



IRRIGATION CATALOG

Vurf

PROFESSIONAL IRRIGATION SYSTEMS
...FOR A SUSTAINABLE WORLD

20

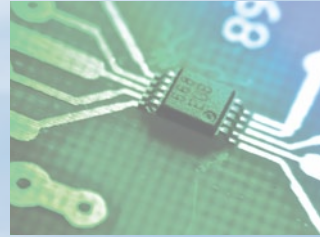


The company VYR S.A.

VYR S.A. is a Spanish company with **over 45 years of experience** in the manufacture of sprinklers and irrigation systems. Today is one of the leading irrigation companies and has an international presence on the five continents through a network of distributors in over 90 countries worldwide.

One feature that has always defined our brand, and that always has concerned us, is to achieve the highest quality. So we want to thank all those who have placed their trust in VYR and from there to ensure that the quality and good service will always be our reason for being.

Our mission: To manufacture high quality and reliable sprinkler irrigation equipment to increase energy efficiency, create high coefficients of uniformity in irrigation and improve water saving, thus increasing productivity and effectiveness to our customers.





MANUFACTURER Production 100%

CASTING FOUNDRY - PLASTIC INJECTION - STAMPING - DIECUTTING - MECHANIZATION
ASSEMBLING - ELECTRONICS - R+D+i - QUALITY ASSURANCE - LOGISTICS - TECH SUPPORT

The **I+D+i** (Research, Development and Innovation) of new products, quality control and implementation of the latest technological advances in the manufacturing process, make our brand to be the best tool to win our customers confidence.

TECHNICAL SUPPORT AND TRAINING: VYR S.A. offers to all our customers the technical support to develop your projects more easily and effectively. There are also different training courses to learn how to get the best possible performance for all VYR products.

QUALITY ASSURANCE: The quality is guaranteed at VYR S.A. by our AENOR certificate that proves we are under the **ISO 9001:2000** (Quality Control) regulations, and **UNE 16002** (I+D+i).



Color code index

10-24

GARDEN & TURF SPRINKLERS

- SPRAYERS

- VYR-118 Brass SprayersPg. 10
- VYR-180 Pop-Up Plastic SprayersPg. 11
- VYR-181 Pop-Up Plastic SprayersPg. 12
- Accesories for SprayersPg. 13
- Fix Nozzles for Sprayers.....Pg. 14
- Adjustable Nozzles for SprayersPg. 15

- GEAR-DRIVE ROTORS

- VYR-611Mini-TurfPg. 17
- VYR-612 Pro-TurfPg. 17
- VYR-620 Irri-TurfPg. 20

- IMPACT POP-UP SPRINKLERS

- VYR-961 UrbanPg. 22
- VYR-962 ColibríPg. 24

28-44

SPORT SPRINKLERS

- Sport Pop-Up Sprinklers

- VYR-650 S Green-Keeper SPg. 28
- VYR-650 M Green-Keeper M.....Pg. 30
- VYR-970 CanchaPg. 32
- VYR-972 Stadium.....Pg. 34

- Stadium Sprinklers

- VYR-973 ColiseumPg. 38
- VYR-980 Olimpia IIPg. 40
- VYR-5300 Rain RunnerPg. 42
- VYR-157.....Pg. 44

46-62

OVERHEAD SPRINKLERS

- Rotative Overhead

- VYR-968Pg. 47
- VYR-868Pg. 48
- VYR-59 MercedesPg. 49

- Impact Overhead

- VYR-50.....Pg. 50
- VYR-80.....Pg. 52
- VYR-802Pg. 54
- VYR-803 Colibrí.....Pg. 56
- VYR-60Pg. 58
- VYR-65.....Pg. 60
- VYR-150.....Pg. 62

63-75

DRIP AND MICRO-SPRINKLERS

- DRIP

- VYR-8030 Soil Tech-DripPg. 65
- VYR-9500 Pro Line-Drip.....Pg. 67

- MICRO-SPRINKLERS

- VYR-3000 Micro-Twister.....Pg. 71
- Micro-Sprinkler Accessories.....Pg. 73

CONTROLLERS AND TELE-MANAGEMENT

- Battery Controllers

| | |
|---------------------------------|--------|
| - PG-6053 BT | Pg. 76 |
| - PG-6050-6051 TAP-PRO | Pg. 78 |
| - PG-6060 AMPHIBIO | Pg. 79 |
| - PG-6010 MASTER-LATCH | Pg. 80 |
| - PG-6011 MASTER-RAIN 4.0 | Pg. 81 |
| - OASIS TELE-CONTROL | Pg. 82 |
| - HELIOS RADIO COM | Pg. 83 |
| - HYDRO-PLUS | Pg. 84 |

- Power Controllers

| | |
|--------------------------------|--------|
| - PG-6015 2 WIRE-DECODER | Pg. 86 |
| - PG-6045 RAIN-PRO | Pg. 88 |
| - PG-6055 AQUA-PRO | Pg. 89 |
| - SKYDROP ARC | Pg. 90 |
| - SKYDROP PLUS | Pg. 92 |

- Accessories for Controllers

| | |
|----------------------------|---------|
| - CABINET AND BOXES | Pg. 94 |
| - CONNECTIONS | Pg. 95 |
| - SENSORS | Pg. 97 |
| - RECHARGING SYSTEMS | Pg. 99 |
| - METEO STATIONS | Pg. 100 |

- VALVES**- Hydrant Valves**

| | |
|-------------------------|---------|
| - VYR-81-82-83 | Pg. 104 |
| - VYR-81P-82P-83P | Pg. 105 |

- Micro Valves

| | |
|------------------|---------|
| - VYR-6230 | Pg. 106 |
|------------------|---------|

- Solenoid Valves

| | |
|-------------------------------|---------|
| - VYR-6160 BRASS VALVES | Pg. 107 |
| - VYR-6400 GLOBE | Pg. 108 |
| - VYR-6150 HIGH-FLOW | Pg. 110 |

- Hydraulic Valves and Accessories

| | |
|-------------------------------------|---------|
| - VYR-6152 PLASTIC 2" and 3" | Pg. 112 |
| - VYR-6154 PLASTIC MODULAR 4" | Pg. 114 |

| | |
|---------------------------------|---------|
| - VYR-6110-6115-6111-6112 | Pg. 116 |
|---------------------------------|---------|

| | |
|--------------------------------------|---------|
| - ACCESSORIES HYDRAULIC VALVES | Pg. 117 |
|--------------------------------------|---------|

- Fixed Pressure Regulators

| | |
|-------------------|---------|
| - VYR-19 | Pg. 119 |
| - VYR-19 | Pg. 119 |
| - VYR-19 HF | Pg. 120 |

- Air Release Valves

| | |
|-------------------------------------|---------|
| - VYR-39 SIMPLE EFFECT | Pg. 122 |
| - VYR-39 DOUBLE-TRIPLE-EFFECT | Pg. 123 |
| - VYR-39 TRIPLE-EFFECT | Pg. 124 |

- Connectors and Racords

| | |
|-----------------------------------|---------|
| - CONNECTORS | Pg. 128 |
| - SWING-PIPES AND JOINTS | Pg. 129 |
| - RAISERS & EXPRESS SADDLES | Pg. 131 |
| - VALVE BOXES | Pg. 132 |
| - MANIFOLDS | Pg. 134 |

- Hose racords & nozzles

| | |
|---------------------------------|---------|
| - VYR-6 HOSE COUPLERS | Pg. 138 |
| - VYR-102 HOSE NOZZLES | Pg. 140 |
| - VYR-85 EXPRESS COUPLERS | Pg. 142 |

- Ball Valves

| | |
|-------------------------------|---------|
| - VYR-17 / VYR-30 ARTIC | Pg. 143 |
| - VYR-32 | Pg. 144 |
| - VYR-3 / VYR-32 | Pg. 145 |

- Sprinkler Stands

| | |
|----------------------------------|---------|
| - Spikes & bases | Pg. 146 |
| - VYR-87 Sleds and Tripods | Pg. 147 |
| - VYR-814 / VYR-875 | Pg. 148 |
| - Hoses and accessories | Pg. 149 |

- Filtration and Dosing

| | |
|-----------------------|----------|
| - Filtration | Pág. 151 |
| - Dosing system | Pág. 152 |

| | |
|--|---------|
| - Maintenance Tools | Pg. 154 |
| - Technical data, Support and Warranty | Pg. 158 |
| - Nozzles | Pg. 164 |



New Products 2019



Pg 64

DRIPPERS & MICRO-SPRINKLERS

Now the number of combinations are even larger than before for a full range of products for micro-irrigation and drip-irrigation of your gardens.



Pg 12

VYR-181 COMPACT SPRAYERS

Full range of 4 different size compact pop-up sprayers. The small size of the top cap makes the unit virtually invisible for more attractive landscapes. Made of durable materials including corrosion resistant stainless steel, assures long product life.



