1"
- 6 x RN 150 electric valves for output
- Final cap for drain

Code	Models	Q.ty
143.2000000	PP BALL VALVE 1" M x UN	1
100.4400911	RN 150 1" W/FC 24VAC	6
145.8100000	CROSS FxFxFxM 1"	3
210.9001113	VALVE BOX RACK FOR "EZOPEN" + 4 HANGER	1

### SUGGESTED COMPOSITION #6

- RN 155 for inlet (master valve)
- 6 x RN 150 electric valves for output
- Final cap for drain

Code	Models	Q.ty
100.1560915	RN 155 1" M X UN W/FC 24VAC	1
100.4400911	RN 150 1" M W/FC 24VAC	6
145.8100000	CROSS FxFxFxM 1"	3
210.9001113	VALVE BOX RACK FOR "EZOPEN" + 4 HANGER	1



### SUGGESTED COMPOSITION #7

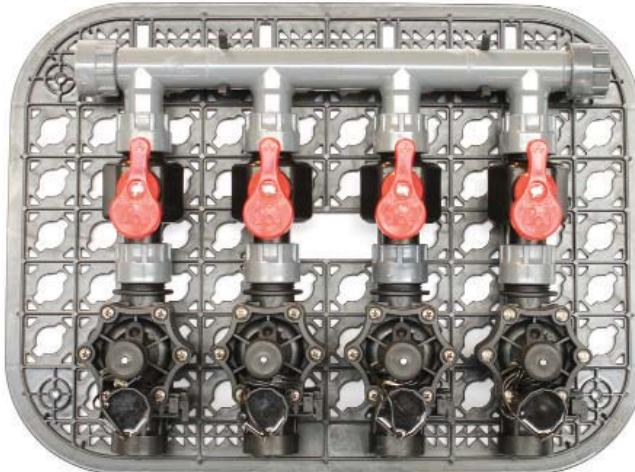
- Female threaded inlet 1"
- 8 x RN 150 electric valves for output
- Final cap for drain

Code	Models	Q.ty
100.4400911	RN 150 1" M W/FC 24VAC	8
145.8100000	CROSS FxFxFxM 1"	4
145.1000000	CAP 1" F	1
210.9001113	VALVE BOX RACK FOR "EZOPEN" + 4 HANGER	1

### SUGGESTED COMPOSITION #8

- Female threaded inlet 1"
- 4 x ball valves for manual exclusion
- 4 x RN 155 electric valves for output
- Final cap for drain

Code	Models	Q.ty
143.2000000	PP BALL VALVE 1" M x UN	4
100.1560915	RN 155 1" M X UN W/FC 24VAC	4
145.4000000	MANIFOLD SYSTEM 4 PORTS 1": Swivel x M x Swivel (4)	1
145.1000000	CAP 1" F	1
210.9001113	VALVE BOX RACK FOR "EZOPEN" + 4 HANGER	1



TAP TIMER  
BATTERY

CONTROLLER  
CONTROLLER

SENSOR  
ELECTRIC VALVES

SPRINKLER  
FITTINGS

ACCESSORIES



1. 3/4" MALE THREAD VALVE



2. INLET 3/4" FEMALE THREAD



## ROUND VALVE BOX WITH 3/4" BALL VALVE

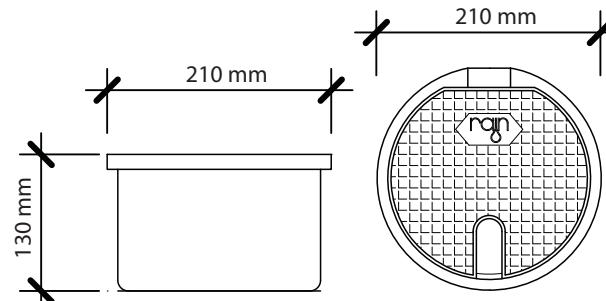
### TECHNICAL INFORMATION

- Material: 100% polypropilene
- Valve material: zinc alloy
- Valve 3/4" male thread
- Intel 3/4" famale thread
- High resistance lid

### AVAILABLE VERSIONS

- PZCR RN15 D. 210/210 x H130 mm
- Black body - Green lid

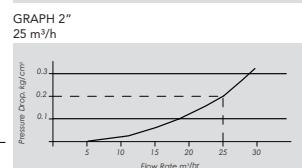
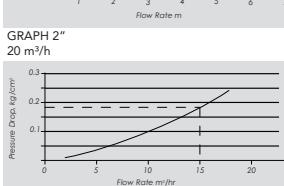
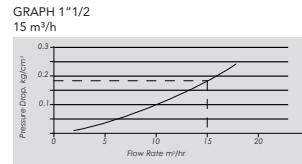
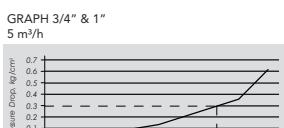
Code	Models	Pallet Q.ty
210.3000100	PZCR RN 15	288
125.3000120	GREEN LID	



