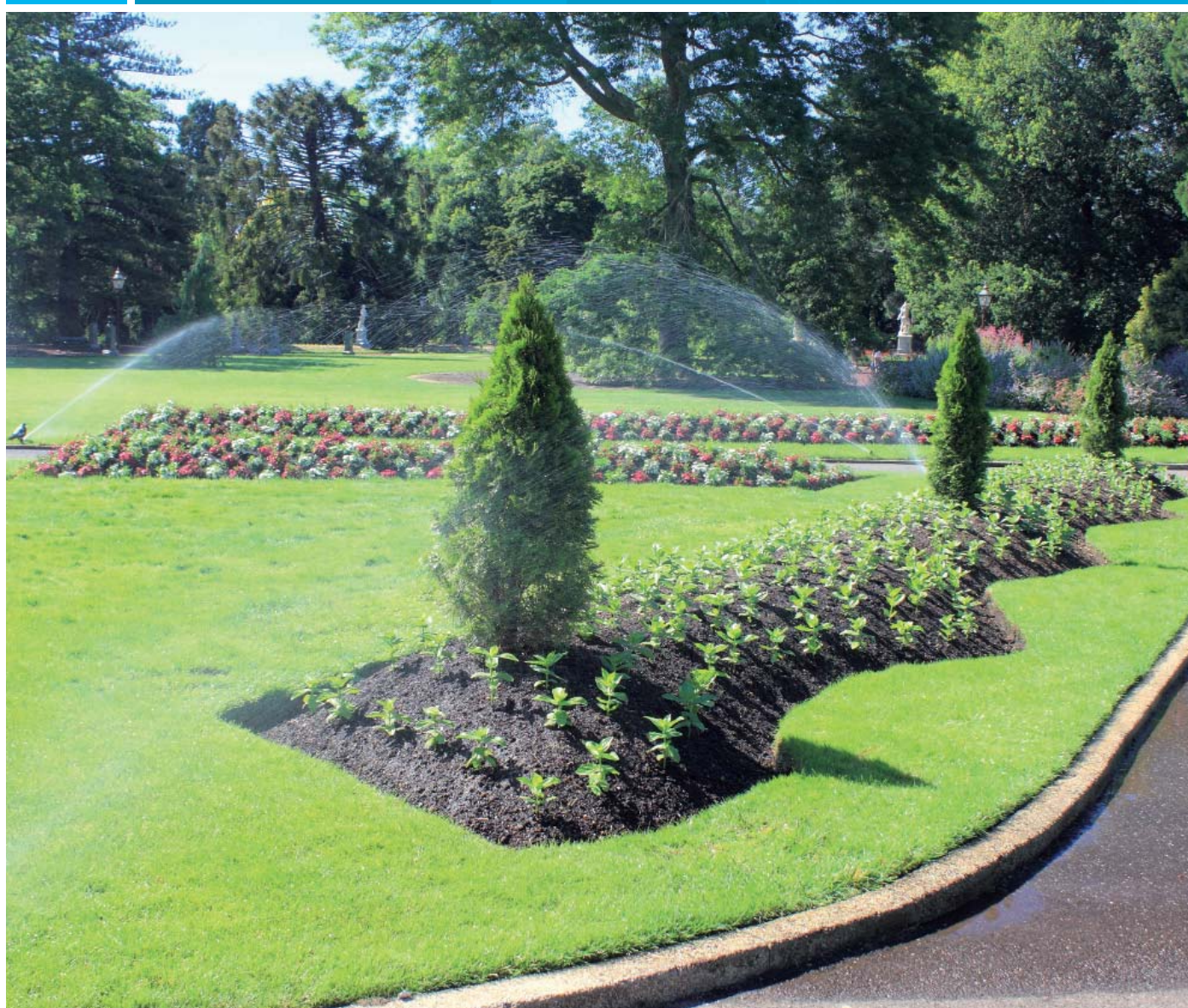


015

## Professional Irrigation

International Catalog  
EIMA edition



INNOVATIVE IRRIGATION SYSTEMS







## 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 positing 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.







## PROFESSIONAL IRRIGATION SYSTEMS

### MISSION

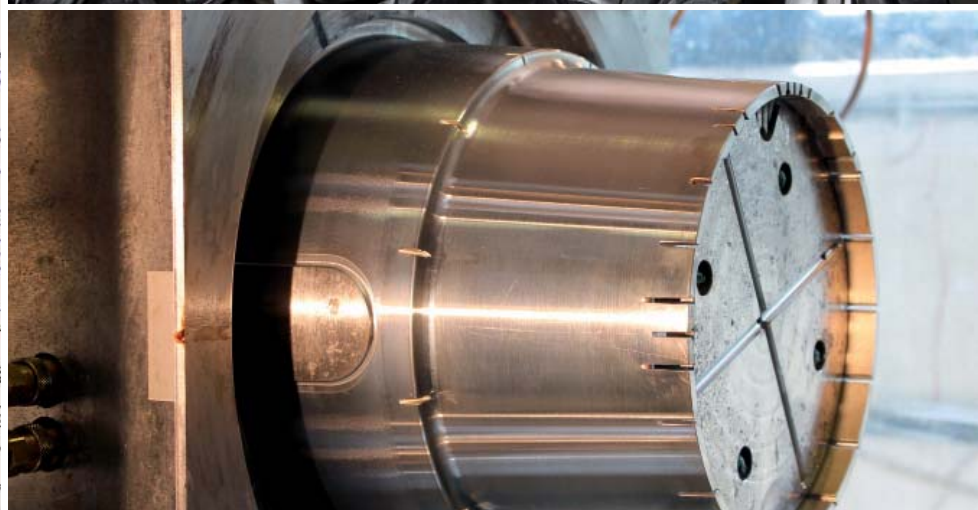
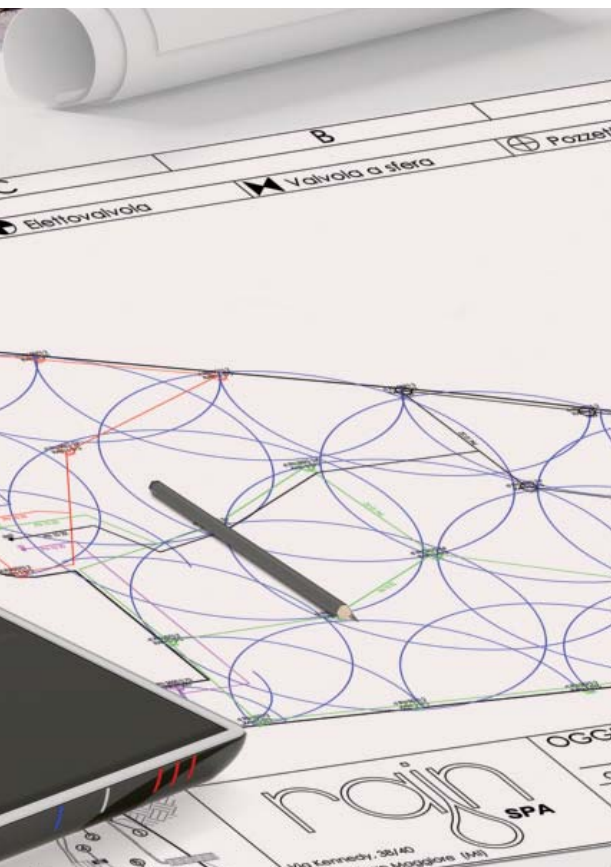
#### **Innovation is at the heart of RAIN.**

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.







# AMICO +

## Tap Timer

### DESCRIPTION

Amico + <sup>TM</sup> 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 3/4"-1"
- Outlet thread 3/4"
- 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)

#### 1. REMOVABLE CONTROL UNIT



#### 2. EASY READABLE SCREEN POSITION



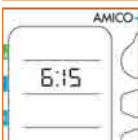
#### 3. 3" BACKLIT LCD DISPLAY



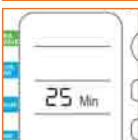
#### 4. PROGRAMMING BOTTONS



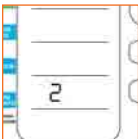
#### 5. START TIME



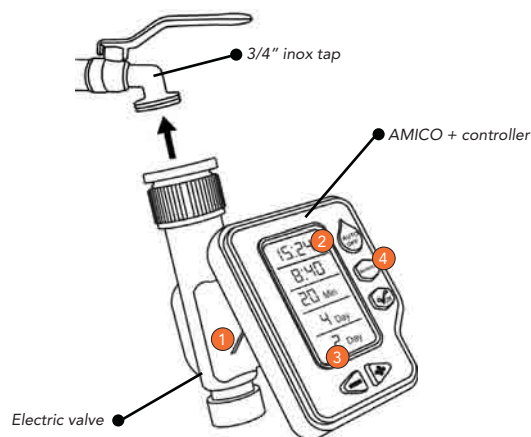
#### 6. DURATION



#### 7. FREQUENCY



Code	Models
200.4094700	AMICO +
000.da create	AMICO + with sensor
200.4094520	ELECTRIC VALVE AMICO +





# AMICO 2 +

Tap Timer

## DESCRIPTION

Amico 2 + <sup>TM</sup> 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.