Pg 20

MINI-TURF 1/2" ROTOR VYR-611

Part circle 1/2" pop-up gear-drive rotor sprinkler ideal for small gardens and green areas with
FLOW: 400-1200 L/H
RANGE: 8-12 meters.
PRESSURE : 2-4 BAR



Pg 30

VYR-650 M SPORT & GOLF

Full and part circle 1 1/2" pop-up gear-drive rotor sprinkler ideal for sports such as golf courses, hockey, football, horsing etc...
FLOW: 1000-3400 L/H
RANGE: 17-32 meters.
PRESSURE : 4-8 BAR



Pg 36

New nozzles for models VYR-972 & VYR-973

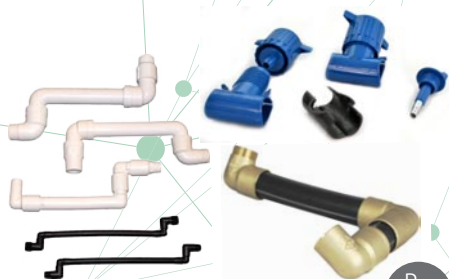
Nozzles reaching up to 17.5 mm with special counterweight to shovel manage to increase coverage under the sprinkler series VYR VYR-972 and-973.



Pg 40

POP-UP SPORT GUN VYR-980

This new emerging cannon for sport-field irrigation revolutionizes sports stadiums. Improving the features of its predecessor VYR-977, this model includes the hydraulic control valve. Performance is improved with large range of nozzles and decreasing the flow rate and pressure.



Pg 129

Hydro-NET

Pipe connectors, PE swing-joints, PVC swing-pipes, the new heavy-duty brass & PE swing-pipes, etc... everything what a professional contractor may need for a perfect and save pipe network.



Pg 8

Hydro-CAD

Irrigation Systems Software
Design program for drip and sprinkler irrigation systems, hydraulic sizing, with export of bills of material and valuation thereof.



Pg 84

Hydro-PLUS

Remote Control Software (APP)
This is our web environment and smart-phone software APP downloadable from the stores for IOS or ANDROID for the remote control of all our programmers with HydroPLUS communications access.



New Products 2019



Pg 76

PG-6053 LATCH 9 Vdc "BlueTooth"
"LATCH" programmer with 2 AAA 1.5 Vdc batteries. Connectivity through BLUETOOTH 5.0 through a downloadable APP for free for IOS and ANDROID mobile devices. Manual opening and closing with status light. Fittings for connection to faucet 1" H and 3/4" H and output 3/4" M or hose express fittings.



Pg 79

PG-6060 LATCH 9Vdc + Bluetooth
"LATCH" programmer with 6 AAA Vdc or 9Vdc alkaline batteries. It has three models of 1, 4 and 6 stations, with 3 programs and 8 stations per program. Logical and easy to operate from membrane keypad with 6 keys. Quick manual opening and closing from the keyboard.



Pg 80

PG-6010 3.0
New re-design of PG-6010 programmer "LATCH" with 9-12Vdc power supply. This new version now has a FERTIRRIGATION program and a program of IRRIGATION ON DEMAND, in addition to other existing irrigation programs or filters. It also has remote control Hydro-PLUS.



Pg 82

COMUNIC. LORA BRICKS / WiFi/4G
New modular BRICK cards to connect PG-6010, PG-6011 and PG-6060 programmers and provide these with remote connectivity to our HydroPLUS application. LORA communication with great coverage and connection to the network through 3G / 4G, WiFi or BlueTooth.



Pg 88

PG-6015 WD 3.0
Version similar to the current programmer PG-6010 3.0 but with 24Vac power and DECODER system for opening and closing up to 127 valves through 2 wires. It has 1 or 2 valve decoders. It also has remote control Hydro-PLUS.



Pg 90

SKYDROP ARC
Smart Controller WIFI of 24 Vac. Electric programmer for indoor / outdoor 24 Vac. which interacts with local meteorological data. Models of 8 and 16 stations, valve, master, inhibition sensors (rain sensor), calendar, etc. Easy to install and manage from any mobile device through the APP.



Pg 114

Re-design of solenoid valves VYR-6154 HF
New range of electro-valves with re-design of its diaphragms that widens the pressure range at both the opening and closing (0.6 - 12 BAR). Greater resistance, durability and tightness.



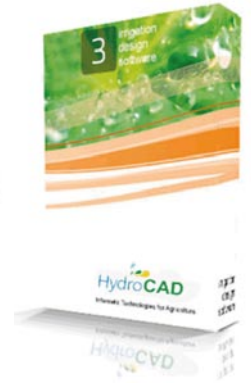
Pg 111

Pressure Reg Pilot for Solenoid Valves
New pressure regulator pilot as an accessory for all our electro-valves. It has a lateral mini-manometer for regulation. Regulation range from 1 to 10 BAR.



Pg 68

VYR-6154 Modular Hydraul. Valve
New 4" hydraulic valve made of plastic with modular connection of different type: FEMALE THREAD, FLANGE, GROOVE, PVC GLUE, PE ELECTRO-SOLDILE. Flow range of 20-170 m³ / H and two versions in PN-6 and PN-10.



VYR S.A. It has a specialized department for the calculation and design of all types of sprinkler irrigation projects. From its initial measurement and topographic phase of the land to the hydrographic calculation and design of the spacings between sprinklers and laterals. Our engineers will offer you the best possible solution according to your needs.

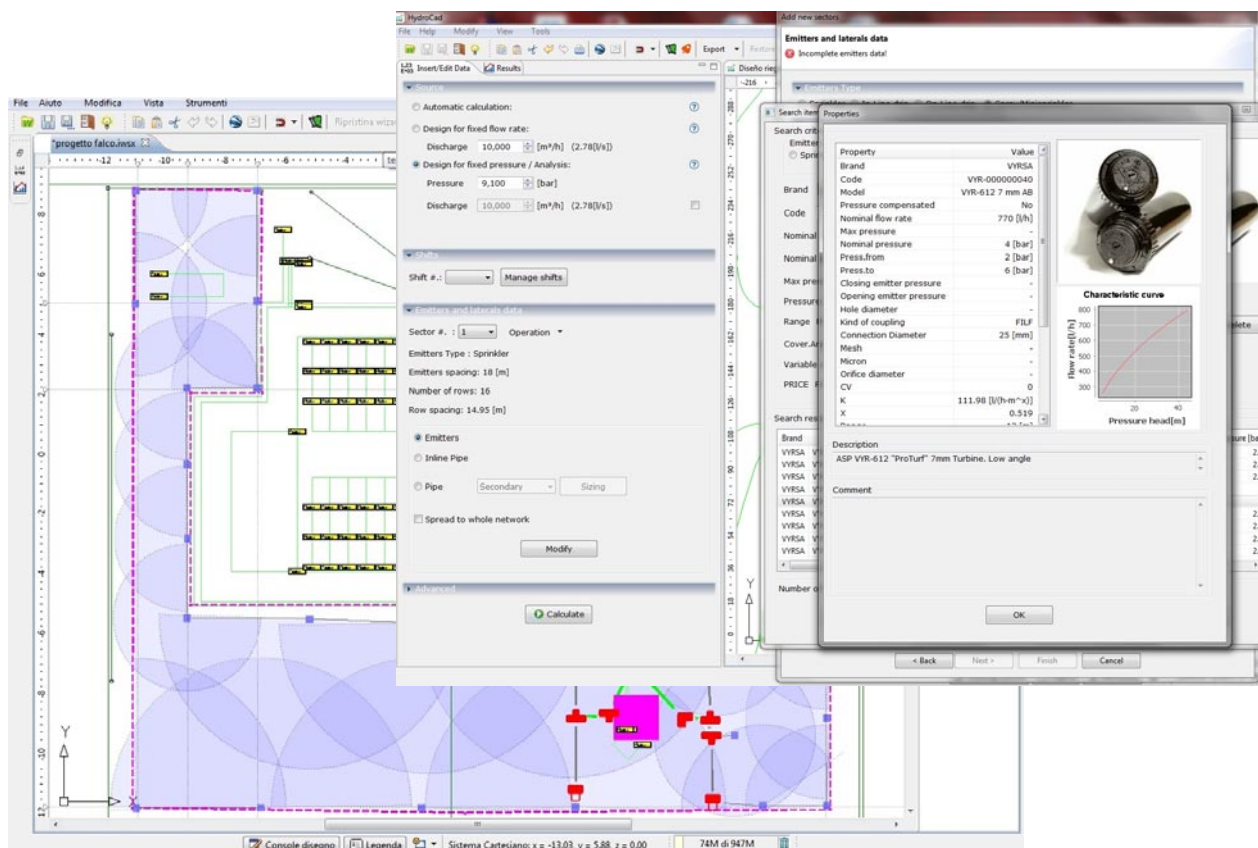
These are some of the different services that VYR S.A. it can offer:

- Data collection (topography, soil type, prevailing winds, availability of flow and pressure, measurements of tillage machinery, types of crops, weather, etc.).
- Conceptual design and choice of "Method" (See page 190).
- Topographic calculation.
- Differences in height and pressure. Design of supply rafts.
- Pumping and filtration calculations.
- "Ferti-Irrigation" options with injectors.
- Calculation of crop water needs (crop coefficients and E_p).
- Spacing between sprinklers and sides. Retranqueo in perimeters.
- Complete list of construction materials.
- Hydraulic sizing of pipes and hydrants.
- Civil Works contracting plan.
- Automation of the system and options of Control and Tele-management.
- Integration in Irrigation Communities.
- Start up.
- Advice and training for maintenance.



Let yourself be advised by our professionals to get the most out of your irrigation systems

The wide experience and our engineering capacity will bring you the highest efficiency and the best production results.