## Y SCREEN FILTER

### TECHNICAL INFORMATION

- Corrosion resistant
- Easy to install
- Low maintenance
- Available in 80 mesh & 150 mesh



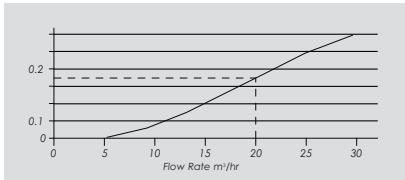
Code	Models
360.2501000	FILTER 3/4" M - 120 mesh 5 mc/hr
360.2501010	FILTER 1" M - 120 mesh 5 mc/hr
360.2501020	FILTER 1"1/4 M - 120 mesh 15 mc/hr
360.2501030	FILTER 1"1/2 M - 120 mesh 20 mc/hr
360.2501040	FILTER 2" M - 120 mesh 25 mc/hr

Specifications	3/4" & 1"	1"1/4	1"1/2 & 2"
Max Pressure:	5.8 bar	5.8 bar	7.1 bar
Mesh Size:	120 mesh/ 130 micron	120 mesh/ 130 micron	120 mesh/ 130 micron
Range of Flow Rate:	4 - 6 m³/hr	12 - 16 m³/hr	18 - 27 m³/hr
Nominal Flow rate:	5 m³/ora	15 m³/ora	20/25 m³/hr
Clean Pressure drop:	max 0.3 kg/ cm²	max 0.18 kg/ cm²	max 0.3 kg/ cm²
Filtration Surface Area :	120 cm²	295 cm²	295 cm² 492 cm²
Filtering Cartridge:	Stainless Steel Screen	Stainless Steel Screen	Stainless Steel Screen
Cartridge Diameter:	48 mm	69 mm	64 mm 104 mm
Cartridge Length:	150 mm	222 mm	222 mm 286 mm
Weight:	0.23 kg	0.85 kg	0.810 kg 1.850 kg

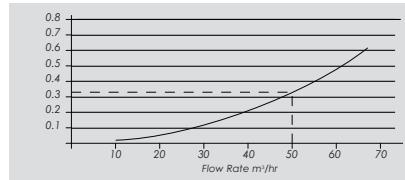
# T SCREEN FILTER



**FILTER 2" M - screen 120 mesh 20 m3/hr**



**FILTER 3" M - screen 120 mesh 50 m3/hr**



## TECHNICAL INFORMATION

- Corrosion resistant
- Easy to install
- Low maintenance
- Also available in 80 mesh & 150 mesh

Code	Models
280.7501040	FILTER 2" M - screen 120 mesh 20 m3/hr
280.7501050	FILTER 3" M - screen 120 mesh 50 m3/hr



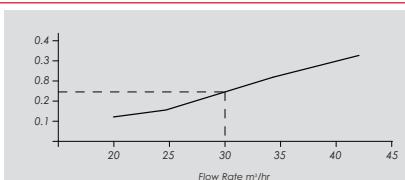
# T DISC FILTER

## TECHNICAL INFORMATION

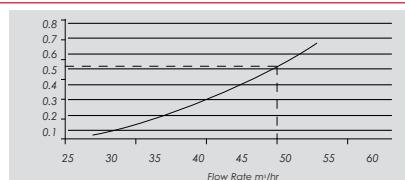
- Corrosion resistant
- Easy to install
- Low maintenance
- Also available in 80 mesh & 150 mesh
- Halix effect to separate solid particles

Code	Models
280.5501040	FILTER 2" M - disc 120 mesh 30 m3/hr
280.5501050	FILTER 3" M - disc 120 mesh 40 m3/hr
280.5501055	FILTER 3" M - disc 120 mesh 50 m3/hr

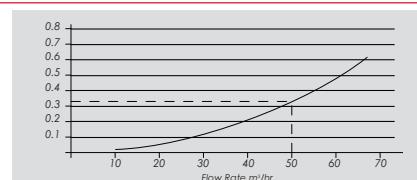
**FILTER 2" M - disc 120 mesh 30 m3/hr**



**FILTER 3" M - disc 120 mesh 40 m3/hr**



**FILTER 3" M - disc 120 mesh 50 m3/hr**





## HYDROCYCLONE FILTER

### PRODUCT SPECIFICATIONS & MEASUREMENTS

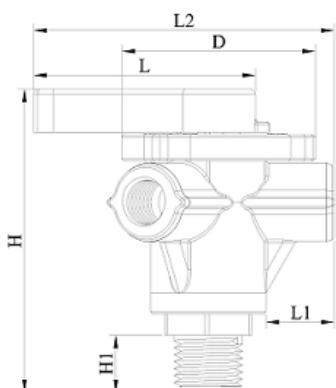
Body made of reinforced engineering plastic for durability.

- Hydro dynamically designed to create maximum centrifugal action.
- Dirt can be easily flushed out through drain port.
- Collector chamber can be easily cleaned by opening collector cover.
- Facility for slip-on flanges for easy installation.
- Easy to install and low maintenance.
- New Stand for Height increase.
- Collector chamber available in 8 Hr. & 10 11r. sizes.