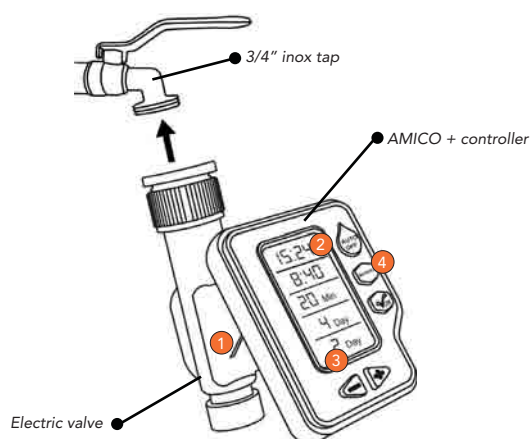
## COMPLETE USER-FRIENDLY PROGRAMMING

- 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 3/4"-1"
- Outlet thread 3/4"
- 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
200.4044502	AMICO 2 +



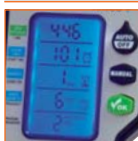
### 1. REMOVABLE CONTROL UNIT



### 2. EASY READABLE SCREEN POSITION



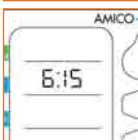
### 3. 3" BACKLIT LCD DISPLAY



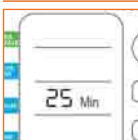
### 4. PROGRAMMING BUTTONS



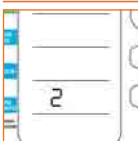
### 5. START TIME



### 6. DURATION



### 7. FREQUENCY



TAP TIMER

BATTERY  
CONTROLLER

CONTROLLER

SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES



1. BATTERY COMPARTMENT



2. USER FRIENDLY DISPLAY



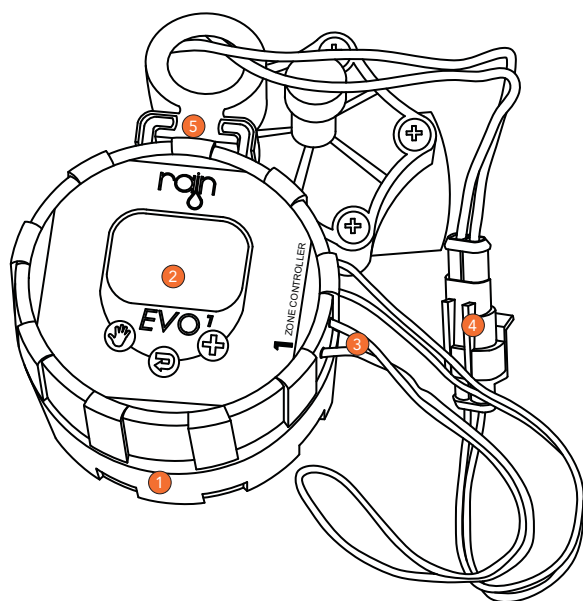
3. SENSOR CONNECTION



4. WATERPROOF VALVE



5. TIMER CONNECTION TO TIMER CLIP



## EVO

### 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.

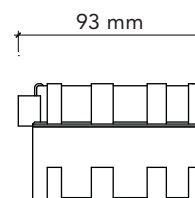
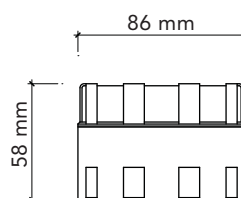
#### FLEXIBLE USER-FRIENDLY PROGRAMMING

- 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







#### 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

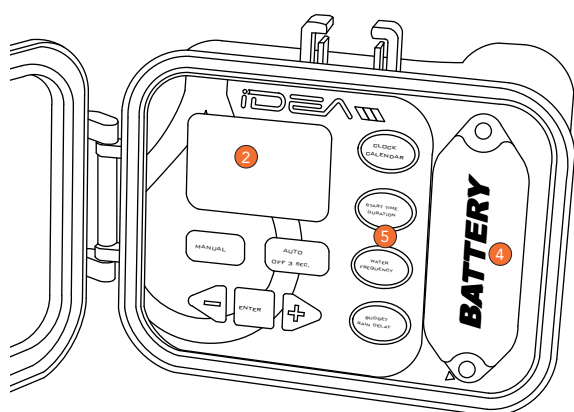


#### 5. PROGRAM

user friendly programming with smart buttons sequence



#### 6. SENSOR CONNECTION



# 3

PROGRAM WITH 3 SIMPLE STEPS.

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



## IDEA 1

### 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.

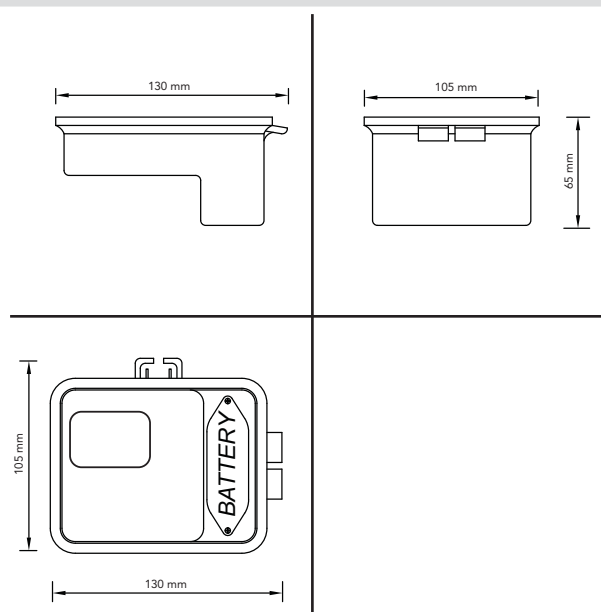
#### FLEXIBLE USER-FRIENDLY PROGRAMMING

- 1 Zones
- Battery powered
- 1 Program
- 4 daily start-times
- Independent 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



**1. LATCHING SOLENOID**

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

**2. DISPLAY**

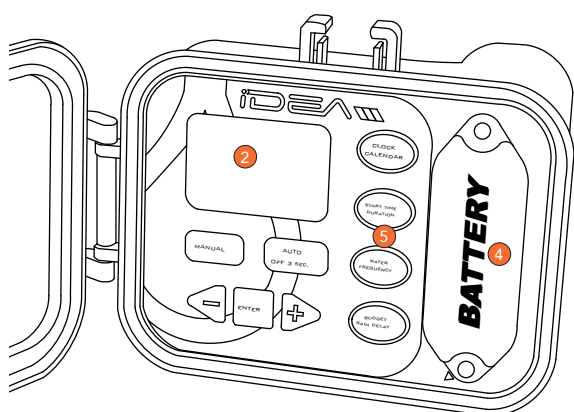
2" display with "battery saver" feature for batteries longer life

**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**

# 3

**PROGRAM WITH 3 SIMPLE STEPS.**



## IDEA 2 & 4

### 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.

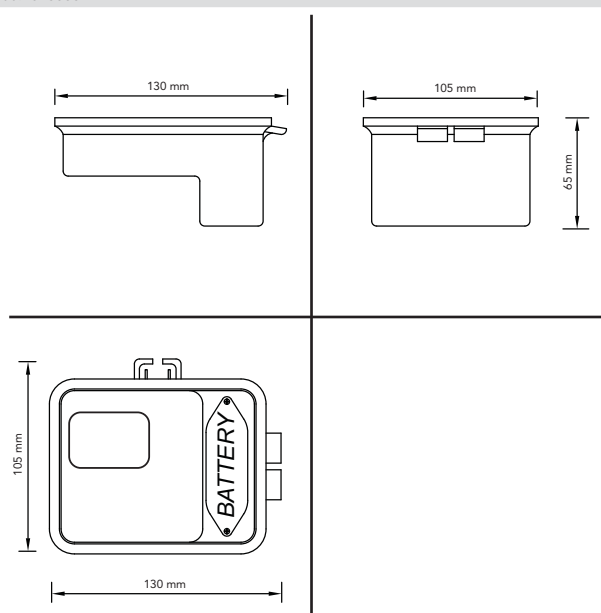
#### FLEXIBLE USER-FRIENDLY PROGRAMMING

- 2 & 4 Zones
- Battery powered
- 1 Program
- 4 daily start-times
- Independent 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







# ELITE

Controller 9 Vdc Latch and 24 Vac

## DESCRIPTION

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

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

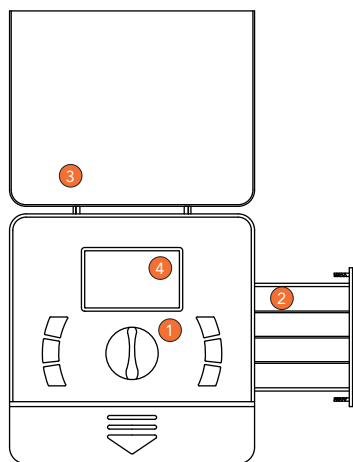
If activated the FERTILIZER function generates an extra output for managing the fertilizing system.

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)
- 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 Budgeting Function. From 10% to 200%
- Rain Sensor Inlet, programmable per each station
- Pump Relay output programmable per each station (on 24 Vac version only)
- Freeze-Program Function (OFF)
- Low Battery Function
- Permanent Memory. It saves programs also when without power



1. NEW PROGRAMING METOD



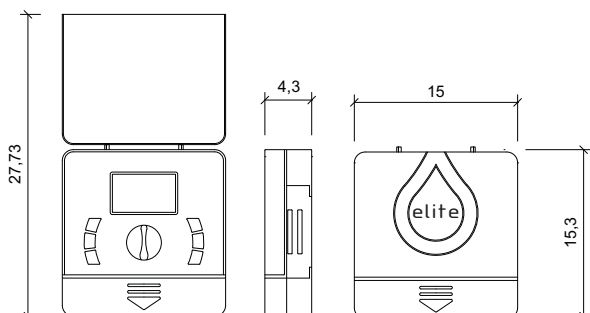
2. BATTERY COMPARTMENT



3. COVER



4. 3" BACK LIGHT LCD SCREEN



Code	Models
200.4580410	ELITE 4 ZONE 9 VDC
200.4580610	ELITE 6 ZONE 9 VDC
200.4580810	ELITE 8 ZONE 9 VDC
200.4581010	ELITE 10 ZONE 9 VDC
200.4581410	ELITE 4 ZONE 24 VAC
200.4581610	ELITE 6 ZONE 24 VAC
200.4581810	ELITE 8 ZONE 24 VAC
200.4581110	ELITE 10 ZONE 24 VAC



TAP TIMER

BATTERY CONTROLLER

CONTROLLER

SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES



# I-DIAL 9 VDC INDOOR

Controller

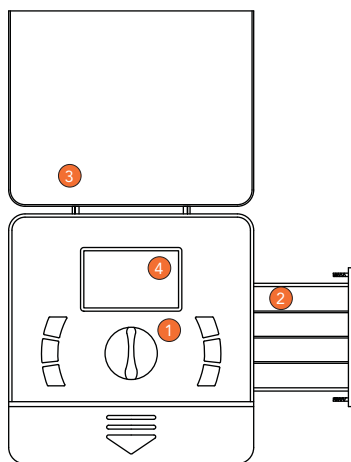
## DESCRIPTION

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 Latc..