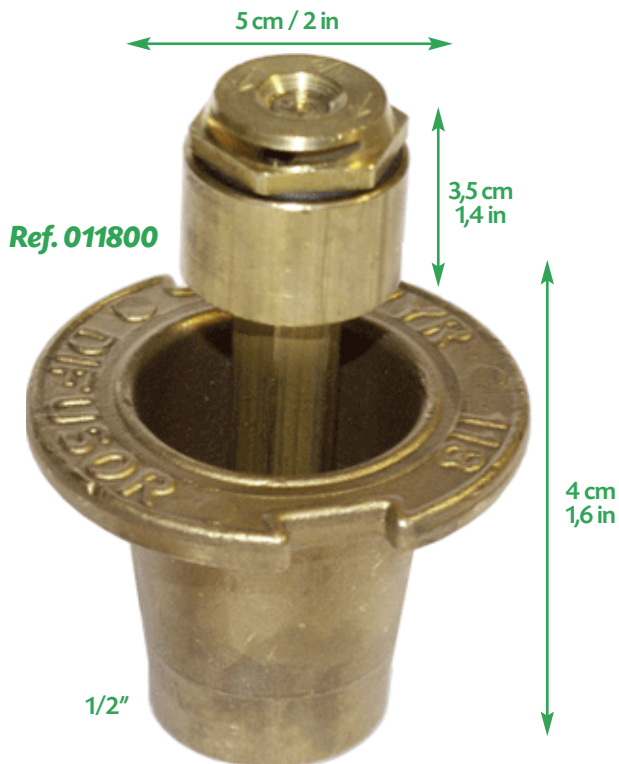


A black pop-up sprinkler is shown in the foreground, spraying water in a wide, fan-like pattern across a green lawn. In the background, there are several large, vibrant pink flowers, possibly bougainvillea, which are slightly out of focus. The overall scene is bright and sunny, suggesting a well-maintained garden.

Pop-Up Sprayers

- VYR-118 Brass SprayersPg. 10
- VYR-180 Pop-Up Plastic Sprayers.....Pg. 11
- VYR-181 Pop-Up Plastic SprayersPg. 12
- Accesories for Sprayers.....Pg. 13
- Fix Nozzles for Sprayers.....Pg. 14
- Adjustable Nozzles for SprayersPg. 15

VYR-118



VYR-118 · Brass Sprayers

GENERAL PROPERTIES:

- Pop-up or fixed spray sprinkler for “anti-vandal” urban use.
- 1/2” female connection.
- Made of brass.
- Anti-sand rubber seal.
- Flow regulating screw.

TECHNICAL SPECIFICATIONS:

- Reach: 3 - 5 m (9,8 - 16,4 ft)
- Flow: 240 - 1200 l/h (63 - 316 GPH)
- Working pressure: 1 - 4 BAR (14 - 58 PSI)
- Area: Full or part circle.
- Nozzles: Four nozzles of 360°, 270°, 180° and 90°
- Trajectory angles: 30°
- Maximum spray height: 1.2 m (3,9 ft)
- Uniformity coefficient higher than 90% in areas of 4x4R, 5x5T, 5x6T m / 13x13R, 16x16T, 16x20T ft

MEASUREMENTS:

- Height: 4 cm (1,4 in)
- Width: 5 cm (2 in)
- Weight: 158 g (0,35 Lbs)
- Units per box: 100

OPTIONS:

- Telescopic riser for ground height adjustment.

MODELS:

Ref. 011800: POP-UP sprayer.

Ref. 011900: Static adapter with filter.

NOZZLES

Ref. 111801: 360°

Ref. 111802: 180°

Ref. 111803: 90°

Ref. 111804: 270°

Ref. 111805: Lateral Frame.



| NOZZLE | Spacing (ft) / Precipit. rate (in/h) | | | | | | | |
|--------|--------------------------------------|------------|-------------|--------------|----------------|--------------|----------------|----------------|
| | BAR PSI | L/H GPH | Ø m Ø ft | 4x4 13x13 | 4x4T 13x13T | 6x6 20X20 | 6x6T 20X20T | 8x8T 26X26T |
| | 1 | 960 | 7 | 52 | 60 | 23 | 27 | 13 |
| | 15 | 253 | 23 | 2,05 | 2,35 | 0,90 | 1,05 | 0,50 |
| | 2 | 1320 | 7 | 71 | 82 | 32 | 37 | 18 |
| | 29 | 348 | 23 | 2,80 | 3,20 | 1,25 | 1,45 | 0,70 |

Ø: Diameter range

VYR-180 Pro-Spray



Ref. 018000



Ref. 118011



Ref. 118007



Ref. 118006

VYR-180 · Pop-Up Plastic Sprayers

GENERAL PROPERTIES:

- Pop-up spray sprinklers for residential and urban use.
- 1/2" female connection.
- Made of Delrin plastic.
- Stainless steel spring with continuous tension.
- Anti-sand rubber seal.
- Removable grit filter for maintenance cleaning.
- Flow regulating screw.
- Check valve for 6 m of water column retain (optional).

TECHNICAL SPECIFICATIONS:

- Reach: 3 - 5.5 m / 98, - 18 ft
- Flow: 240 - 1200 l/h (depending on nozzle type).
- Working pressure: 1 - 4 BAR / 14 - 58 PSI
- Area: Full or part circle.
- Nozzles: Four nozzles of 360°, 180°, 90° and adjustable 0° - 360°
- Trajectory angles: 30°
- Maximum spray height: 12 m / 3,9 ft
- Flow regulation: From total closure up to 15 VAN
- Uniformity coefficient higher than 90% in areas of 4x4R, 5x5T, 6x6T m / 13x13R, 16x16T, 20x20T ft

APPLICATIONS:

- Ideal for residential, urban and commercial green areas.
- Used in both garden and greenhouse irrigation.
- Small green spaces, areas with shrubs and low trees.



MEASUREMENTS:

- Height: 11 - 17 cm / 4,3 - 6,7 in
- Width: 5 cm / 2 in
- Pop-up: 5 - 9 cm / 2 - 3,5 in
- Weight: 68 g / 0,15 Lbs
- Units per box: 100

OPTIONS:

- Telescopic riser for ground height adjustment.
- 1 m high PVC tube for installation with adapter in areas with bushes and tall plants.
- Built-in check valve (4.8 m water column).

MODELS:

Ref. 018000: VYR-180-S, 11 cm / 4,3 in

Ref. 018200: VYR-180-L, 17 cm / 6 in

NOZZLES

Ref. 111801XXX: 360°

Ref. 111802XXX: 180°

Ref. 111803XXX: 90°

Ref. 111804XXX: Adjustable.

Ref. 111810: With check-valve VYR-180-00

VYR-181 Compact-Spray



VYR-181 · Pop-Up Plastic Sprayers

GENERAL PROPERTIES:

- Pop-up spray sprinklers for residential and urban use.
- 1/2" female connection.
- Made of Delrin plastic.
- Stainless steel spring with continuous tension.
- Anti-sand rubber seal.
- Removable grit filter for maintenance cleaning.
- Check valve for 6 m of water column retain (optional).

TECHNICAL SPECIFICATIONS:

- Reach: 3 - 5.5 m / 98, - 18 ft
- Flow: 240 - 1200 l/h (depending on nozzle type).
- Working pressure: 1 - 4 BAR / 14 - 58 PSI
- Area: Full or part circle.
- Nozzles: Four nozzles of 360°, 180°, 90° and adjustable 0° - 360°
- Trajectory angles: 30°
- Maximum spray height: 1.2 m / 3,9 ft
- Flow regulation: From total closure up to 15 VAN
- Uniformity coefficient higher than 90% in areas of 4x4R, 5x5T, 6x6T m / 13x13R, 16x16T, 20x20T ft.

APPLICATIONS:

- Ideal for residential, urban and commercial green areas.
- Used in both garden and greenhouse irrigation.
- Small green spaces, areas with shrubs and low trees.

MEASUREMENTS:

- Height: 10-23 cm / 4 - 9 in
- Width: 4 cm / 1,6 in
- Pop-up: 7-15 cm / 2- 6 in
- Weight: 90-120 g / 0,2 - 0,26 Lbs
- Units per box: 100

OPTIONS:

- Telescopic riser for ground height adjustment.
- 1m high PVC tube for installation with adapter in areas with bushes and tall plants.
- Built-in check valve (4.8 m water column).

MODELS:

- Ref. 118102: Pop-up sprayer 5 cm / 2 in.
- Ref. 118103: Pop-up sprayer 7 cm / 3 in.
- Ref. 118104: Pop-up sprayer 10 cm / 4 in.
- Ref. 118106: Pop-up sprayer 15 cm / 6 in.

With NOZZLES:

- Ref. 118102XXX: 360°
- Ref. 118103XXX: 180°
- Ref. 118104XXX: 90°
- Ref. 118006XXX: Adjustable (COLOR)

Ref. 11810X-C: With check-valve.



Check Valve



Accesories

VYR-2365 Telescopic riser for sprayers



GENERAL PROPERTIES:

- Telescopic riser made of aluminum and plastic for the placement of spray nozzles.
- Connecting inlet of 1/2" male.
- Green lacquered aluminum.
- Sealing nut to prevent leakage.
- Locking nut for adjusting height of the telescopic tube.