Code	Models
280.9014400	HYDROCYCLONE FILTER 2"
280.9014600	HYDROCYCLONE FILTER 3"

### Performance Data

Model No.	Inlet / Outlet Inch/mm	Rec. Range of Flow Rate, m³/hr	Nominal Flow Rate m³/hr	Dimensions (mm)					Capacity of Underflow Chamber (ltr)	Gross Weight
				A	B	C	D	E		
144M	2" /50	15-25	25	940	808	206	151	395	8	7.6 kg.
145M	2½" /65	25-40	30	940	815	206	151	395	8	7.8 kg.
146M	3" / 80	35-50	50	990	868	248	175	482	10	9.6 kg.



## Y-TYPE PLASTIC THREE WAY - BALL VALVE

### PRODUCT SPECIFICATIONS & MEASUREMENTS

- Designed for three hydraulic flow control positions.
- Common Port at base of the valve body.
- Base Port Thread: Male threaded 1/4" -19 BSP or 1/4" -18NPT
- Three Ports Thread: Female threaded 1/8" - 28 BSPT or 1/8" - 27 NPT
- Passage Size: 3.5mm
- Max. Pressure: 10 Bar/ 145Psi
- One moving part only.
- Three hydraulic control positions: Open, Close & Automatic.
- All valves are sealed when handle position in between port position.
- User friendly design allows smooth operation of handle with position indicator.
- All Plastic parts are Chemical/Corrosion resistant, Color UV stabilized.

### Dimensions

Size	D	L	L1	L2	H	H1
	36.8	43	12.8	58	58.4	11

### Specification of Material

PART NO.	PART NAME	MATERIAL	QTY.
1	Base	PPGF/PBT	1
2	Base O-ring	EPDM/NBR	1
3	Stem O-ring	EPDM/NBR	2
4	Stem Seal	Teflon (PTFE)	3
5	Stem	PPGF/PBT	1
6	Body	PPGF/PBT	1
7	Body Cover	ABS/PPGF	1
8	Handle	ABS/PPGF	1
9	Screw	Stainless Steel	1



# VENTURI INJECTOR

Code	Models
140.1000034	RNHV VENTURI 3/4"
140.1000100	RNHV VENTURI 1"
140.1000112	RNHV VENTURI 1"1/2
140.1000200	RNHV VENTURI 2"
140.2000000	RNHV kit
140.2000100	ASPIRATION KIT - venturi 3/4" & 1"
140.2000112	ASPIRATION KIT - venturi 1"1/2
140.2000200	ASPIRATION KIT - venturi 2"
140.3000100	REGULATION KIT - venturi 3/4" e 1"
140.3000112	REGULATION KIT - venturi 1"1/2
140.3000200	REGULATION KIT - venturi 2"

MOD. 1"1/2			
Inlet pressu- re Bar	Outlet pressu- re bar	Suction l/h	Motive flow l/min
1	0	600	60
1	0.4	360	58
1	0.6	240	58
1	0.8	40	50
1.4	0	580	74
1.4	0.2	514	72
1.4	0.4	485	70
1.4	0.6	410	70
1.4	0.8	290	68
1.4	1	160	66
1.7	0	620	75
1.7	0.2	610	75
1.7	0.35	570	75
1.7	0.7	480	72
1.7	1	335	70
2.1	0	600	85
2.1	0.35	600	85
2.1	0.7	560	85
2.1	1	440	84
2.5	0	620	95
2.5	0.35	580	95
2.5	0.7	575	95
2.5	1.2	500	90
3	0	630	115
3	0.35	630	115
3	0.7	625	115
3	1.2	600	110
3	1.5	560	110
4	0	620	130
4	0.5	610	130
4	1	600	130
4	0	600	130
4	1.5	560	125
4	2.5	450	120
4	3	250	120
5	0	610	150
5	0.5	610	150
5	1	620	145
5	1.5	620	145
5	2	600	140
5	2.5	580	140
5	3	470	140
5	3.5	285	135

MOD. 2"			
Inlet pressu- re Bar	Outlet pressu- re bar	Suction l/h	Motive flow l/min
0.5	0	3850	960
0.75	0	5040	980
1	0	5820	1020
1	0.25	5820	1020
1	0.5	5820	910
1.5	0	6750	1100
1.5	0.5	6750	1100
1.5	0.75	6750	960
1.5	1	6750	660
2	0	7540	1100
2	0.5	7540	1060
2	0.75	7540	1020
2	1	7540	970
2	1.25	7540	700
2	1.5	7540	400
2.5	0	8280	1100
2.5	0.5	8280	1100
2.5	0.75	8280	1020
2.5	1	970	1020
2.5	1.25	8280	980
2.5	1.5	8280	720
2.5	1.75	8280	520
2.5	2	8280	200
3	0	8990	1060
3	1	8990	1060
3	1.25	8990	1060
3	1.5	8990	1060
3	1.75	8990	920
3	2	8990	620
3	2.25	8990	200
3	2.5	8990	-
4	0	10220	1060
4	1	10220	1060
4	2	10220	1060
4	2.25	10220	980
4	2.5	10220	820
4	2.75	10220	540
5	0	11310	1060
5	1	11310	1060
5	2	11310	1060
5	3	11310	980
5	3.25	11310	420

## DESCRIPTION

Injectors RNV PLUS are available in size 3/4", 1" and 1"1/2 and are studied to mix any kind of liquids or air into the main pipes.