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%
- Rain Sensor Inlet, programmable per each station
- Freeze-program function (OFF)
- Low-battery function
- Permanent Memory. It saves programs also without power



1. NEW PROGRAMING METOD



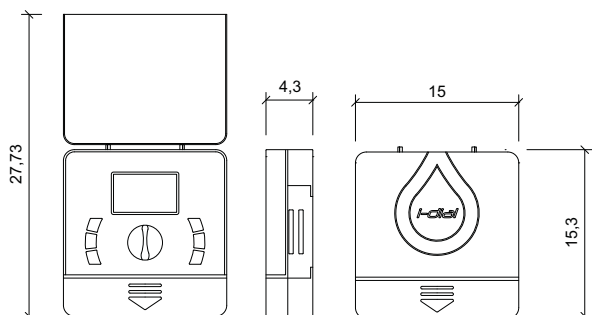
2. BATTERY COMPARTMENT



3. COVER



4. 3" BACK LIGHT LCD SCREEN



**3** PROGRAM WITH 3 SIMPLE STEPS.

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







# I-DIAL 9 VDC OUTDOOR

Controller

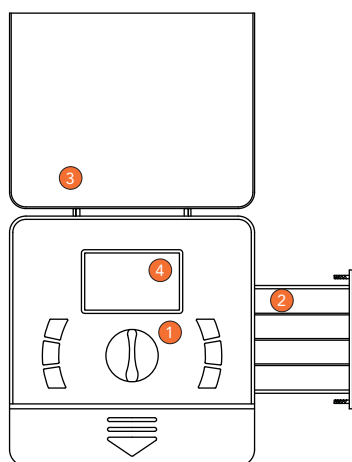
## DESCRIPTION

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 Latc.. 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
- 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



1. NEW PROGRAMING METOD



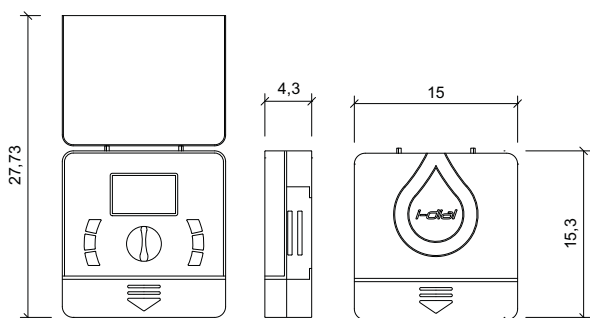
2. BATTERY COMPARTMENT



3. COVER



4. 3" BACK LIGHT LCD SCREEN



**3** PROGRAM WITH 3 SIMPLE STEPS.

- 1 START TIME
- 2 DURATION
- 3 FREQUENCY





**new**

# 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 Latc..

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)
- Low-battery function
- Pump Start Relay connection enabled
- Permanent Memory Saves programs during power outages

### 1. NEW PROGRAMING METOD



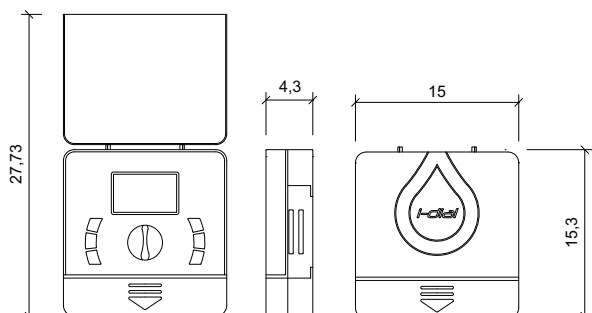
### 3. COVER



### 2. BATTERY COMPARTMENT



### 4. 3" BACK LIGHT LCD SCREEN



**3** PROGRAM WITH 3 SIMPLE STEPS.

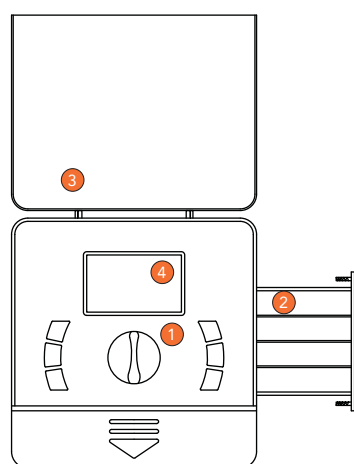
**1** START TIME **2** DURATION **3** FREQUENCY

Code	Models
200.4080410	I-DIAL 24 VOLT 4 ZONE INDOOR
200.4080610	I-DIAL 24 VOLT 6 ZONE INDOOR
200.4080810	I-DIAL 24 VOLT 8 ZONE INDOOR

**new**







1. NEW PROGRAMING METOD



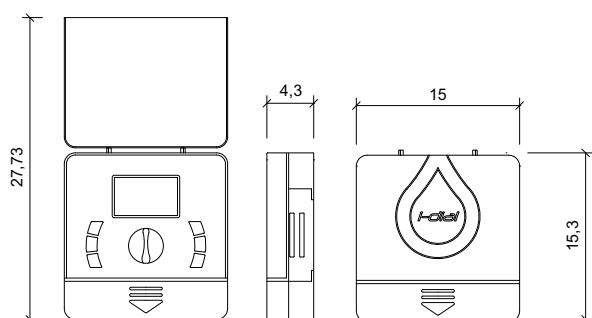
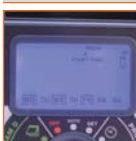
2. BATTERY COMPARTMENT



3. COVER



4. 3" BACK LIGHT LCD SCREEN



**3** PROGRAM WITH 3 SIMPLE STEPS.



# I-DIAL 24 VAC 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 Latc.. 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)
- 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

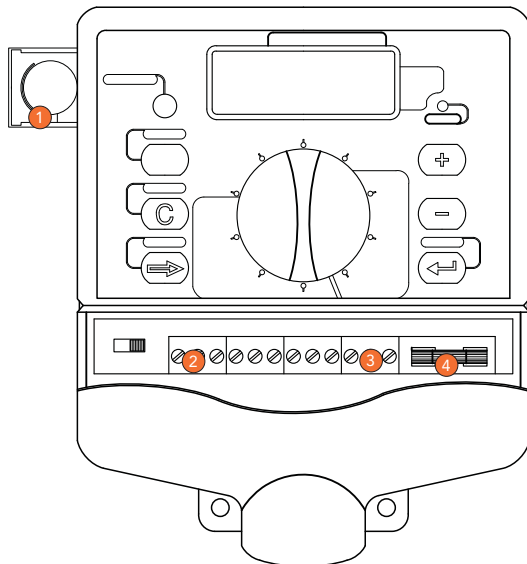




1. LITHIUM BATTERY

2. SENSOR OVERRIDE  
"ON/OFF" SWITCH  
24 VAC INPUT EXTERNAL3. 24 VAC INPUT EXTERNAL  
TRANSFORMER

4. FUSE 0.75 A



# RAIN STAR

## Controller

### PROGRAMMING FEATURES

The timer gives you the option of using any or all of these independent programs, each station can independently be set to either A or B or both A and B programs. PROGRAM A—DAYS Program-A lets you schedule selected stations to water on specific days of the week or to water every 2nd day. Program-A repeats itself continuously in successive weeks. PROGRAM B—INTERVAL, ODD, EVEN Provides two options: One for odd or even day watering and another for an interval ranging from every day to every 28th day. The timer automatically calculates odd and even days (by date) for each month. An interval of "1" will water every day, an interval of "2" will water every other day, and so on. START-TIME STACKING The timer has the intelligence to "stack" start times that overlap. If you enter two or more start times that overlap (in the same or in different programs), the timer will not activate two stations at the same time. Instead, the timer activates the first station and then activates the next station(s) in sequence after the first station finishes its preset watering duration. MANUAL AND SEMI-AUTOMATIC MODES

The timer gives you a number of manual and semi-automatic modes for flexibility in watering. You may override the timer's automatic programming in a variety of ways.

### TECHNICAL INFORMATION

- 4/6 stations models (RAIN STAR 4, RAINSTAR 6)
- 2 independent programs
- Watering times: from 1 minute up to 99 minutes per station
- Watering cycles: from 1 per week up to 8 per day
- Water Budgeting Mode
- Rain Delay
- External transformer included
- Sensor override "on/off" switch
- Freeze-program function
- Low-battery function
- Lithium battery to keep the program in memory in case of AC power loss included
- Pump Start Relay connection enabled

Code	Models
280.0094184	RAIN STAR PLUS 4 - 4 ZONE
280.0094186	RAIN STAR PLUS 6 - 6 ZONE





## RAIN STOP

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 immediately 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 raining.

### TECHNICAL INFORMATION

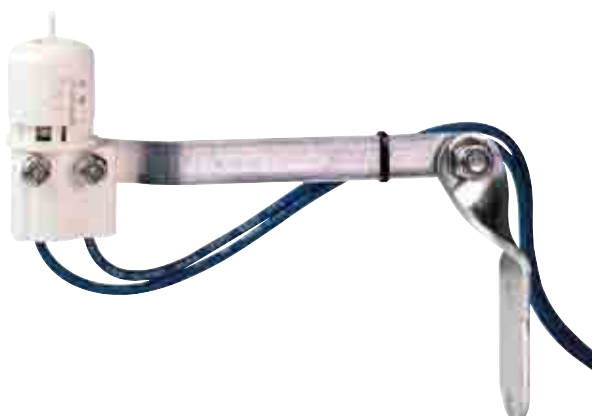
Rainstop is available:

- Rainstop 3 wires and Rainstop 4 wires.
- The three 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



## RM

Sensor

### DESCRIPTION

The Rain Sensor prevents your automatic sprinkler system from watering during a storm. 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

Code	Models
210.5005300	SENSOR RM

TAP TIMER

BATTERY  
CONTROLLER

CONTROLLER

SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES





24 VAC



9 VDC

Adaptor for Hunter  
electric valvesAdaptor for Rain  
Bird electric valves

low flow

RN 145 - LOSS OF CHARGE  
(in bar)

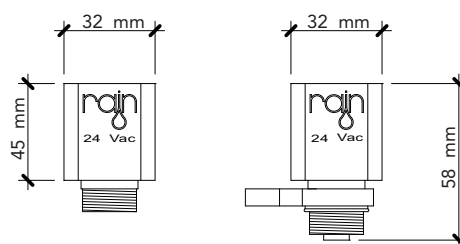
	1/2"	3/4"
10 l/min	0.28	0.20
15 l/min	0.52	0.45
20 l/min	0.80	0.70
25 l/min	0.92	0.81
30 l/min	0.95	0.85
35 l/min	0.98	0.89
40 l/min	1.10	0.95

## 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
000.da create	ADAPTOR FOR HUNTER AND RAIN BIRD VALVES



## RN 145

Electric valves

### DESCRIPTION

Rain RN145 is the family of electric valve dedicated mainly 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
- Quesstra® 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