MODELS:

- Ref. 118030: 25+56 cm / 9,8 - 22 in
 Ref. 118033: 42+76 cm / 16 - 30 in
 Ref. 118035: 65+122 cm / 25 - 48 in



Sprayer Accesories



GENERAL PROPERTIES:

- Drain plug for the protection of the threads, manual emergency handle and drain hole for the pre-wash system.
- Special anti-sand filters to protect the nozzles.
- Anti-drain valves to prevent flooding, ponding or discharge of water level differences in the irrigation system.

MODELS:

- Ref. 118007: Check-Valve for VYR-180-S
 Ref. 118006: Check-Valve for VYR-180-L
 Ref. 118110: Check-Valve for VYR-181
 Ref. 418005: Filter for VYR-180 and VYR181
 Ref. 118011: Protection cap for DRAINAGE.

Sprayer 1/2" adapter

GENERAL PROPERTIES:

- Adapter diffuser nozzle holders with female thread 1/2".
- Made of high strength plastic POM.

MODELS:

- Ref. 012900: Spray Nozzle Adapter with 1/2" female inlet.

Ref. 012900

1/2"



Exhibitor boxes, bags, and blisters



GENERAL PROPERTIES:

- Boxes for 30 emerging diffusers 1/2 "
- Boxes for 24 turbines emerging 3/4 "
- Dispenser Box with 4 areas for parts in bulk.
- Zipper bags with hanger and different exposure measures for product groups.
- Cardboard and blister with hanger for display of product groups.
- Front display for placement of sprinklers 3/4" and 1/2" with brochure box.

Fixed Angle Spray Nozzles

VYR-1180-F Fix angle spray nozzles

V-fix Series



Ref. 118001A15

Ref. 118002A15



Ref. 1180031A15

GENERAL PROPERTIES:

V-fix nozzles are fixed-angle nozzles. There are three different models of 90°, 180°, 270° and 360°

These nozzles incorporate a flow control screw for manual re-adjustment of the flow.

In the same way as the series V-plus we offer 4 different models with a color code according to the flow.

TECHNICAL SPECIFICATIONS:

- Reach: 3 - 5.5 m / 98, - 18 ft
- Flow: 240 - 1200 l/h (depending on nozzle type).
- Working pressure: 1 - 4 BAR / 14 - 58 PSI

MODELS:

Ref. 118002 - AXX : 360°

Ref. 118002 - AXX : 270°

Ref. 118002 - AXX : 180°

Ref. 118002 - AXX : 90

Serie V-fix - METRIC

| Boquillas Fijas Fixed Arc | 2.1 m (7 ft.) | 3.0 m (10 ft.) | 3.7 m (12 ft.) | 4.6 m (15 ft.) |
|--|---|---|---|---|
| Fixed (Quarter, Half, Full) Trajectory: 0° Color Code: Brown | Fixed (Quarter, Half, Full) Trajectory: 15° Color Code: Red | Fixed (Quarter, Half, Full) Trajectory: 28° Color Code: Green | Fixed (Quarter, Half, Full) Trajectory: 28° Color Code: Black | |
| Arc | Radius Flow m LPM | Radius Flow m mLPM | Radius Flow m LPM | Radius Flow m LPM |
| 90° | 7Q | 10Q | 12Q | 15Q |
| 180° | 7H | 10H | 12H | 15H |
| 360° | 7F | 10F | 12F | 15F |
| Pressure Bar Kpa | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 |

Serie V-fix - IMPERIAL

| Boquillas Fijas Fixed Arc | 2.1 m (7 ft.) | 3.0 m (10 ft.) | 3.7 m (12 ft.) | 4.6 m (15 ft.) |
|--|---|---|---|---|
| Fixed (Quarter, Half, Full) Trajectory: 0° Color Code: Brown | Fixed (Quarter, Half, Full) Trajectory: 15° Color Code: Red | Fixed (Quarter, Half, Full) Trajectory: 28° Color Code: Green | Fixed (Quarter, Half, Full) Trajectory: 28° Color Code: Black | |
| Arc | Radius Flow Ft. GPM | Radius Flow Ft. GPM | Radius Flow Ft. GPM | Radius Flow Ft. GPM |
| 90° | 7Q | 10Q | 12Q | 15Q |
| 180° | 7H | 10H | 12H | 15H |
| 360° | 7F | 10F | 12F | 15F |
| Pressure BAR PSI | 1.4 7.8 1.7 24.7 2.1 30.5 2.4 34.8 2.8 40.6 | 1.4 7.8 1.7 24.7 2.1 30.5 2.4 34.8 2.8 40.6 | 1.4 7.8 1.7 24.7 2.1 30.5 2.4 34.8 2.8 40.6 | 1.4 7.8 1.7 24.7 2.1 30.5 2.4 34.8 2.8 40.6 |



VYR-1180-E Adjustable angle spray nozzles

Serie V-eco

Serie V-eco - METRIC

| Adjustable Arc Nozzles | | 2.4 m (8 ft.) | 3.0 m (10 ft.) | 3.7 m (12 ft.) | 4.6 m (15 ft.) | 5.0 m (17 ft.) |
|------------------------|---|---|--|--|--|---|
| | | Adjustable (25° to 360°) Trajectory: 0° Color Code: Brown | Adjustable (25° to 360°) Trajectory: 15° Color Code: Red | Adjustable (25° to 360°) Trajectory: 28° Color Code: Green | Adjustable (25° to 360°) Trajectory: 28° Color Code: Black | Adjustable (25° to 360°) Trajectory: 28° Color Code: Grey |
| Arc | Pressure Bar Kpa | Radius Flow m LPM | Radius Flow m LPM | Radius Flow m LPM | Radius Flow m LPM | Radius Flow m LPM |
| 45° | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 8A 1,7 0,6 1,8 0,8 2,1 0,9 2,5 1,1 2,7 1,3 | 10A 2,5 0,7 3 0,8 3,2 1 3,6 1,1 3,8 1,4 | 12A 3,2 1 3,5 1,2 3,8 1,4 4 1,5 4,2 1,6 | 15A 4,2 1,6 4,4 1,8 4,7 1,9 4,9 2,1 5,1 2,2 | 17A 4,7 1,9 4,9 2,1 5,2 2,2 5,4 2,5 5,7 2,7 |
| 90° | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 8A 1,7 1,4 1,8 1,6 2,1 1,9 2,5 2,2 2,7 2,6 | 10A 2,5 1,5 3 1,6 3,2 1,9 3,6 2,3 3,8 2,4 | 12A 3,2 2,1 3,5 2,3 3,8 2,6 4 2,9 4,2 3,1 | 15A 4,2 2,9 4,4 3,2 4,7 3,6 4,9 4 5,1 4,2 | 17A 4,7 3,8 4,9 4,2 5,2 4,5 5,4 4,9 5,7 5,4 |
| 120° | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 8A 1,7 1,8 1,8 2 2,1 2,4 2,5 2,8 2,7 3,6 | 10A 2,5 1,8 3 2,1 3,2 2,4 3,6 2,8 3,8 3,7 | 12A 3,2 2,8 3,5 3 3,8 3,5 4 3,9 4,2 4,3 | 15A 4,2 3,9 4,4 4,5 4,7 4,8 4,9 5,1 5,1 5,4 | 17A 4,7 5,0 4,9 5,6 5,2 5,9 5,4 6,5 5,7 7,2 |
| 180° | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 8A 1,7 2,7 1,8 3,1 2,1 3,6 2,5 3,9 2,7 5,5 | 10A 2,5 2,8 3 3,1 3,2 3,7 3,6 3,9 3,8 5,6 | 12A 3,2 4,2 3,5 4,4 3,8 5,4 4 5,9 4,2 6,3 | 15A 4,2 5,8 4,4 6,6 4,7 7,1 4,9 7,6 5,1 8,5 | 17A 4,7 7,7 4,9 8,2 5,2 8,9 5,4 9,8 5,7 10,8 |
| 240° | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 8A 1,7 3,5 1,8 4 2,1 4,7 2,5 5,4 2,7 7,2 | 10A 2,5 3,6 3 4,1 3,2 4,7 3,6 5,5 3,8 7,2 | 12A 3,2 5,5 3,5 5,9 3,8 7 4 7,8 4,2 8,3 | 15A 4,2 7,7 4,4 8,6 4,7 9,1 4,9 10,3 5,1 11,4 | 17A 4,7 10,3 4,9 11,1 5,2 11,9 5,4 13,1 5,7 14,5 |
| 270° | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 8A 1,7 3,9 1,8 4,5 2,1 5,6 2,5 6 2,7 8,1 | 10A 2,5 3,9 3 4,6 3,2 5,7 3,6 6,1 3,8 8,1 | 12A 3,2 6,2 3,5 6,5 3,8 8,2 4 8,5 4,2 9,4 | 15A 4,2 8,5 4,4 9,8 4,7 10,4 4,9 11,6 5,1 12,7 | 17A 4,7 11,6 4,9 12,5 5,2 13,4 5,4 14,7 5,7 16,3 |
| 360° | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 8A 1,7 5,2 1,8 6,1 2,1 7,5 2,5 7,9 2,7 11 | 10A 2,5 5,3 3 6,2 3,2 7,5 3,6 8 3,8 11,2 | 12A 3,2 8,2 3,5 8,7 3,8 10,8 4 11,4 4,2 12,6 | 15A 4,2 11,6 4,4 13,1 4,7 13,9 4,9 15,2 5,1 16,9 | 17A 4,7 15,5 4,9 16,6 5,2 17,8 5,4 19,7 5,7 21,7 |



GENERAL PROPERTIES:

The new counted nozzles V-echo at a rate proportional to the surface to water. The different models are differentiated depending on flow rate through a range of colors (brown, red, black green, gray), offering different turn angles of trajectory projection for greater flexibility.