Their application is not used for irrigation only, but also for chemical industrial use.

Rain company utilizes its advanced technology in production to provide optimum performance with maximum energy efficiency, it is in fact minimum the pressure differential required for injector RNV PLUS working.

Injector RNV PLUS is equipped by a non-return valve composed by chemical resistant accessories (sphere in Teflon- gasket in Tecnofluon).

## TECHNICAL FEATURES

- Delivers plant nutrients directly into the wetted zone
- In-built check valve for protecting the injected liquid against back flow
- Can be used with a large variety of chemicals
- Uniform application of fertilizers
- Saves Energy & Manpower

## ROTAMETER SPECIFICATIONS

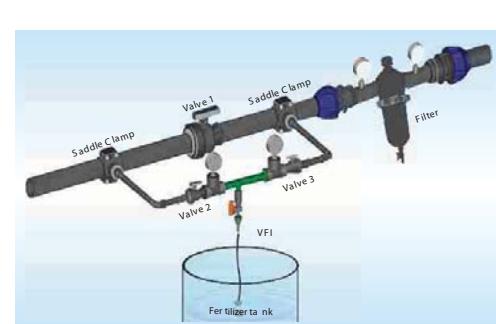
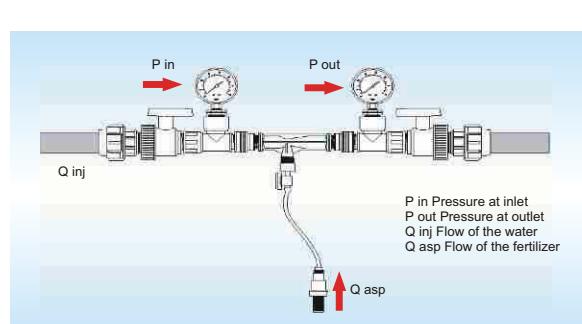
- Rotameter: Float-Type
- Rotameter Flow Rate Marking: 50-200 LPH
- Least Count: 10 LPH

### MOD. 3/4"

Inlet pressu- re Bar	Outlet pressu- re bar	Suction l/h	Motive flow l/min
0.7	0.4	50	10
0.7	0.5	0	8
1	0	70	13
1	0.4	98	12.5
1	0.6	55	12
1	0.8	30	11.8
1.4	0	70	15
1.4	0.2	70	15
1.4	0.4	70	15
1.4	0.6	66	14.8
1.4	0.8	55	14.1
1.4	1	38	13.6
1.7	0	70	16.3
1.7	0.2	70	16.3
1.7	0.35	68	16.3
1.7	0.7	68	16.3
1.7	1	60	16
2.1	0	68	18.3
2.1	0.35	66	18.3
2.1	0	80	9

### MOD. 1"

Inlet pressu- re Bar	Outlet pressu- re bar	Suction l/h	Motive flow l/min
0.7	0.4	150	30
0.7	0.5	105	30
1	0	220	33
1	0.4	198	32
1	0.6	135	30
1	0.8	0	28
1.4	0	200	40
1.4	0.2	200	40
1.4	0.4	200	40
1.4	0.6	190	38
1.4	0.8	138	35
1.4	1	100	35
1.7	0	200	42
1.7	0.2	197	42
1.7	0.35	197	42
1.7	0.7	195	42
1.7	1	180	41
2.1	0	195	47
2.1	0.35	195	47
2.1	0	---	---





## BVS WIRE CONNECTORS

Wire Connectors

### DESCRIPTION

The BVS Series connectors are the affordable alternative to traditional waterproof wire connectors. All three connectors have a UL listing for raintight, watertight and are filled with high grade silicone that won't harden or run. Their unique style provides superior wire restraint and an ease of use that is unrivaled.

- Strong Wire Restraint
- Low Voltage
- Raintight, Watertight
- Silicone Filled
- ETL 486C Listed

### BLAZING BVS-1 FOR RESIDENTIAL VALVE SPLICES

The BVS-1 is a self-stripping wire connector for 16 to 20 gauge solid and stranded wires. No tools, stripping, or twisting necessary. Insert the wires, rotate the connector closed, and you are ready to move onto your next valve splice. With its unique patented design, the BVS-1 provides maximum moisture protection and a superior wire hold.

### BVS-2 FOR 2 WIRE SYSTEMS

The BVS-2 offers an inexpensive alternative to expensive wire splices for two wire and commercial irrigation installations. Approved for use on most two wire systems, the BVS-2 offers superior moisture protection as well as a superior hold. With a 486D direct bury ETL listing, the BVS-2 is the dependable choice for your next installation. Two holes for 12 to 14 solid wire and a third hole for a 16 to 20 stranded valve wire makes the BVS-2 a simple connector for larger gauge valve splices. The BVS-2 can also be used for bundling the hot (common) wire for up to 5 valves (7 18-20 wires).