# 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

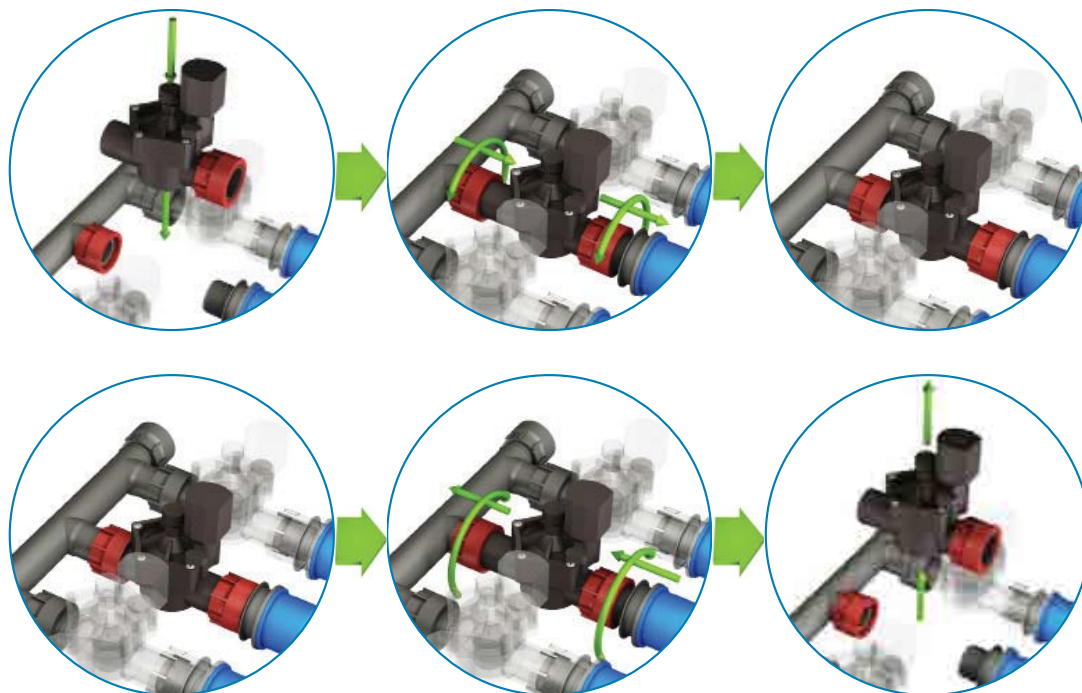
## OPERATING CONDITIONS

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



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

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



TAP TIMER

BATTERY  
CONTROLLER

CONTROLLER

SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES



1. BLEED HANDLE FOR MANUAL OPENING



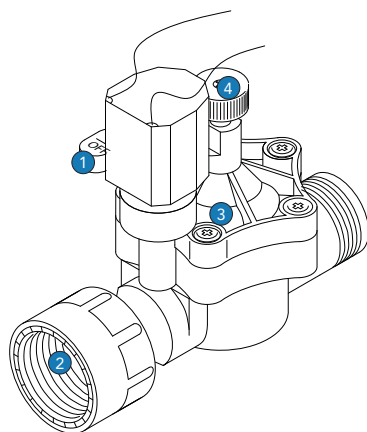
2. THREADS AVAILABLE: MALE, FEMALE, UNION



3. SINGLE PIECE CO-INJECTED DIAPHRAGM



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 and suitable for different kind of installations, in small and medium residential applications.

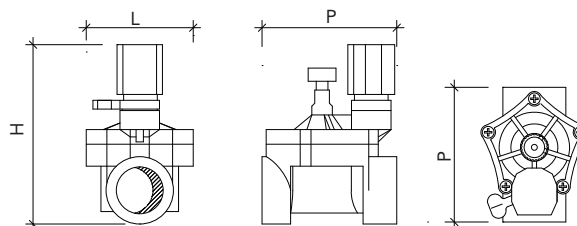
### TECHNICAL INFORMATION

- 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 Available Versions
- 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.

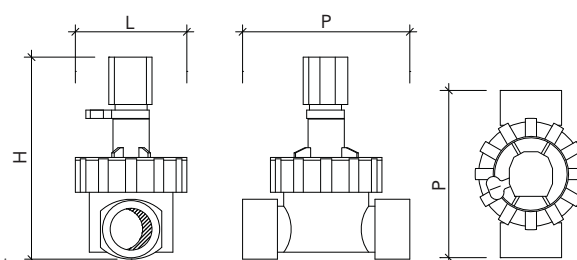
## TECHNICAL INFORMATION

- 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



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



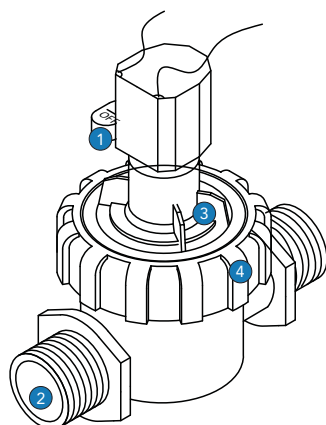
2. THREADS AVAILABLE: MALE, FEMALE, UNION



3. SINGLE PIECE CO-INJECTED DIAPHRAGM



4. SINGLE PIECE CO-INJECTED DIAPHRAGM



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

TAP TIMER

BATTERY  
CONTROLLER

CONTROLLER

SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES



1. SINGLE PIECE CO-INJECTED DIAPHRAGM



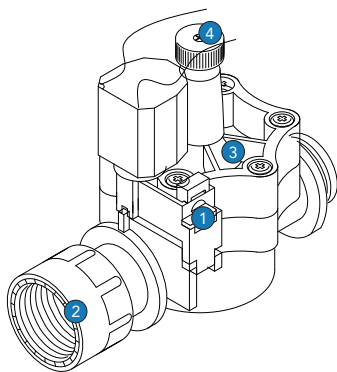
2. THREADS AVAILABLE: MALE, FEMALE, UNION



3. BLEED HANDLE FOR MANUAL OPENING INTEGRATED IN VALVE BODY



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 hearth 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

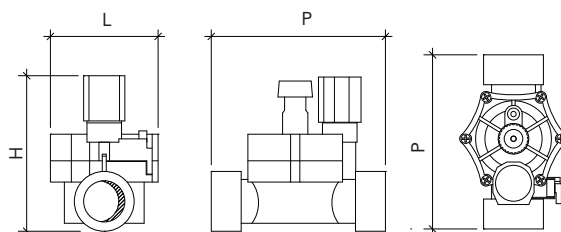
- Flow Control

- 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

## 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.

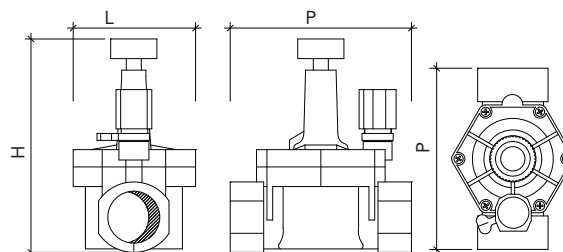
## TECHNICAL INFORMATION

- PA 6 30% fiberglass
- Self cleaning stainless-steel metering pin
- Stainless-steel diaphragm differential pring 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



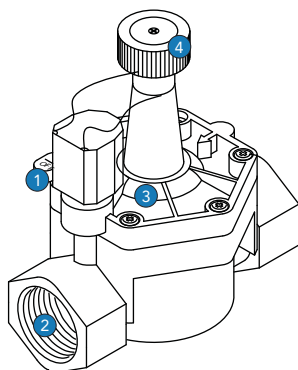
2. THREADS AVAILABLE: FEMALE, MALE X UNION



3. SINGLE PIECE CO-INJECTED DIAPHRAGM



4. FLOW CONTROL ADJUSTMENT 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

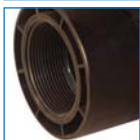




1. BLEED HANDLE FOR MANUAL OPENING



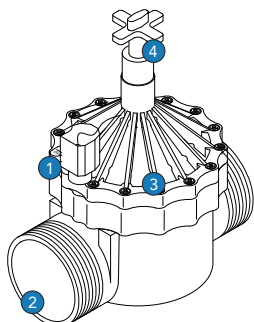
2. THREADS AVAILABLE: MALE, FEMALE



3. ASSEMBLED DIAPHRAGM



4. FLOW CONTROL ADJUSTMENT 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.

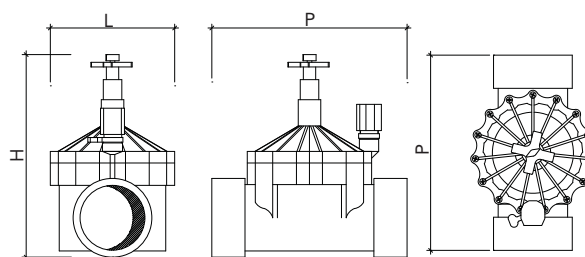
## TECHNICAL INFORMATION

- 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

## 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

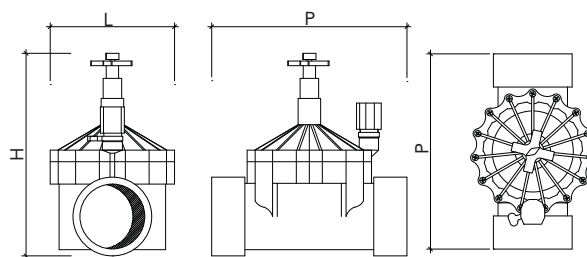
## OPERATING CONDITIONS

- 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

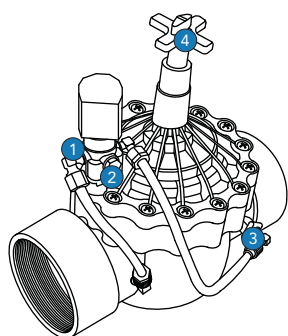
- Standard solenoid: 24 VAC
- Available solenoid 12 VDC; 24 VDC; 110 VAC; 9 (6-40) VDC Latching

Code	Models
100.1805410	RN 180 3" F WAY
100.1805520	RN 180 3 WAY



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

1. CONNECTION	3. 1/4" FILTER
2. ADJUSTMENT	4. FLOW CONTROL ADJUSTMENT 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