They also have flow control screw for manual re-adjustment to its total closure rate.

MODELS:

Ref. 118000 - 8A : 2,4 m / 8 ft.

Ref. 118000 - 10A : 3 m / 10 ft.

Ref. 118000 - 12A : 3,7 m / 12 ft.

Ref. 118000 - 15A : 4,5 m / 15 ft.

Ref. 118000 - 17A : 5 m / 17 ft.

Serie V-eco - IMPERIAL

| Adjustable Arc Nozzles | | 2.4 m (8 ft.) | 3.0 m (10 ft.) | 3.7 m (12 ft.) | 4.6 m (15 ft.) | 5.0 m (17 ft.) |
|------------------------|---|---|---|---|---|---|
| | | Adjustable (25° to 360°) Trajectory: 0° Color Code: Brown | Adjustable (25° to 360°) Trajectory: 15° Color Code: Red | Adjustable (25° to 360°) Trajectory: 28° Color Code: Green | Adjustable (25° to 360°) Trajectory: 28° Color Code: Black | Adjustable (25° to 360°) Trajectory: 28° Color Code: Grey |
| Arc | Pressure BAR PSI | Radius Flow Ft. GPM | Radius Flow Ft. GPM | Radius Flow Ft. GPM | Radius Flow Ft. GPM | Radius Flow Ft. GPM |
| 45° | 1.4 7,8 1.7 24,7 2.1 30,5 2.4 34,8 2.8 40,6 | 8A 5,6 0,16 5,9 0,21 6,9 0,24 8,2 0,29 8,9 0,34 | 10A 8,2 0,18 9,8 0,21 10,5 0,26 11,8 0,29 12,5 0,37 | 12A 10,5 0,26 12,5 0,37 13,1 0,40 13,8 0,42 | 15A 13,8 0,42 14,4 0,48 15,4 0,50 16,1 0,55 16,7 0,58 | 17A 15,4 0,50 16,1 0,55 17,1 0,58 17,7 0,66 18,7 0,71 |
| 90° | 1.4 7,8 1.7 24,7 2.1 30,5 2.4 34,8 2.8 40,6 | 8A 5,6 0,37 5,9 0,42 6,9 0,50 8,2 0,58 8,9 0,69 | 10A 8,2 0,40 9,8 0,42 10,5 0,50 11,8 0,61 12,5 0,74 | 12A 10,5 0,55 11,5 0,61 12,5 0,69 13,1 0,77 13,8 0,82 | 15A 13,8 0,77 14,4 0,84 15,4 0,95 16,1 1,06 16,7 1,11 | 17A 15,4 1,00 16,1 1,11 17,1 1,19 17,7 1,29 18,7 1,43 |
| 120° | 1.4 7,8 1.7 24,7 2.1 30,5 2.4 34,8 2.8 40,6 | 8A 5,6 0,48 5,9 0,53 6,9 0,63 8,2 0,74 8,9 0,95 | 10A 8,2 0,48 9,8 0,42 10,5 0,50 11,8 0,61 12,5 0,74 | 12A 10,5 0,74 11,5 0,79 12,5 0,92 13,1 1,03 13,8 1,14 | 15A 13,8 1,03 14,4 1,19 15,4 1,27 16,1 1,35 16,7 1,43 | 17A 15,4 1,32 16,1 1,48 17,1 1,56 17,7 1,72 18,7 1,90 |
| 180° | 1.4 7,8 1.7 24,7 2.1 30,5 2.4 34,8 2.8 40,6 | 8A 5,6 0,71 5,9 0,82 6,9 0,95 8,2 1,03 8,9 1,45 | 10A 8,2 0,74 9,8 0,82 10,5 0,98 11,8 1,03 12,5 1,48 | 12A 10,5 1,1 11,5 1,16 12,5 1,43 13,1 1,56 13,8 1,66 | 15A 13,8 1,53 14,4 1,74 15,4 1,87 16,1 2,01 16,7 2,24 | 17A 15,4 2,03 16,1 2,16 17,1 2,35 17,7 2,59 18,7 2,85 |
| 240° | 1.4 7,8 1.7 24,7 2.1 30,5 2.4 34,8 2.8 40,6 | 8A 5,6 0,92 5,9 1,06 6,9 1,24 8,2 1,43 8,9 1,90 | 10A 8,2 0,95 9,8 1,08 10,5 1,24 11,8 1,45 12,5 1,90 | 12A 10,5 1,45 11,5 1,56 12,5 1,85 13,1 2,06 13,8 2,19 | 15A 13,8 2,03 14,4 2,27 15,4 2,40 16,1 2,72 16,7 3,01 | 17A 15,4 2,72 16,1 2,93 17,1 3,14 17,7 3,46 18,7 3,83 |
| 270° | 1.4 7,8 1.7 24,7 2.1 30,5 2.4 34,8 2.8 40,6 | 8A 5,6 1,03 5,9 1,19 6,9 1,48 8,2 1,58 8,9 2,14 | 10A 8,2 1,03 9,8 1,21 10,5 1,50 11,8 1,61 12,5 2,14 | 12A 10,5 1,64 11,5 1,72 12,5 2,16 13,1 2,24 13,8 2,48 | 15A 13,8 2,24 14,4 2,59 15,4 2,75 16,1 3,06 16,7 3,35 | 17A 15,4 3,06 16,1 3,30 17,1 3,54 17,7 3,88 18,7 4,30 |
| 360° | 1.4 7,8 1.7 24,7 2.1 30,5 2.4 34,8 2.8 40,6 | 8A 5,6 1,37 5,9 1,61 6,9 1,98 8,2 2,09 8,9 2,90 | 10A 8,2 1,40 9,8 1,64 10,5 1,98 11,8 2,11 12,5 2,96 | 12A 10,5 2,16 11,5 2,30 12,5 2,85 13,1 3,01 13,8 3,33 | 15A 13,8 3,06 14,4 3,46 15,4 3,67 16,1 4,01 16,7 4,46 | 17A 15,4 4,09 16,1 4,38 17,1 4,70 17,7 5,20 18,7 5,73 |



VYR-1180-P Adjustable Angle Stream Nozzles

V-plus Series

Serie V-plus - METRIC

| Adjustable Arc | 2.1 m (7 ft.) | | 3.0 m (10 ft.) | | 3.7 m (12 ft.) | | 4.6 m (15 ft.) | |
|----------------|---|--|--|--|--|----------------------|--|----------------------|
| | Adjustable (25° to 360°) Trajectory: 0° Color Code: Brown ● | | Adjustable (25° to 360°) Trajectory: 15° Color Code: Red ● | | Adjustable (25° to 360°) Trajectory: 28° Color Code: Green ● | | Adjustable (25° to 360°) Trajectory: 28° Color Code: Black ● | |
| Arc | Pressure Bar Kpa | Radius Flow m LPM | Radius Flow m LPM | Radius Flow m LPM | Radius Flow m LPM | Radius Flow m LPM | Radius Flow m LPM | Radius Flow m LPM |
| 45° | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 7A 1,7 0,6 1,8 0,8 2,1 0,9 2,5 1,1 2,7 1,3 | 10A 2,5 0,7 3 0,8 3,2 1 3,6 1,1 3,8 1,4 | 12A 3,2 1 3,5 1,2 3,8 1,4 4 1,5 4,2 1,6 | 15A 4,2 1,6 4,4 1,8 4,7 1,9 4,9 2,1 5,1 2,2 | | | |
| 90° | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 7A 1,7 1,4 1,8 1,6 2,1 1,9 2,5 2,2 2,7 2,6 | 10A 2,5 1,5 3 1,6 3,2 1,9 3,6 2,3 3,8 2,8 | 12A 3,2 2,1 3,5 2,3 3,8 2,6 4 2,9 4,2 3,1 | 15A 4,2 2,9 4,4 3,2 4,7 3,6 4,9 4 5,1 4,2 | | | |
| 120° | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 7A 1,7 1,8 1,8 2 2,1 2,4 2,5 2,8 2,7 3,6 | 10A 2,5 1,8 3 2,1 3,2 2,4 3,6 2,8 3,8 3,7 | 12A 3,2 2,8 3,5 3 3,8 3,5 4 3,9 4,2 4,3 | 15A 4,2 3,9 4,4 4,5 4,7 4,8 4,9 5,1 5,1 5,4 | | | |
| 180° | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 7A 1,7 2,7 1,8 3,1 2,1 3,6 2,5 3,9 2,7 5,5 | 10A 2,5 2,8 3 3,1 3,2 3,7 3,6 3,9 3,8 5,6 | 12A 3,2 4,2 3,5 4,4 3,8 5,4 4 5,9 4,2 6,3 | 15A 4,2 5,8 4,4 6,6 4,7 7,1 4,9 7,6 5,1 8,5 | | | |
| 240° | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 7A 1,7 3,5 1,8 4 2,1 4,7 2,5 5,4 2,7 7,2 | 10A 2,5 3,6 3 4,1 3,2 4,7 3,6 5,5 3,8 7,2 | 12A 3,2 5,5 3,5 5,9 3,8 7 4 7,8 4,2 8,3 | 15A 4,2 7,7 4,4 8,6 4,7 9,1 4,9 10,3 5,1 11,4 | | | |
| 270° | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 7A 1,7 3,9 1,8 4,5 2,1 5,6 2,5 6 2,7 8,1 | 10A 2,5 3,9 3 4,6 3,2 5,7 3,6 6,1 3,8 8,1 | 12A 3,2 6,2 3,5 6,5 3,8 8,2 4 8,5 4,2 9,4 | 15A 4,2 8,5 4,4 9,8 4,7 10,4 4,9 11,6 5,1 12,7 | | | |
| 360° | 1.4 137 1.7 172 2.1 206 2.4 241 2.8 275 | 7A 1,7 5,2 1,8 6,1 2,1 7,5 2,5 7,9 2,7 11 | 10A 2,5 5,3 3 6,2 3,2 7,5 3,6 8 3,8 11,2 | 12A 3,2 8,2 3,5 8,7 3,8 10,8 4 11,4 4,2 12,6 | 15A 4,2 11,6 4,4 13,1 4,7 13,9 4,9 15,2 5,1 16,9 | | | |

GENERAL PROPERTIES:

The nozzles known as V-Plus are the most simple and quick to install and adjust. Have a volume proportional to the water surface, and also its flow regulating screw allows a manual variation until total closure.