## LV WIRE CONNECTORS

Wire Connectors

### DESCRIPTION

Locks Tight with Double O-Ring Seals  
Just squeeze and lock to hydraulically pump and pack waterproofing silicone around your splice. Pre-filled silicone fully encapsulates all bare wires, closing all entryways against moisture and corrosion. A double O-ring seal bars water from creeping in, and latches lock the connector around the wires. Wire Connectors™ are vibration-proof and never dangle off the wires.

### LV 9000

The LV 9000 is a great connector for residential irrigation valve splices, repairs to trailers and other weather sensitive wiring, and virtually any small wire splice. The LV 9000 can hold up to 5 - 18 wires in its patented "V-channel" hold and locks in to its silicone filled outer housing.

### LV 9500

The LV 9500 is the perfect connector for large bundles of wire and Landscape Lighting jobs. With the capacity to handle up to 3 - 10 wires with a - 18, the LV 9500 can handle almost anything you can throw at it. Bundle up to 5 valves together with a common (hot) wire in and out.

Code	Models
210.6039001	LV 9000 YELLOW
210.6039501	LV 9500 BLACK



## BLS WIRE CONNECTORS

### PRODUCT SPECIFICATIONS & MEASUREMENTS

- Max. Voltage: 30V/10 AMP
- Connector Size: 13/16" x 1 9/16"
- Wire Type: Copper/Copper
- Wire Range: Min 22/Max 6
- Temperature Rating: 75°C (167°F)
- Petroleum Sealant: -29°F to 250°F

Code	Models
210.6021001	BLS CONNECTOR



Code	Models
210.6041001	WATERPROOF BLUE
210.6043001	WATERPROOF BROWN

## WATERPROOF

### PRODUCT SPECIFICATIONS & MEASUREMENTS

- Max. Voltage: 30V/10 AMP
- Connector Size: 13/16" x 1 9/16"
- Wire Type: Copper/Copper
- Wire Range: Min 22/Max 6
- Temperature Rating: 75°C (167°F)
- Petroleum Sealant: -29°F to 250°F
- Yellow: 1.6 mm & 1.27 mm
- Blue: 1.27 mm & 1.04 mm



## CLAMP SADDLES

### TECHNICAL INFORMATION

- Material: black polypropylene
- Gasket: nitrilich rubber 70 shore
- Screw: galvanized steel
- Reinforcing ring: stainless steel "AISI 430"
- Admissible pressure: 6 bar
- Threading: in compliance to the European Standard UNI 228
- Applications: industry, aqueducts, gardening
- Versions: 20 x 1/2" to 63 x 1"1/2"

Code	Models
600.5102012	CLAMP SADDLES 20x1/2"
600.5102512	CLAMP SADDLES 25x1/2"
600.5102534	CLAMP SADDLES 25x3/4"
600.5103212	CLAMP SADDLES 32x1/2"
600.5103234	CLAMP SADDLES 32x3/4"
600.5104012	CLAMP SADDLES 40x1/2"
600.5104034	CLAMP SADDLES 40x3/4"
600.5104010	CLAMP SADDLES 40x1"
600.5105012	CLAMP SADDLES 50x1/2"
600.5105034	CLAMP SADDLES 50x3/4"
600.5105010	CLAMP SADDLES 50x1"
600.5106334	CLAMP SADDLES 63x3/4"
600.5106310	CLAMP SADDLES 63x1"
600.5106312	CLAMP SADDLES 63x1"1/2"

TAP TIMER  
CONTROLLER

BATTERY  
CONTROLLER

CONTROLLER  
SENSOR

ELECTRIC VALVES  
SPRINKLER

FITTINGS

ACCESSORIES



## CLAMP SADDLES PUSH

Just push down to lock to pipe  
25mm and 32mm pipe size

The Blazing Saddle is the Original and best selling self-tapping saddle in the world. With millions installed in the ground every year and over 10 years of use, the Blazing Saddle is the most dependable saddle for your next irrigation installation. For use on 3/4" to 1 1/2" poly or PVC pipe with 1/2", 3/4" Female Pipe Threads or Swing Pipe Barb outlet.

### NO CLAMPING, CORING, OR CUTTING REQUIRED

The Blazing Saddle cuts out clamping, coring, and cutting. Less digging required for installation – you only need a hole 8" in diameter to the pipe to install. Reduce the costs of labor, training, tools, glue and primer. There's no easier or more efficient way to tap pipe to install a sprinkler head. You can forget all the cumbersome aspects of insert fittings and get the job done faster.