TAP TIMER

BATTERY  
CONTROLLER

CONTROLLER

SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES



# 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

1. MANUAL OPENING



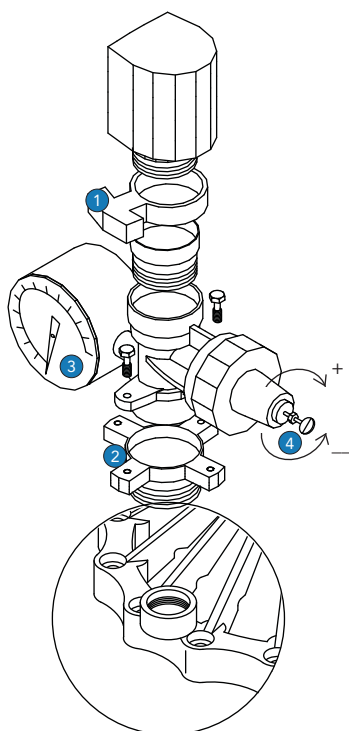
3. PRESSURE GAUGE



2. INSTALLATION



4. REGULATION SCREW



Code

Models

120.8000100

PRESSURE REGULATOR







Code	Models
210.6011000	BVS-1 blue
210.6012000	BVS-2 yellow

## 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).



Code	Models
210.6039000	LV 9000 YELLOW
210.6039500	LV 9500 BLACK

## 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.



## 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
210.6021000	BLS CONNECTOR



Code	Models
210.6041000	WATERPROOF BLUE
210.6043000	WATERPROOF BROWN

## 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



# 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

## 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

### 1. ADJUSTABLE NOZZLES



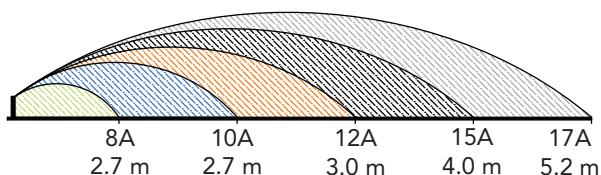
### 2. UNIVERSAL TOOL



### 3. WIPER SEAL



### 4. CHECK VALVE



PERFORMANCES											
		8A		10A		12A		15A		17A	
Arc	bar	m	l/min	m	l/min	m	l/min	m	l/min	m	l/min
90°	1.38	2.7	1.5	2.7	1.5	3.0	1.7	4.0	2.1	5.2	3.0
	1.72	2.7	1.6	2.7	1.6	3.4	2.0	4.3	2.4	5.5	3.6
	2.07	3.0	1.7	3.0	1.7	3.7	2.1	4.6	2.6	5.8	4.0
	2.76	3.0	1.9	3.0	1.9	3.7	2.3	4.9	3.0	5.8	4.9
180°	1.38	2.7	3.8	2.7	3.8	2.7	4.2	4.0	4.9	5.2	6.4
	1.72	2.7	4.2	2.7	4.2	3.0	4.6	4.3	5.6	5.2	7.3
	2.07	3.0	4.5	3.0	4.5	3.0	5.1	4.6	6.2	5.8	8.1
	2.76	3.0	4.7	3.0	4.7	3.4	5.8	4.9	7.6	5.8	9.5
270°	1.38	2.7	6.1	2.7	5.3	2.7	6.1	4.0	7.2	4.9	9.1
	1.72	3.0	6.6	3.0	6.0	3.0	6.6	4.6	8.1	4.9	10.7
	2.07	3.0	7.4	3.0	6.6	3.0	7.4	4.6	8.9	5.2	11.4
	2.76	3.4	7.8	3.0	7.8	3.4	7.8	4.9	10.2	5.5	13.2
360°	1.38	2.7	8.7	2.7	8.7	2.7	9.1	4.0	10.6	4.9	11.0
	1.72	3.0	9.5	3.0	9.5	3.0	9.9	4.3	12.3	5.2	12.9
	2.07	3.0	10.0	3.0	10.0	3.4	10.5	4.6	13.6	5.2	14.4
	2.76	3.4	10.4	3.4	10.4	3.7	11.5	4.6	15.5	5.2	16.7

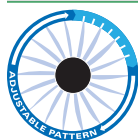




## 1. TOOL



## 2. ADJUSTABLE ROTARY



Code	Models
270.1010000	ROTARY 100 80°-360°
270.1020000	ROTARY 200 80°-360°
270.1030000	ROTARY 300 80°-360°
270.1020900	ADJUSTMENT TOOL
250.1391000	ECO ROTARY 100 1/2"
250.1392000	ECO ROTARY 200 1/2"
250.1393000	ECO ROTARY 300 1/2"



# K-ROTARY

1/2" Rotary

## 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"
- Arc Adjustment Range: 80° - 360°
- 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
- Precipitation Rate:
  - Rotary 100 1 to 1.2 cm per Hour (Depending on Spacing and nozzle Used)
  - Rotary 200 0.97 to 1.0 cm per Hour (Depending on Spacing and nozzle Used)
  - Rotary 300 1.02 to 1.17 cm per Hour (Depending on Spacing and nozzle Used)
- Radius: 3,6 to 8,2 m

PERFORMANCES ROTARY							
		100		200		300	
Arc	bar	m	l/min	m	l/min	m	l/min
90°	2.07	3.7	0.68	5.2	1.17	8.5	2.65
	2.75	4.0	0.72	5.8	1.51	8.5	3.03
	3.45	4.3	0.98	6.4	1.67	8.5	3.41
180°	2.07	3.7	1.32	5.2	2.23	8.2	5.68
	2.75	4.0	1.48	5.8	2.84	8.2	6.06
	3.45	4.3	1.97	6.4	3.22	8.2	6.81
360°	2.07	3.7	2.61	5.2	4.47	7.9	10.98
	2.75	4.0	2.91	5.8	5.64	8.2	12.11
	3.45	4.3	3.75	6.1	6.28	8.2	13.63





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.

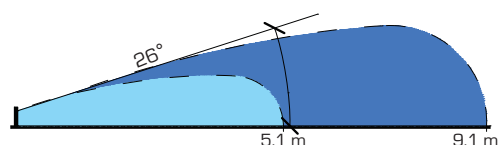
Rain S050 and S050 S provide arc adjustment from 40° to 360°.

## 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

TAP TIMER

BATTERY  
CONTROLLER

CONTROLLER

SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES





1. 5 INTERCHANGEABLE NOZZLES



2. UNIVERSAL TOOL



3. CHECK VALVE



4. S050 S (ARC SET DEGREE MARKING)



Code	Models
280.1290102	S050 S 1/2"
270.1010507	NOZZLE
270.1010503	Check Valve
270.1010509	ADJUSTMENT TOOL



## 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

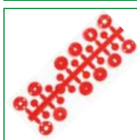




1. S075 D (RUBBER COVER)



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.

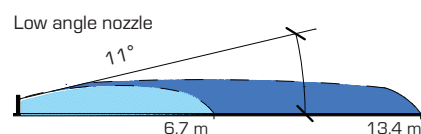
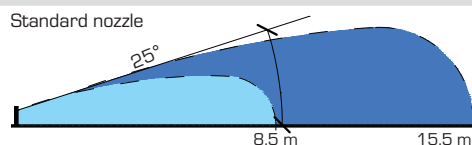
## FEATURES AND BENEFITS

- 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

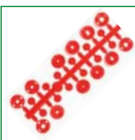
- Right Position Start–Rotor rotates counterclockwise from fixed right start position
- Full and Part circle rotation–provides a full range of adjustment from 40° to 360°
- Non-flushing wiper seal–reduces leaks caused by debris trapped under seal
- 3/4" Inlet–Replaces all standard rotors
- Ideal for 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





## 1. INNOVATIVE FLOW CONTROL

1. 8 STANDARD NOZZLES +  
4 LOW ANGLE NOZZLES

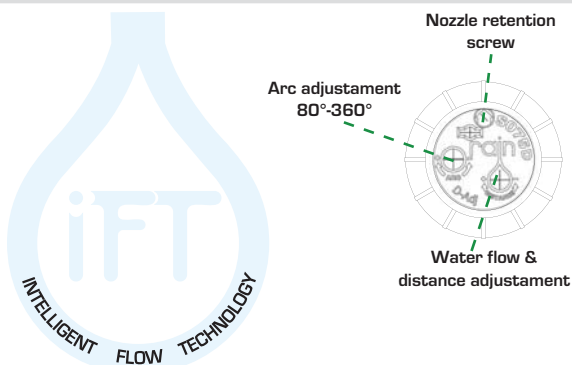
## 3. UNIVERSAL TOOL



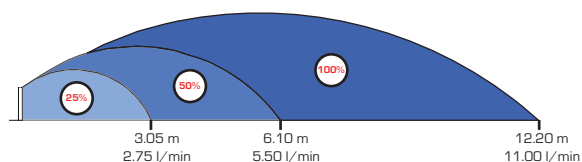
## 4. CHECK VALVE



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



## S075 D

3/4" Rotors

## 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

- 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.

## 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 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

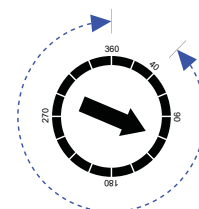
## SPECIFICATIONS

- 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

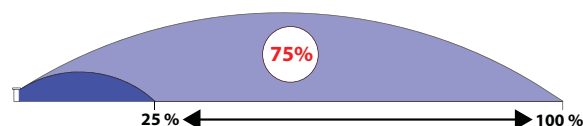
Code	Models
280.1170100	S075 S 3/4"
270.1009110	CHECK VALVE
270.1010509	ADJUSTMENT TOOL



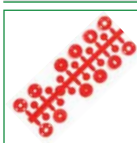
## ARC SET DEGREE MARKINGS



## PROPORTIONAL WATER FLOW & DISTANCE ADJUSTMENT



### 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





**PERFORMANCES SUPER 635**

Nozzle	Bar	m	l/min
<b>104</b>	2.0	20.5	102
	3.0	23	124
	4.0	26	144
	5.0	28.5	165
<b>124</b>	2.0	21	127
	3.0	24	156
	4.0	27	180
	5.0	30	201
<b>144</b>	2.0	21.5	173
	3.0	26.5	212
	4.0	30.5	245
	5.0	33.5	274
<b>164</b>	2.0	22.0	225
	3.0	28.5	276
	4.0	31.5	319
	5.0	33.5	357



# 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 particularly 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 water distribution.

## FEATURES AND 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

**PERFORMANCES SUPER 645**

Nozzle	Bar	m	l/min
<b>166</b>	3.0	29.5	314
	4.0	32.5	364
	5.0	35.0	406
	6.0	37.0	446
<b>186</b>	3.0	31.0	350
	4.0	34.0	405
	5.0	37.0	452
	6.0	39.0	496
<b>206</b>	4.0	35.0	545
	5.0	39.0	609
	6.0	43.0	668
	7.0	44.0	721
<b>226</b>	4.0	36.0	649
	5.0	39.5	726
	6.0	44.0	795
	7.0	47.0	859



# SUPER 645

2" Rotors

## DESCRIPTION

POP-UP sprinkler for sportfields.

Manufactured as a big irrigun, 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 at the internal.

It can work with high pressure for maximum distance.