The filter of high quality and precision that accompanies this tip protects it from clogging.

MODELS:

Ref. 118004 - 8A : 2,4 m / 8 ft.

Ref. 118004 - 10A : 3 m / 10 ft.

Ref. 118004 - 12A : 3,7 m / 12 ft.

Ref. 118004 - 15A : 4,5 m / 15 ft.

Ref. 118004 - 17A : 5 m / 17 ft.



Serie V-plus - IMPERIAL

| Adjustable Arc | 2.1 m (7 ft.) | | 3.0 m (10 ft.) | | 3.7 m (12 ft.) | | 4.6 m (15 ft.) | |
|----------------|---|---|--|---|--|------------------------|--|------------------------|
| | Adjustable (25° to 360°) Trajectory: 0° Color Code: Brown ● | | Adjustable (25° to 360°) Trajectory: 15° Color Code: Red ● | | Adjustable (25° to 360°) Trajectory: 28° Color Code: Green ● | | Adjustable (25° to 360°) Trajectory: 28° Color Code: Black ● | |
| Arc | Pressure BAR PSI | Radius Flow Ft. GPM | Radius Flow Ft. GPM | Radius Flow Ft. GPM | Radius Flow Ft. GPM | Radius Flow Ft. GPM | Radius Flow Ft. GPM | Radius Flow Ft. GPM |
| 45° | 1.4 7,8 1.7 24,7 2.1 30,5 2.4 34,8 2.8 40,6 | 7A 5,6 0,16 5,9 0,21 6,9 0,24 8,2 0,29 8,9 0,34 | 10A 8,2 0,18 9,8 0,21 10,5 0,26 11,8 0,29 12,5 0,37 | 12A 10,5 0,26 11,5 0,32 12,5 0,37 13,1 0,40 13,8 0,42 | 15A 13,8 0,42 14,4 0,48 15,4 0,50 16,1 0,55 16,7 0,58 | | | |
| 90° | 1.4 7,8 1.7 24,7 2.1 30,5 2.4 34,8 2.8 40,6 | 7A 5,6 0,37 5,9 0,42 6,9 0,50 8,2 0,58 8,9 0,69 | 10A 8,2 0,40 9,8 0,42 10,5 0,50 11,8 0,61 12,5 0,74 | 12A 10,5 0,55 11,5 0,61 12,5 0,69 13,1 0,77 13,8 0,82 | 15A 13,8 0,77 14,4 0,84 15,4 0,95 16,1 1,06 16,7 1,11 | | | |
| 120° | 1.4 7,8 1.7 24,7 2.1 30,5 2.4 34,8 2.8 40,6 | 7A 5,6 0,48 5,9 0,53 6,9 0,63 8,2 0,74 8,9 0,95 | 10A 8,2 0,48 9,8 0,42 10,5 0,50 11,8 0,61 12,5 0,74 | 12A 10,5 0,74 11,5 0,79 12,5 0,92 13,1 1,03 13,8 1,14 | 15A 13,8 1,03 14,4 1,19 15,4 1,27 16,1 1,35 16,7 1,43 | | | |
| 180° | 1.4 7,8 1.7 24,7 2.1 30,5 2.4 34,8 2.8 40,6 | 7A 5,6 0,71 5,9 0,82 6,9 0,95 8,2 1,03 8,9 1,45 | 10A 8,2 0,74 9,8 0,82 10,5 0,98 11,8 1,03 12,5 1,48 | 12A 10,5 1,1 11,5 1,16 12,5 1,43 13,1 1,56 13,8 1,66 | 15A 13,8 1,53 14,4 1,74 15,4 1,87 16,1 2,01 16,7 2,24 | | | |
| 240° | 1.4 7,8 1.7 24,7 2.1 30,5 2.4 34,8 2.8 40,6 | 7A 5,6 0,92 5,9 1,06 6,9 1,24 8,2 1,43 8,9 1,90 | 10A 8,2 0,95 9,8 1,08 10,5 1,24 11,8 1,45 12,5 1,90 | 12A 10,5 1,45 11,5 1,56 12,5 1,85 13,1 2,06 13,8 2,19 | 15A 13,8 2,03 14,4 2,27 15,4 2,40 16,1 2,72 16,7 3,01 | | | |
| 270° | 1.4 7,8 1.7 24,7 2.1 30,5 2.4 34,8 2.8 40,6 | 7A 5,6 1,03 5,9 1,19 6,9 1,48 8,2 1,58 8,9 2,14 | 10A 8,2 1,03 9,8 1,21 10,5 1,50 11,8 1,61 12,5 2,14 | 12A 10,5 1,64 11,5 1,72 12,5 2,16 13,1 2,24 13,8 2,48 | 15A 13,8 2,24 14,4 2,59 15,4 2,75 16,1 3,06 16,7 3,35 | | | |
| 360° | 1.4 7,8 1.7 24,7 2.1 30,5 2.4 34,8 2.8 40,6 | 7A 5,6 1,37 5,9 1,61 6,9 1,98 8,2 2,09 8,9 2,90 | 10A 8,2 1,40 9,8 1,64 10,5 1,98 11,8 2,11 12,5 2,96 | 12A 10,5 2,16 11,5 2,30 12,5 2,85 13,1 3,01 13,8 3,33 | 15A 13,8 3,06 14,4 3,46 15,4 3,67 16,1 4,01 16,7 4,46 | | | |



VYR-1180-S Shrub Strip Nozzles (SPECIAL PATTERN)

V-plus Series



GENERAL PROPERTIES:

V-fix nozzles with special coverage patterns. There are 4 different models depending on the shape of coverage.

These nozzles incorporate a flow control screw for manual re-adjustment of the flow.

In a similar way as the series V-plus we offer 2 different models with a color code according to the flow.

TECHNICAL SPECIFICATIONS:





- Reach: 4,5 - 9 m / 15 - 30 ft
- Flow: 100 - 460 L/H / 26 - 122 GPH (depending on nozzle type).
- Working pressure: 1 - 4 BAR / 14 - 58 PSI

MODELS:





- Ref. 118201 - LS : End Strip.
- Ref. 118202 - CS : Center Strip
- Ref. 118205 - SS : Side Strip.
- Ref. 118210 - SQ: Square.



Serie V-fix - METRIC

| Strip Pattern Nozzles | 4,5 m (15 ft.) | | 6.0 m (20 ft.) | |
|---|--|----------------------|---|----------------------|
| | Fixed (Low Flow) Trajectory: 15° Color Code: Brown ● | | Fixed (Medium Flow) Trajectory: 15° Color Code: Red ● | |
| Pattern | Pressure Bar Kpa | Radius Flow m LPM | Radius Flow m LPM | Radius Flow m LPM |
|  | 1.4 137 | 1,2 x 4,3 2,0 | 1,2 x 4,3 2,0 | 1,2 x 4,3 2,0 |
| | 1.7 172 | 1,2 x 4,3 2,2 | 1,2 x 4,3 2,2 | 1,2 x 4,3 2,2 |
| | 2.1 206 | 1,4 x 4,4 2,5 | 1,4 x 4,4 2,5 | 1,4 x 4,4 2,5 |
| | 2.4 241 | 1,5 x 4,4 2,8 | 1,5 x 4,4 2,8 | 1,5 x 4,4 2,8 |
| | 2.8 275 | 1,6 x 4,5 3,1 | 1,6 x 4,5 3,1 | 1,6 x 4,5 3,1 |
|  | 1.4 137 | 1,2 x 8,6 4,0 | 1,2 x 8,6 4,0 | 1,2 x 8,6 4,0 |
| | 1.7 172 | 1,2 x 8,6 4,4 | 1,2 x 8,6 4,4 | 1,2 x 8,6 4,4 |
| | 2.1 206 | 1,4 x 8,8 5,0 | 1,4 x 8,8 5,0 | 1,4 x 8,8 5,0 |
| | 2.4 241 | 1,5 x 8,8 5,6 | 1,5 x 8,8 5,6 | 1,5 x 8,8 5,6 |
| | 2.8 275 | 1,6 x 9,0 6,2 | 1,6 x 9,0 6,2 | 1,6 x 9,0 6,2 |
|  | 1.4 137 | 2,4 x 8,6 6,0 | 2,4 x 8,6 6,0 | 2,4 x 8,6 6,0 |
| | 1.7 172 | 2,4 x 8,6 6,4 | 2,4 x 8,6 6,4 | 2,4 x 8,6 6,4 |
| | 2.1 206 | 2,8 x 8,8 7,8 | 2,8 x 8,8 7,8 | 2,8 x 8,8 7,8 |
| | 2.4 241 | 3,0 x 8,8 8,4 | 3,0 x 8,8 8,4 | 3,0 x 8,8 8,4 |
| | 2.8 275 | 3,2 x 9,0 9,2 | 3,2 x 9,0 9,2 | 3,2 x 9,0 9,2 |
|  | 1.4 137 | 6,6 x 6,6 12 | 2,4 x 8,6 6,0 | 2,4 x 8,6 6,0 |
| | 1.7 172 | 6,6 x 6,6 13 | 2,4 x 8,6 6,4 | 2,4 x 8,6 6,4 |
| | 2.1 206 | 6,8 x 6,8 15 | 2,8 x 8,8 7,8 | 2,8 x 8,8 7,8 |
| | 2.4 241 | 6,8 x 6,8 17 | 3,0 x 8,8 8,4 | 3,0 x 8,8 8,4 |
| | 2.8 275 | 7,0 x 7,0 18 | 3,2 x 9,0 9,2 | 3,2 x 9,0 9,2 |