### TECHNICAL INFORMATION Ø25

- For use on 25mm polyethylene pipe\*
- 7 Gallons per minute at 40 PSI
- 12 Gallons per minute at 60 PSI
- 40% less friction loss than insert fittings
- Friction loss equivalent of 3.8 ft of pipe
- Withstands repeated freeze/thaw cycles and ground shift & sheering
- Made of high grade ABS material
- Tested to over 1 million on/off cycles without a leak

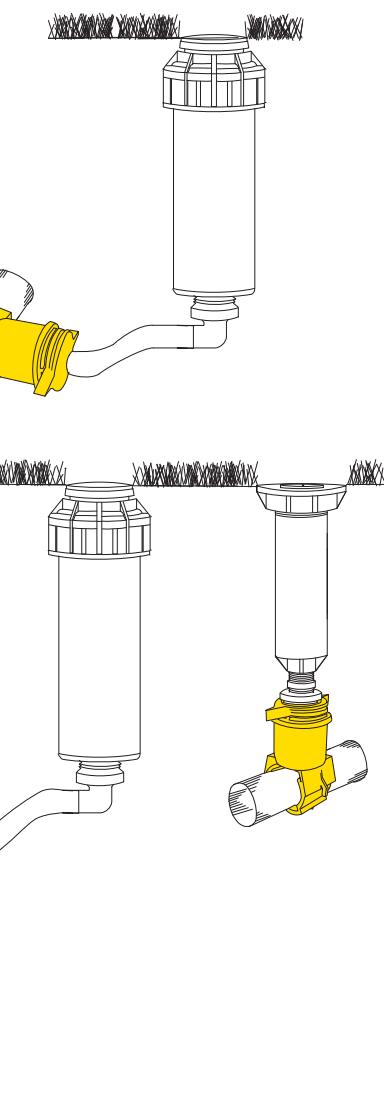
### TECHNICAL INFORMATION Ø32

- For use on 33mm polyethylene pipe\*
- 7 Gallons per minute at 40 PSI
- 12 Gallons per minute at 60 PSI
- 40% less friction loss than insert fittings
- Friction loss equivalent of 3.8 ft of pipe
- Withstands repeated freeze/thaw cycles and ground shift & sheering
- Made of high grade ABS material
- Tested to over 1 million on/off cycles without a leak

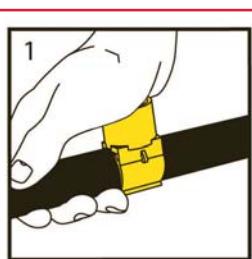
Code	Models
595.0602512	CLAMP SADDLES 25x1/2"
595.0683210	CLAMP SADDLES 25x3/4"
595.0603212	CLAMP SADDLES 32x1/2"
595.0603234	CLAMP SADDLES 32x3/4"
595.0604012	CLAMP SADDLES 40x1/2"
595.0604034	CLAMP SADDLES 40x3/4"

### OPTIMAL SPRINKLER HEAD FLOW

The Blazing Saddle's unique design delivers optimal flow to each sprinkler head. The tap delivers more than 7 gallons per minute at 40 PSI and 12 GP at 60 PSI. And there's no problem with flow restriction: On 1" polyethylene pipe, there is less head loss than with a standard insert fitting; on PVC pipe, the Blazing Saddle's contribution to head loss is equivalent to only 3 feet of plain pipe.



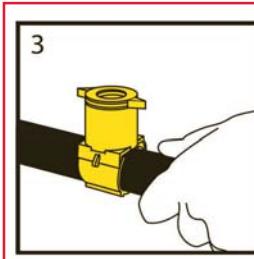
### 1. PUSH



### 2. SCREW



### 3. END





## CUT-OFF & TELESCOPIC RISERS

Rain Risers allow a quicker and more economic assembling of any sprinklers: static or rotor. Available into two different series.

### TECHNICAL INFORMATION

- Serie PFS: cut-off riser (length minimum 5 cm – Max 12 cm)
- Available in the following threading: 1/2" M X 1/2" M – 1/2" M X 3/4" M – 3/4" M X 3/4" M
- Serie PFE: telescopic riser. Telescopic riser is composed by a fixed side - to be screwed on the saddle previously fixed to the tube – length as from 10 cm and by a telescopic side length 8 cm, adjustable from 10 cm to 18 cm with fit 1/2" M X 3/4" M.

Code	Models
120.4300030	PFS 1/2" M x 1/2" M
120.4300050	PFS 1/2" M x 3/4" M
120.4300040	PFS 3/4" M x 3/4" M
120.4300020	PFE RISER 1/2" M x 3/4" M



## BLU - LOCK

### DESCRIPTION

Working in a sprinkler trench is tough enough-don't make it harder by using traditional pipe fitting methods that require hot, toxic glue, clamps or frustrating barbed fittings. Hydro-Rain offers a better way, Blu-Lock.

Everything you do from the valve out, you can now do faster and easier with Blu-Lock. Primer? Glue? Clamps? Tools? With the BluLock system you don't need them!

Simply stated. Blu-Lock by Hydro-Rain is the fastest greenest. Irrigation installation method in the world.