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

## FEATURES AND 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"



# PVC MANIFOLD MULTI PORTS 1"

## 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	BALL VALVE 1" M x UN

### 1. ORING FOR ANTILEAK SEAL



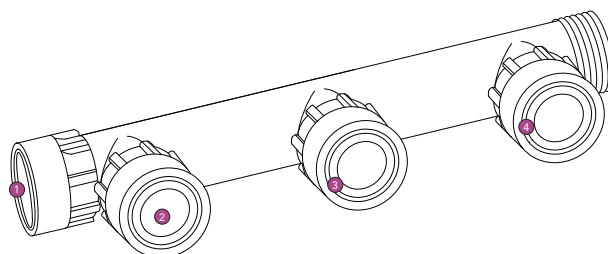
### 3. VALVE UNION CONNECTION



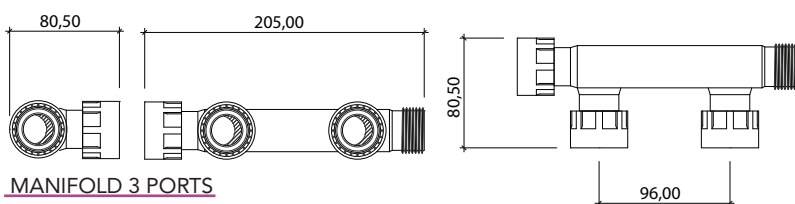
### 2. WIDE INTERNAL DIAMETER



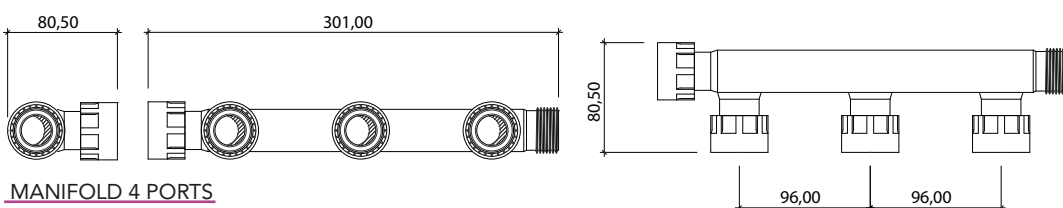
### 4. STRONG UNION PAWL



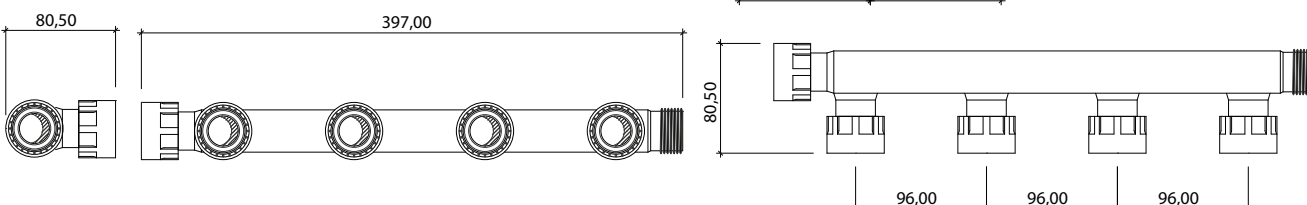
### MANIFOLD 2 PORTS



### MANIFOLD 3 PORTS



### MANIFOLD 4 PORTS





# PVC MANIFOLD 1"

Family of PVC fittings 1" with OR

## TECHNICAL INFORMATION

- Made of PVC
- PN12
- Completely automatic 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



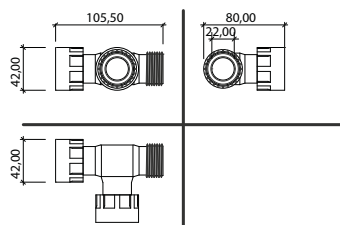
2. WIDE INTERNAL DIAMETER



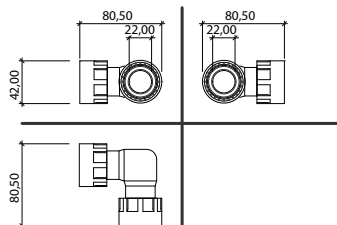
4. STRONG UNION PAWL



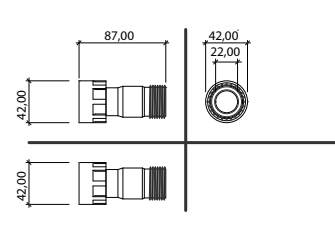
TEE FxFxM 1"



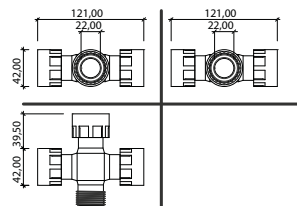
ELBOW FxF 1"



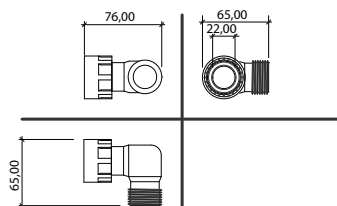
ADAPTOR FxM 1"



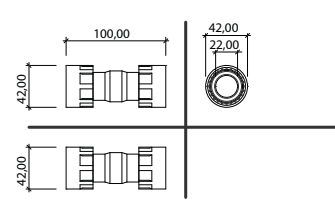
CROSS FxFxFxM 1"



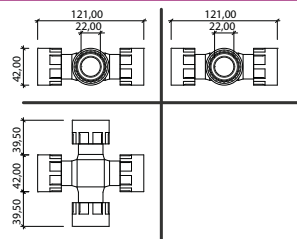
ELBOW FxM 1"



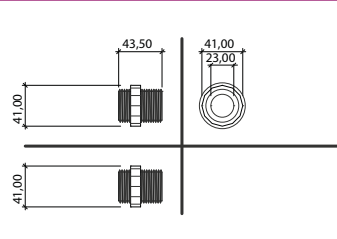
COUPLING FxF 1"



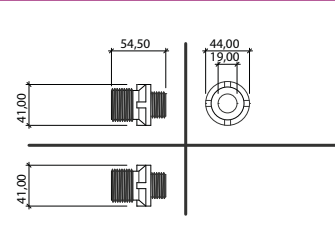
CROSS FxFxFxF 1"



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 automatic 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	ELBOW 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 ANTILEAK SEAL



### 3. VALVE UNION CONNECTION



### 4. STRONG UNION PAWL



### TEE FxFxM



### ELBOW FxF



### NIPPLE 1"1/2



### CROSS FxFxFxM



### ELBOW FxM



### NIPPLE



TAP TIMER

BATTERY  
CONTROLLER

CONTROLLER

SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES

# P.P. BARCODE FITTINGS

## TECHNICAL INFORMATION

- Made of PP
- PN10
- Completely automatic assembling

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

1. BARCODE



2. O-RING



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"

## 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
210.3001150	PZCM "EzOPEN" RN 15 BLACK BODY
210.3001250	PZCM "EzOPEN" RN 25 BLACK BODY
210.3002150	PZCM "EzOPEN" RN 15 GREEN BODY
210.3002250	PZCM "EzOPEN" RN 25 GREEN BODY
125.0115010	GREEN LID 15
125.0125010	GREEN LID 25

1. TWIST - LOCK LID



2. EZOPEN HANDLE & ANTIVANDALISM SCREW



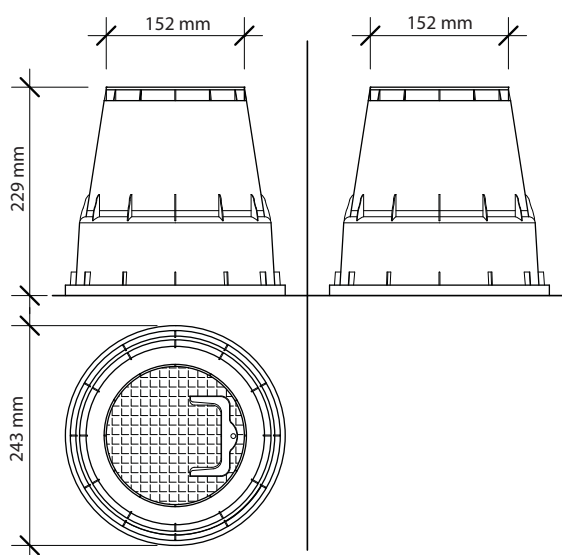
3. BRACKET FOR RAIN EVO PZCM 25)



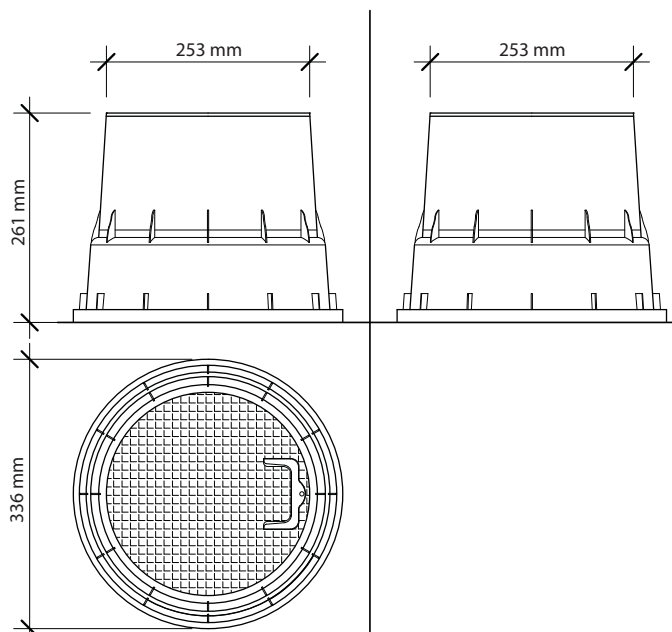
4. RACK FOR WIRES CONNECTORS PZCM 25)



## PZCM 15



## PZCM 25







1. EZOPEN HANDLE &amp; ANTIVANDALISM SCREW



1. RECLAIMED WATER LID VERSION (RW)



1. BRACKET FOR RAIN EVO



1. RACK FOR WIRES CONNECTORS



# RECTANGULAR VALVE BOXES "EZOPEN"

## 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 a unique, patented product in the irrigation market. Valve boxes available in standard rectangular 12 In. and Jumbo 20 In.