Serie V-fix - IMPERIAL

| Strip Pattern Nozzles | 2.1 m (7 ft.) | | 3.0 m (10 ft.) | |
|---|--|-----------------------|---|-----------------------|
| | Fixed (Low Flow) Trajectory: 15° Color Code: Brown ● | | Fixed (Medium Flow) Trajectory: 15° Color Code: Red ● | |
| Pattern | Pressure PSI Kpa | Radius Flow ft GPM | Radius Flow ft GPM | Radius Flow ft GPM |
|  | 1.4 137 | 1,2 x 4,2 2,5 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 1.7 172 | 1,2 x 4,2 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 2.1 206 | 1,4 x 4,3 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 2.4 241 | 1,5 x 4,4 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 2.8 275 | 1,6 x 4,5 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
|  | 1.4 137 | 1,2 x 4 0,7 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 1.7 172 | 1,2 x 4 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 2.1 206 | 1,2 x 4 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 2.4 241 | 1,2 x 4 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 2.8 275 | 1,2 x 4 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
|  | 1.4 137 | 1,2 x 4 1,2 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 1.7 172 | 1,2 x 4 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 2.1 206 | 1,2 x 4 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 2.4 241 | 1,2 x 4 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 2.8 275 | 1,2 x 4 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
|  | 1.4 137 | 1,2 x 4 1,2 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 1.7 172 | 1,2 x 4 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 2.1 206 | 1,2 x 4 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 2.4 241 | 1,2 x 4 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |
| | 2.8 275 | 1,2 x 4 1,4 | 1,2 x 4 1,4 | 1,2 x 4 1,4 |

VYR-1180-B Bubbler Nozzles

V-plus Series



GENERAL PROPERTIES:

V-fix nozzles are fixed-angle nozzles. There are three different models of 90°, 180°, 270° and 360°

These nozzles incorporate a flow control screw for manual re-adjustment of the flow.

In the same way as the series V-plus we offer 4 different models with a color code according to the flow.

TECHNICAL SPECIFICATIONS:

- Reach: 10 - 18 cm / 4 - 7 in.
- Flow: 240 - 1200 l/h (depending on nozzle type).
- Working pressure: 1 - 4 BAR / 14 - 58 PSI
- Area: Full circle or lateral

MODELS:

Ref. 118312 - SS : 2 Side Streams.

Ref. 118316 - CS : 6 Radial Streams.

Ref. 118320 - U : Umbrella.

Serie V-fix - METRIC

| Fixed Arc | 2.1 m (7 ft.) | | 3.0 m (10 ft.) | | 3.7 m (12 ft.) | | 4.6 m (15 ft.) | |
|-----------|--|----------------------|---|----------------------|---|----------------------|---|----------------------|
| | Fixed (Quarter, Half, Full) Trajectory: 0° Color Code: Brown ● | | Fixed (Quarter, Half, Full) Trajectory: 15° Color Code: Red ● | | Fixed (Quarter, Half, Full) Trajectory: 28° Color Code: Green ● | | Fixed (Quarter, Half, Full) Trajectory: 28° Color Code: Black ● | |
| Arc | Pressure Bar Kpa | Radius Flow m LPM | Radius Flow m mLPM | Radius Flow m LPM | Radius Flow m LPM | Radius Flow m LPM | Radius Flow m LPM | Radius Flow m LPM |
| 1.4 | 137 | 1,7 1,4 | 2,5 2,2 | 3,2 2,5 | 4,2 6 | 4,2 6 | 4,2 6 | 4,2 6 |
| 1.7 | 172 | 1,8 1,6 | 3 3,1 | 3,5 3,4 | 4,4 6,8 | 4,4 6,8 | 4,4 6,8 | 4,4 6,8 |
| 2.1 | 206 | 2,1 1,9 | 3,2 3,5 | 3,8 3,6 | 4,7 7,1 | 4,7 7,1 | 4,7 7,1 | 4,7 7,1 |
| 2.4 | 241 | 2,5 1,9 | 3,6 3,6 | 4 4 | 4,9 7,6 | 4,9 7,6 | 4,9 7,6 | 4,9 7,6 |
| 2.8 | 275 | 2,7 2 | 3,8 3,8 | 4,2 4,3 | 5,1 8,2 | 5,1 8,2 | 5,1 8,2 | 5,1 8,2 |
| 1.4 | 137 | 1,7 2,6 | 2,5 4,2 | 3,2 5,1 | 4,2 8,9 | 4,2 8,9 | 4,2 8,9 | 4,2 8,9 |
| 1.7 | 172 | 1,8 3,1 | 3 4,7 | 3,5 6 | 4,4 10,2 | 4,4 10,2 | 4,4 10,2 | 4,4 10,2 |
| 2.1 | 206 | 2,1 3,7 | 3,2 5,5 | 3,8 6,5 | 4,7 11 | 4,7 11 | 4,7 11 | 4,7 11 |
| 2.4 | 241 | 2,5 3,8 | 3,6 6 | 4 7,2 | 4,9 11,5 | 4,9 11,5 | 4,9 11,5 | 4,9 11,5 |
| 2.8 | 275 | 2,7 4,4 | 3,8 6,2 | 4,2 7,6 | 5,1 12,3 | 5,1 12,3 | 5,1 12,3 | 5,1 12,3 |
| 360° | 1.4 137 | 1,7 5,1 | 2,5 7,5 | 3,2 11,1 | 4,2 13,5 | 4,2 13,5 | 4,2 13,5 | 4,2 13,5 |
| | 1.7 172 | 1,8 5,9 | 3 8,1 | 3,5 12,5 | 4,4 15,9 | 4,4 15,9 | 4,4 15,9 | 4,4 15,9 |
| | 2.1 206 | 2,1 7,4 | 3,2 10,3 | 3,8 13,4 | 4,7 17 | 4,7 17 | 4,7 17 | 4,7 17 |
| | 2.4 241 | 2,5 7,8 | 3,6 11 | 4 15 | 4,9 17,9 | 4,9 17,9 | 4,9 17,9 | 4,9 17,9 |
| | 2.8 275 | 2,7 9 | 3,8 12,2 | 4,2 16,1 | 5,1 18,9 | 5,1 18,9 | 5,1 18,9 | 5,1 18,9 |