### BUILT FOR SPEED ADVANTAGES

- Patented "Push-and-Go" Design: 100% tool and chemical free approach cut installation time in half.
- True System Integration: Total compatibility of fittings, pipe, manifolds, valves, saddles, and heads,
- Exclusive Trench and Trenchless Technology: Coil and straight length pipe options provide unrivaled flexibility

### FEATURES AND BENEFITS

- Heavy-Duty Construction: Built tough fittings made from UV-resistant ABS, stainless steel and EPDM seals are designed and tested to ensure toughness.
- Patented Retaining System-Stainless steel teeth grip pipe tight for a strong, leak-proof connection.
- Outside Diameter Technology-Flow is unimpeded for 25 percent increase in flow versus traditional insert fittings.
- High Quality and "Easy-Flex"-Blu-Lock lateral and swing pipe are made from virgin resins and meet ASTM standards.
- Patented Quick-Release Collar-1/2" swing fittings feature quick-release mechanism that allows tool-free removal
- Hydro-Rain Warranty-3-year limited warranty on fittings. 30-year limited warranty on pipe. Some restrictions apply



Code	Models
200.3797000	ELBOW BLU-LOCK 1/2" M X BL
200.3797100	ELBOW BLU-LOCK 3/4" M X BL
200.3797200	ELBOW BLU-LOCK 1/2" F X BL
200.3797300	ELBOW BLU-LOCK 3/4" F X BL
200.3797350	ELBOW BLU-LOCK BL X BL
200.3797900	ELBOW PER GIUNTO SNODATO
200.3797400	ADAPTOR BLU-LOCK 1/2" M X BL
200.3797500	ADAPTOR BLU-LOCK 3/4" M X BL
200.3797600	COUPLING BLU-LOCK
200.3797700	TEE BLU-LOCK
200.3798000	PIPE BLU-LOCK 30 METRI
200.2611000	CUTTER BLU-LOCK



Code	Models
280.8005400	2" PLASTIC CONTROL VALVES
280.8005600	3" PLASTIC CONTROL VALVES

## PP VALVE

Family of PP valves from 1/2" to 2" with OR,

### TECHNICAL INFORMATION

- Made of PP
- PN10
- full automatical assembling
- Low temperature resistant
- Nickel brass ball

Code	Models
143.0000012	VALVE 1/2" F PP
143.0000034	VALVE 3/4" F PP
143.0000100	VALVE 1" F PP
143.1000100	VALVE 1" M PP
143.1000915	VALVE 1" M x UN PP
143.0000114	VALVE 1"1/4 F PP
143.0000112	VALVE 1"1/2 F PP
143.0000200	VALVE 2" F PP

## PLASTIC CONTROL (THROTTLE) VALVES

### TECHNICAL INFORMATION

- Easy grip handle for convenient operation.
- Inbuilt flow control indicator for easy understanding of % of throttling.
- Corrosion resistant & UV Stabilized.
- Main spindle shaft made out of reinforced nylon for extra strength and more wear resistant during continuous operation.
- Straight through flow with minimal pressure drop.
- Provides optimum performance in conditions where hi flow efficiency and long service is required.
- Slow operation prevents water hammer.
- Body made of Glass Reinforced Engineering Plastic
- Handle made of ABS/PP
- O-Ring: NBR (Nitrile Butadiene Rubber)
- Bearing Washers: PTFE



## SINGLE UNION PVC BALL VALVE

### TECHNICAL INFORMATION

- Easy to Handle & Install
- Sizes Available: 3/4", 1" & 1 1/2"
- Corrosion & weather resistant
- High pressure rating of 10kg/cm<sup>2</sup> (Bar)

Code	Models
143.5000034	PVC Ball Valve 3/4" FxF
143.5100034	PVC Ball Valve 3/4" FxM
143.5000100	PVC Ball Valve 1" FxF
143.5100100	PVC Ball Valve 1" FxM
143.5200112	PVC Ball Valve 1 1/2" FxM
143.5200200	PVC Ball Valve 2" FxM
143.5200300	PVC Ball Valve 3" FxM



## DOUBLE UNION PVC BALL VALVE

### TECHNICAL INFORMATION

- Easy to Handle & Install.
- Handle made of Polyamide with Metal Insert.(For Long Handle Only)
- Corrosion and Weather resistant.
- True union design for easier installation or repairs without panding the pipe system.
- UV stabilized.
- Options Available:

Code	Models
143.5000200	PVC Ball Valve 2" FxF
143.5000300	PVC Ball Valve 3" FxF
143.5300300	PVC Ball Valve 3" FLANGED
143.5200200	PVC Ball Valve 2" BONDED JOINT
143.5200300	PVC Ball Valve 3" BONDED JOINT



## PICKETS

Picket for driplines and pipe. Used to fix wings and porous pipe to the ground. Tough and resistant to UVA.

To be applied with drip lines diam. 16 mm, 20 mm and models of porous pipe.