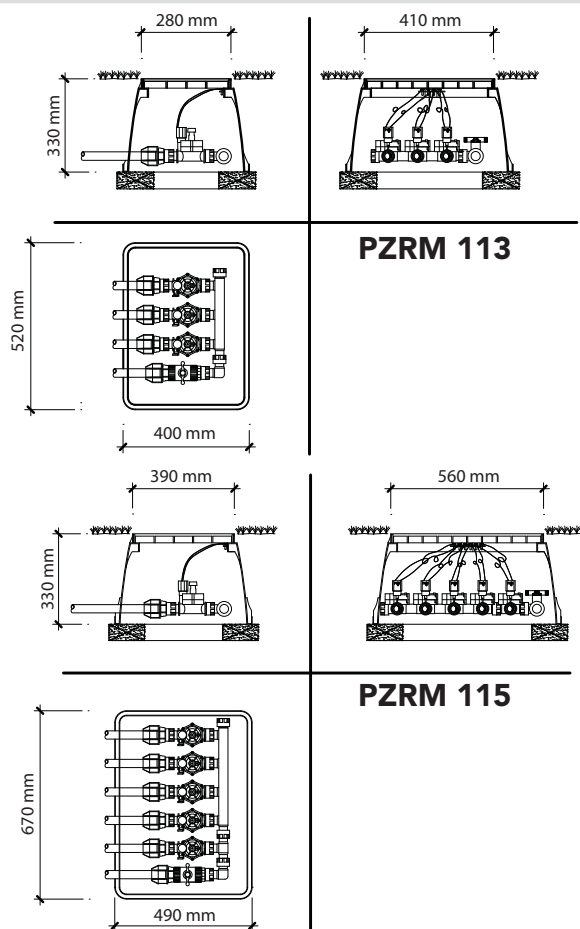
## TECHNICAL INFORMATION

- 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
210.3001113	PZRM 113 "EZOPEN" BLACK BODY
210.3001115	PZRM 115 "EZOPEN" BLACK BODY
210.3002113	PZRM 113 "EZOPEN" GREEN BODY
210.3002115	PZRM 115 "EZOPEN" GREEN BODY
210.2100113	GREEN LID 113
210.2100115	GREEN LID 115
210.2109113	VIOLET LID 113
210.2109115	VIOLET LID 115





# 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" female thread
- High resistance lid

## AVAILABLE VERSIONS

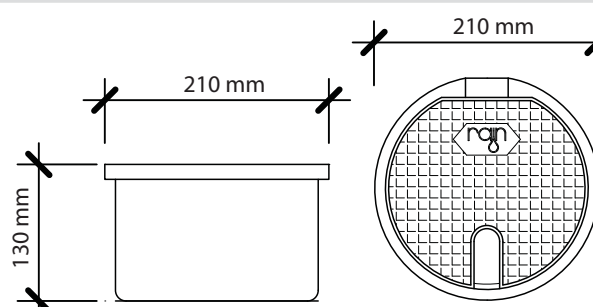
- PZCR RN15 D. 210/210 x H130 mm
- Black body - Green lid

Code	Models
210.3000100	PZCR RN 15
125.3000120	GREEN LID

1. 3/4" MALE THREAD VALVE



2. INLET 3/4" FEMALE THREAD



# Y SCREEN FILTER

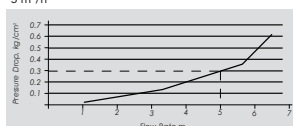
## TECHNICAL INFORMATION

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

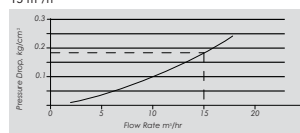
Code	Models
360.2501000	FILTER 3/4" M - 120 mesh 5 mc/hr
360.2501010	FILTER 1" M - 120 mesh 5 mc/hr
360.2501020	FILTER 1 1/4 M - 120 mesh 15 mc/hr
360.2501030	FILTER 1 1/2 M - 120 mesh 20 mc/hr
360.2501040	FILTER 2" M - 120 mesh 25 mc/hr



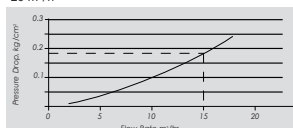
GRAPH 3/4" & 1" 5 m³/h



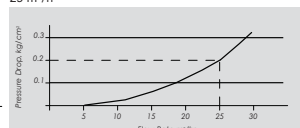
GRAPH 1 1/2 15 m³/h



GRAPH 2" 20 m³/h



GRAPH 2" 25 m³/h



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 rete:	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



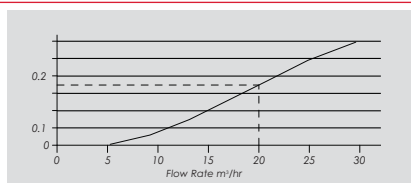
## T SCREEN FILTER

### TECHNICAL INFORMATION

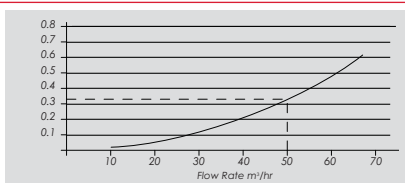
- Corrosion resistant
- Easy to install
- Low maintenance
- Also available in 80 mesh & 150 mesh

Code	Models
280.7501040	FILTER 2" M - screen 120 mesh 20 m <sup>3</sup> /hr
280.7501050	FILTER 3" M - screen 120 mesh 50 m <sup>3</sup> /hr

**FILTER 2" M - screen 120 mesh 20 m<sup>3</sup>/hr**



**FILTER 3" M - screen 120 mesh 50 m<sup>3</sup>/hr**



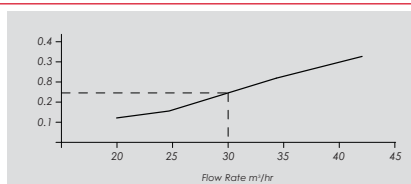
## T DISC FILTER

### TECHNICAL INFORMATION

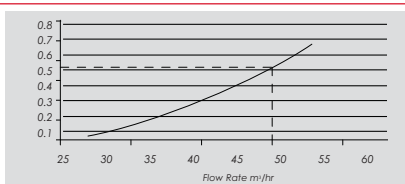
- Corrosion resistant
- Easy to install
- Low maintenance
- Also available in 80 mesh & 150 mesh
- Halix effect to separate solid particles

Code	Models
280.5501040	FILTER 2" M - disc 120 mesh 30 m <sup>3</sup> /hr
280.5501050	FILTER 3" M - disc 120 mesh 40 m <sup>3</sup> /hr
280.5501055	FILTER 3" M - disc 120 mesh 50 m <sup>3</sup> /hr

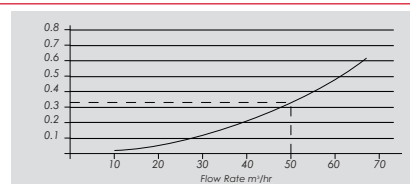
**FILTER 2" M - disc 120 mesh 30 m<sup>3</sup>/hr**



**FILTER 3" M - disc 120 mesh 40 m<sup>3</sup>/hr**



**FILTER 3" M - disc 120 mesh 50 m<sup>3</sup>/hr**







# VENTURI INJECTOR

## 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

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 pressure Bar	Outlet pressure 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"

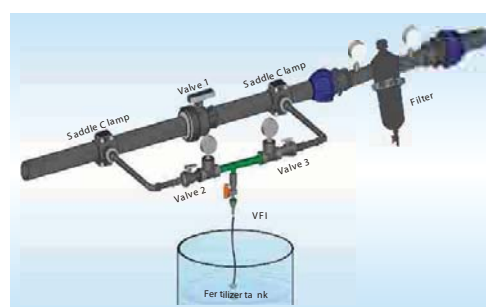
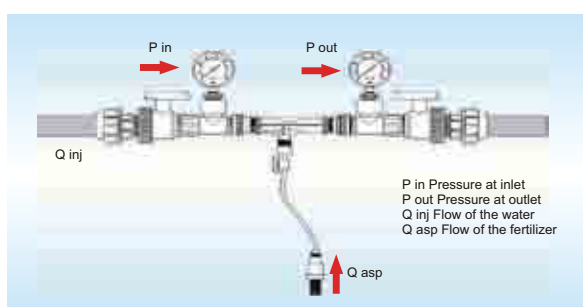
Inlet pressure Bar	Outlet pressure bar	Suction l/h	Motive flow l/min
0.5	0	3850	960
0.75	0	5040	980
1	0	5820	1020
1	0.25	5820	1020
1	0.5	5820	910
1.5	0	6750	1100
1.5	0.5	6750	1100
1.5	0.75	6750	960
1.5	1	6750	660
2	0	7540	1100
2	0.5	7540	1060
2	0.75	7540	1020
2	1	7540	970
2	1.25	7540	700
2	1.5	7540	400
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

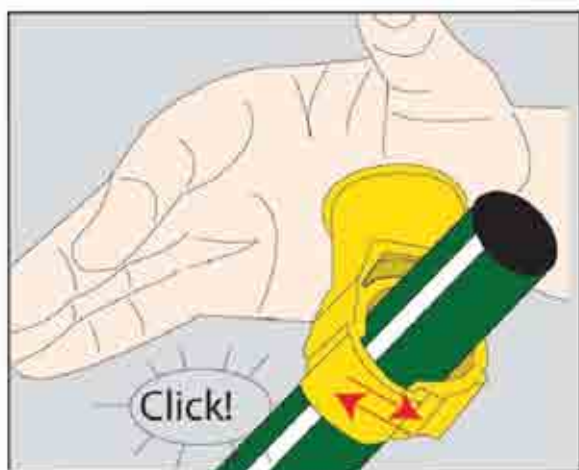
### MOD. 3/4"

Inlet pressure Bar	Outlet pressure 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 pressure Bar	Outlet pressure 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
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**1. PUSH****2. SCREW****3. END**

## 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.

### 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.

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"



# 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, acqueducts, gardening
- Versions: 20 x 1/2" to 63 x 1" 1/2"

Code	Models
600.5102012	CLAMP SADDLES 20x1/2"
600.5102512	CLAMP SADDLES 25x3/4"
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"

# 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
- Hydra-Rain Warranty-3-year limited warranty on fittings. 30-year limited warranty on pipe. Some restrictions apply



### 1. SET SWING ASSEMBLY



### 2. CUT-INTO THE LATERAL LINE



### 3. INSERT LATERAL LINE INTO ASSEMBLY



### 4. SET SPRINKLER



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





## 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



## 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

Code	Models
250.1309300	DRAINAGE VALVE 1/2" M
250.1309310	DRAINAGE VALVE 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

### TECHNICAL INFORMATION

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



## PP VALVE

Family of PP valves from 1/2" to 2"

### 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

## COUPLING VALVE

### TECHNICAL INFORMATION

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



## 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
250.1513700	1/2" Plastic Sprinkler

## 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
250.1513721	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" 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
270.1300021	1/2" Metal Sprinkler
270.1300051	1/2" Part Circle Metal Sprinkler

# 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

## 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°

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



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

# 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

## 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

TAP TIMER

BATTERY  
CONTROLLER

CONTROLLER

SENSOR

ELECTRIC VALVES

SPRINKLER

FITTINGS

ACCESSORIES



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

## 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

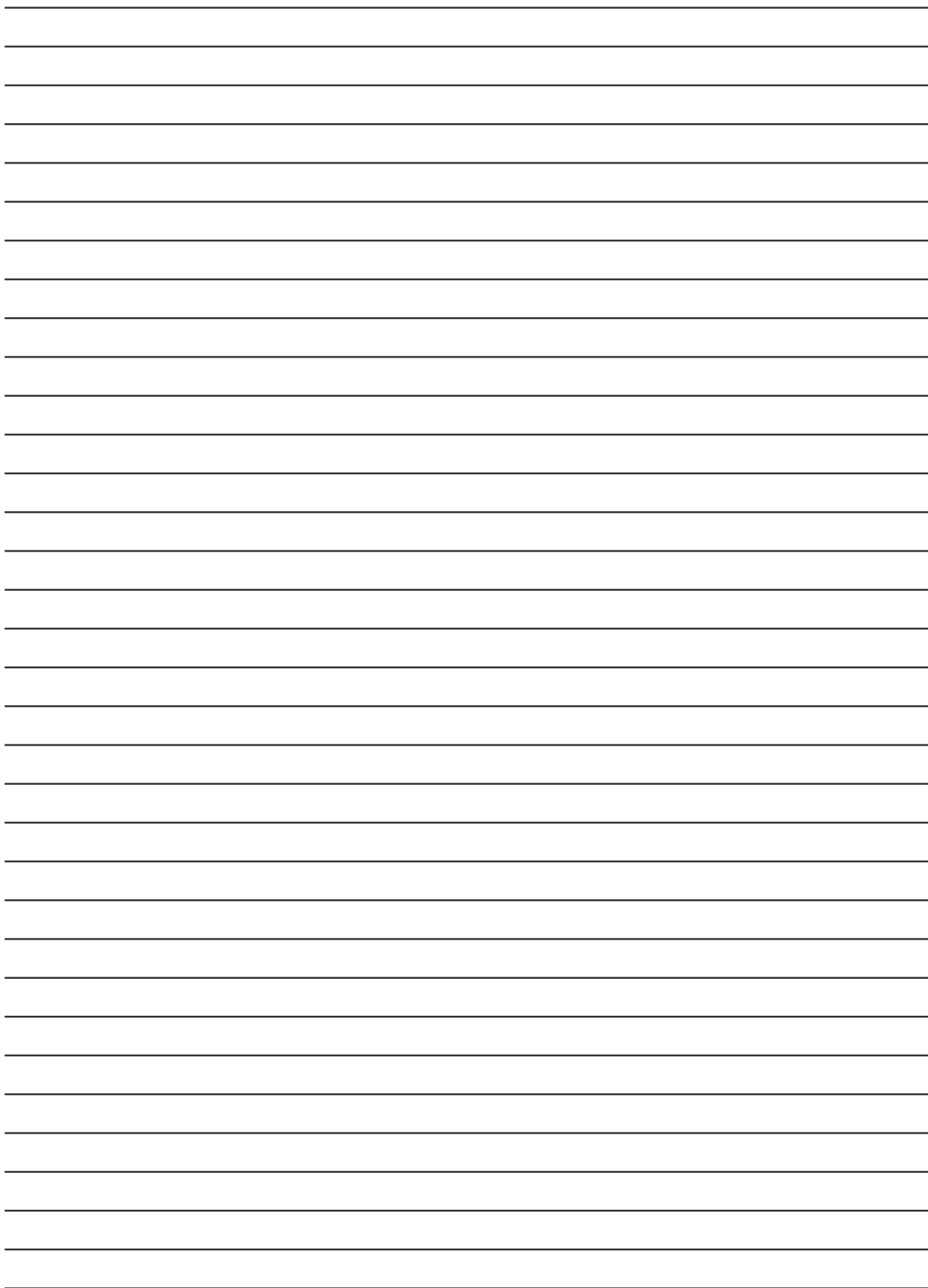
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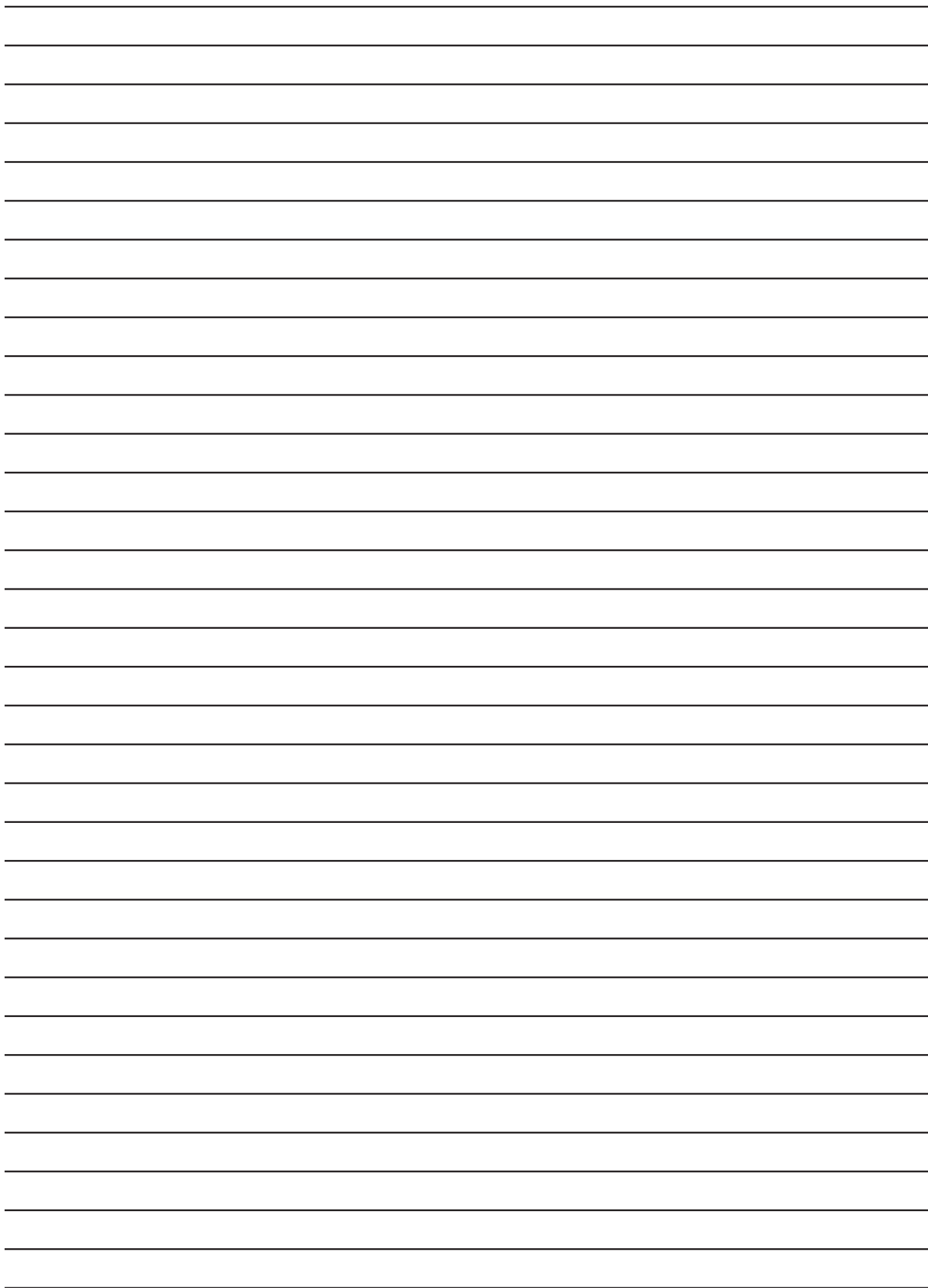
- Available in 1"1/4 BSP/NPT Male Thread Connection
- Low Angle 18° mode I also available
- Bronze Body and Arm
- Brass Bearing Sleeve and Nipple
- Stainless Steel Springs and Pivot Pin
- Part Circle Operation ranging from 20° to 340°
- Trajectory Angle 23°

### 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°

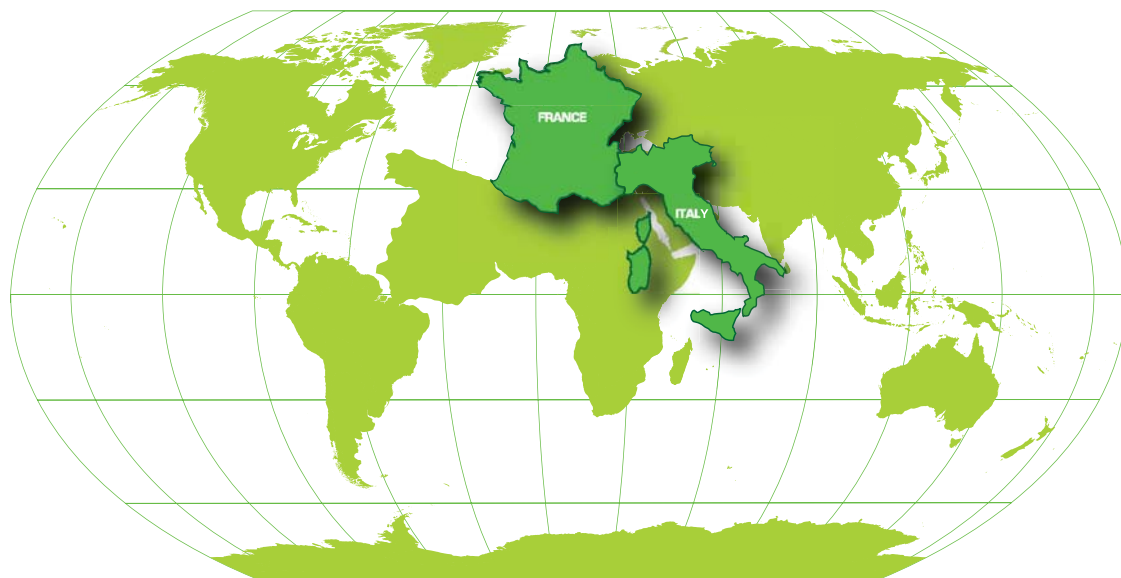
PERFORMANCES			
	Bar	m	l/min
	3.00	24.7	148.6
	4.00	26.8	172.0
	5.00	29.4	192.0
	6.00	31.2	210.4











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