### TECHNICAL INFORMATION

- Packed in plastic bags
- Height: 14 cm

Code	Models
800.2100510	PICKETS - 100 pieces bag
800.2100500	PICKETS

TAP TIMER  
BATTERY

CONTROLLER  
CONTROLLER  
SENSOR

ELECTRIC VALVES

SPRINKLER  
FITTINGS

ACCESSORIES



Code	Models
120.1300020	DRAINAGE VALVE 1/2" M



## TECHNICAL INFORMATION

- Gradual drainage avoids soggy patches
- Turbulent flushing action with every on/off cycle
- Ball seats in new orientation every cycle

Code	Models
350.6052000	DRAINAGE VALVE 1/2" M
350.6053000	DRAINAGE VALVE 3/4" M



Code	Models
600.5400820	3/4" x 3/4" SWIVEL ELBOW
600.5400760	1" x 1" SWIVEL ELBOW
600.5401410	1"1/4 QUICK COUPLING
600.5401420	OPENER 1"1/4 QUICK COUPLING
600.5401520	OPENER 1"1/2 QUICK COUPLING
600.5401510	1"1/2 QUICK COUPLING

## DRAINAGE VALVE

PVC drainage valve, automatically empties water from the pipe. Useful when the irrigation system presents difference of levels that will cause discharge of water at the lowest sprinkler of the system, every time the irrigation cycle will end. Realization in plastic material makes it competitive and reliable

## TECHNICAL INFORMATION

- Working pressure lower than 0,2 bar
- Threading 1/2" M & 3/4" M

## DRAIN VALVES

The professional's choice for protection against freeze damage.

## DESCRIPTION

The most advanced and most complete lineup of automatic drains in the world.

Increase system quality and peace of mind.

Allows water to gradually drain when system is off, protecting against freeze damage. Guaranteed performance for the life of the sprinkler system.

Patented recessed wicking pad protects against rocks and roots.

Patented wings for easy, comfortable installation.

Patented ball valve design on line drains, swing pipe elbow drains and Siphon Drain

## QUICK COUPLING VALVE - BRASS

### TECHNICAL INFORMATION

- One piece solid brass construction for durability
- Stainless Steel Spring
- Brass Valve
- Drain hole in body to minimize debris collection
- Specially designed grommet
- Auto close lid when not in use
- Cover made of Thermo Plastic Elastomer

Code	Models
600.5400800	3/4" QUICK COUPLING
600.5400810	OPENER 3/4" QUICK COUPLING
600.5401001	1" QUICK COUPLING
600.5401010	OPENER 1" QUICK COUPLING

## QUICK COUPLING VALVE - PLASTIC

### TECHNICAL INFORMATION

- Click Lock on lid
- Stainless Steel Spring
- Specially designed grommet
- UV Stabilized
- Rugged two piece valve body design
- "Turn & Lock" Key with ribbed grip
- Specially designed for application in public area
- Rain Bird Compatible



Code	Models
600.5400100	QUICK COUPLING VALVE plastic 1/2" M
600.5400200	QUICK COUPLING VALVE plastic 3/4" M
600.5400300	KEY FOR QUICK COUPLING VALVE plastic

TAP TIMER

BATTERY  
CONTROLLER

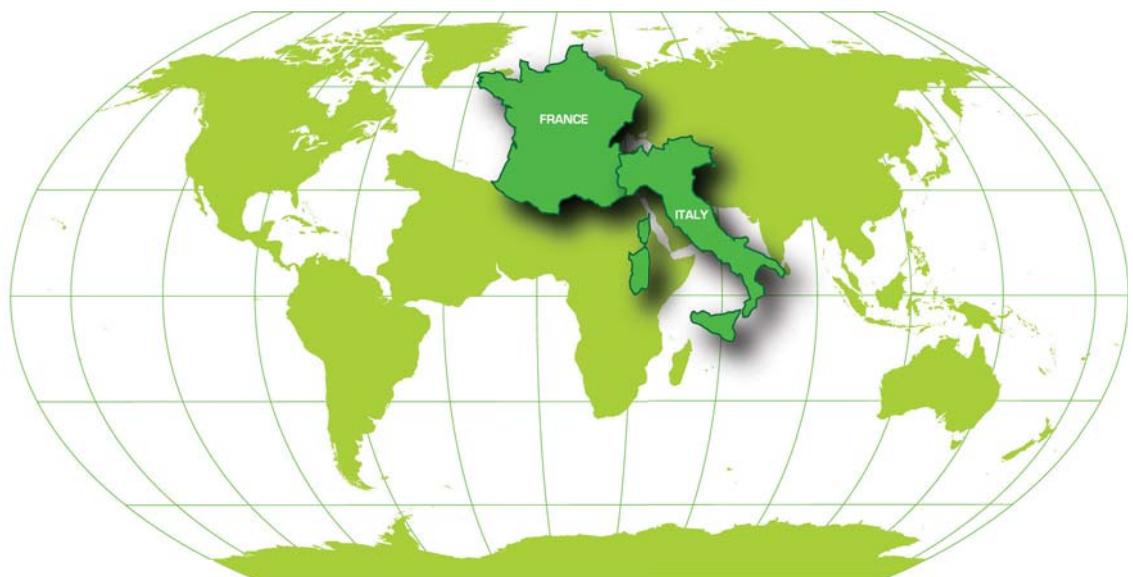
CONTROLLER  
SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES



RAIN spa

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