Serie V-fix - IMPERIAL

| Fixed Arc | 2.1 m (7 ft.) | | 3.0 m (10 ft.) | | 3.7 m (12 ft.) | | 4.6 m (15 ft.) | |
|-----------|--|-----------------------|---|-----------------------|---|-----------------------|---|-----------------------|
| | Fixed (Quarter, Half, Full) Trajectory: 0° Color Code: Brown ● | | Fixed (Quarter, Half, Full) Trajectory: 15° Color Code: Red ● | | Fixed (Quarter, Half, Full) Trajectory: 28° Color Code: Green ● | | Fixed (Quarter, Half, Full) Trajectory: 28° Color Code: Black ● | |
| Arc | Pressure Bar Kpa | Radius Flow ft GPM | Radius Flow ft GPM | Radius Flow ft GPM | Radius Flow ft GPM | Radius Flow ft GPM | Radius Flow ft GPM | Radius Flow ft GPM |
| 1.4 | 137 | 1,7 1,4 | 2,5 2,2 | 3,2 2,5 | 4,2 6 | 4,2 6 | 4,2 6 | 4,2 6 |
| 1.7 | 172 | 1,8 1,6 | 3 3,1 | 3,5 3,4 | 4,4 6,8 | 4,4 6,8 | 4,4 6,8 | 4,4 6,8 |
| 2.1 | 206 | 2,1 1,9 | 3,2 3,5 | 3,8 3,6 | 4,7 7,1 | 4,7 7,1 | 4,7 7,1 | 4,7 7,1 |
| 2.4 | 241 | 2,5 1,9 | 3,6 3,6 | 4 4 | 4,9 7,6 | 4,9 7,6 | 4,9 7,6 | 4,9 7,6 |
| 2.8 | 275 | 2,7 2 | 3,8 3,8 | 4,2 4,3 | 5,1 8,2 | 5,1 8,2 | 5,1 8,2 | 5,1 8,2 |
| 1.4 | 137 | 1,7 2,6 | 2,5 4,2 | 3,2 5,1 | 4,2 8,9 | 4,2 8,9 | 4,2 8,9 | 4,2 8,9 |
| 1.7 | 172 | 1,8 3,1 | 3 4,7 | 3,5 6 | 4,4 10,2 | 4,4 10,2 | 4,4 10,2 | 4,4 10,2 |
| 2.1 | 206 | 2,1 3,7 | 3,2 5,5 | 3,8 6,5 | 4,7 11 | 4,7 11 | 4,7 11 | 4,7 11 |
| 2.4 | 241 | 2,5 3,8 | 3,6 6 | 4 7,2 | 4,9 11,5 | 4,9 11,5 | 4,9 11,5 | 4,9 11,5 |
| 2.8 | 275 | 2,7 4,4 | 3,8 6,2 | 4,2 7,6 | 5,1 12,3 | 5,1 12,3 | 5,1 12,3 | 5,1 12,3 |
| 360° | 1.4 137 | 1,7 5,1 | 2,5 7,5 | 3,2 11,1 | 4,2 13,5 | 4,2 13,5 | 4,2 13,5 | 4,2 13,5 |
| | 1.7 172 | 1,8 5,9 | 3 8,1 | 3,5 12,5 | 4,4 15,9 | 4,4 15,9 | 4,4 15,9 | 4,4 15,9 |
| | 2.1 206 | 2,1 7,4 | 3,2 10,3 | 3,8 13,4 | 4,7 17 | 4,7 17 | 4,7 17 | 4,7 17 |
| | 2.4 241 | 2,5 7,8 | 3,6 11 | 4 15 | 4,9 17,9 | 4,9 17,9 | 4,9 17,9 | 4,9 17,9 |
| | 2.8 275 | 2,7 9 | 3,8 12,2 | 4,2 16,1 | 5,1 18,9 | 5,1 18,9 | 5,1 18,9 | 5,1 18,9 |



Gear-Drive Rotors

| | |
|--------------------------|--------|
| - VYR-611 Mini-Turf..... | Pg. 17 |
| - VYR-612 Pro-Turf..... | Pg. 17 |
| - VYR-620 Irri-Turf..... | Pg. 18 |

VYR-611 Mini-Turf



VYR-611 MINI-TURF · Pop-Up Gear Drive Rotors

GENERAL PROPERTIES:

- Sprinkler with gear drive technology using water-lubricated gears. Silent irrigation system.
- Controllable from the cover using the multi-function key.
- 1/2" female connection.
- Made of delrin plastic and stainless steel.
- Teflon, steel and rubber rotation joints.
- Stainless steel spring with continuous tension.
- Easily adjustable irrigation area because of the internal system of overlapping clips. Depending on the positioning of the "part circle clip system", this sprinkler has the ability to operate in 4 positions of 15°, 90°, 180°, 270° and 360°.
- Wide range of "water curtain" nozzles with excellent distribution.
- Built-in check valve (8.8 m water column).
- Removable grit filter for maintenance cleaning.

TECHNICAL SPECIFICATIONS:

- Reach: 5,5- 11 m / 18 - 36 ft.
- Flow: 160 - 1.000 L/H / 42 - 264 GPH
- Working pressure: 2 - 4 BAR / 29 - 58 PSI
- Area: Full or part circle.
- Nozzles: A multi-jet nozzle set made up of short and medium range with 6 different size from 0,75 to 4.
- Trajectory angles: 25° standard angle .
Maximum stream height: 2 m / 6,6 ft
- Rotation time: 360° between 1 and 3 minutes.
- Uniformity coefficient higher than 90% in areas of 7x7R, 10x10T, 12x12T m / 23x23R, 33x33T, 39x39R ft.

APPLICATIONS:

- Series VYR-603 gear drive sprinklers are designed for high performance and durability.
- They are used in residential, urban or commercial areas.

MEASUREMENTS:

- Height: 17 cm / 6,7 in
- Width: 5,5 cm / 2,2 in
- Pop-up: 11 cm / 4,3 in
- Weight: 150 g / 0,33 Lbs
- Units per box: 40

OPTIONS:

- Check valve in filter.
- 3/4" 24V micro-valve with built-in filter.
- Assembled as a "complete support kit" on a 1.3 m galvanized stake with microtube and connectors.

MODELS:

Ref. 061100: Gear Drive Rotor MINI-TURF 1/2"



- Standard
- Green (optional)
- Recycle Waters

TABLES & PARTS

Performance table: Long range

| NOZZLE | PRESSURE | | FLOW | | | | RADIUS | | 10x10 m. T 6x6 ft. T | | 12x12 m. T 6x6 ft. T | |
|--------|----------|-----|-------|------|-------|-----|--------|------|-------------------------|-------|-------------------------|-------|
| | BAR | PSI | L/min | GPM | L/H | GPH | m | ft | L/m2 | in/m2 | L/m2 | in/m2 |
| 0,75 | 2 | 30 | 1,6 | 0,42 | 96 | 25 | 9 | 29,5 | 2 | 0,08 | 1,4 | 0,06 |
| | 3 | 44 | 2,4 | 0,63 | 144 | 38 | 9 | 29,5 | 2 | 0,08 | 1,4 | 0,06 |
| | 4 | 58 | 3,3 | 0,87 | 198 | 52 | 9 | 29,5 | 2 | 0,08 | 1,4 | 0,06 |
| 1 | 2 | 30 | 2,7 | 0,71 | 162 | 43 | 9 | 29,5 | 2,3 | 0,09 | 1,6 | 0,06 |
| | 3 | 44 | 3,5 | 0,92 | 210 | 55 | 10 | 32,8 | 2,3 | 0,09 | 1,6 | 0,06 |
| | 4 | 58 | 4,7 | 1,24 | 282 | 74 | 10 | 32,8 | 2,3 | 0,09 | 1,6 | 0,06 |
| 1,5 | 2 | 30 | 5,1 | 1,35 | 306 | 81 | 10 | 32,8 | 3 | 0,12 | 2,7 | 0,11 |
| | 3 | 44 | 6,9 | 1,82 | 414 | 109 | 11 | 36,1 | 3 | 0,12 | 2,7 | 0,11 |
| | 4 | 58 | 7,4 | 1,95 | 444 | 117 | 10 | 32,8 | 3 | 0,12 | 2,7 | 0,11 |
| 2 | 2 | 30 | 7,3 | 1,93 | 438 | 116 | 10 | 32,8 | 5,3 | 0,21 | 3,6 | 0,14 |
| | 3 | 44 | 8,7 | 2,30 | 522 | 138 | 10 | 32,8 | 5,3 | 0,21 | 3,6 | 0,14 |
| | 4 | 58 | 10 | 2,64 | 600 | 158 | 10 | 32,8 | 5,3 | 0,21 | 3,6 | 0,14 |
| 3 | 2 | 30 | 9,5 | 2,51 | 570 | 150 | 10 | 32,8 | 7 | 0,28 | 4,9 | 0,19 |
| | 3 | 44 | 11,6 | 3,06 | 696 | 184 | 11 | 36,1 | 7 | 0,28 | 4,9 | 0,19 |
| | 4 | 58 | 13,8 | 3,64 | 828 | 219 | 12 | 39,4 | 7 | 0,28 | 4,9 | 0,19 |
| 4 | 2 | 30 | 12 | 3,17 | 720 | 190 | 10 | 32,8 | 9,3 | 0,37 | 6,5 | 0,26 |
| | 3 | 44 | 14,9 | 3,93 | 894 | 236 | 11 | 36,1 | 9,3 | 0,37 | 6,5 | 0,26 |
| | 4 | 58 | 17,6 | 4,65 | 1.056 | 279 | 11 | 36,1 | 9,3 | 0,37 | 6,5 | 0,26 |

* The precipitation rate data is calculated on 180 operation. For precipitation on 360 just divided by 2.

6 nozzle tree



Integrated check-valve
in filter (2 MCA).



Tool key for adjustments

Perfect distribution

VYR-612 Pro-Turf



3/4"



VYR-612 PRO-TURF · Pop-Up Gear Drive Rotors

GENERAL PROPERTIES:

- Sprinkler with gear drive technology using water-lubricated gears. Silent irrigation system.
- Controllable from the cover using the multi-function key.
- Vandal-proof screw for closing the cover.
- 3/4" female connection.
- Made of delrin plastic and stainless steel.
- Teflon, steel and rubber rotation joints.
- Stainless steel spring with continuous tension.
- Easily adjustable irrigation area because of the internal system of overlapping clips. Depending on the positioning of the "part circle clip system", this sprinkler has the ability to operate in continuous full circle (360°), or part circle (30° - 360°).
- Wide range of "water curtain" nozzles with excellent distribution range.
- Built-in check valve (8.8 m water column).
- Removable grit filter for maintenance cleaning.
- Automatic arc memory system in case of tampering.

TECHNICAL SPECIFICATIONS:

- Reach: 7 - 15 m / 23 - 50 ft.
- Flow: 250 - 2.200 l/h / 66 - 580 GPH
- Working pressure: 3 - 8 BAR / 43 - 116 PSI
- Area: Full or part circle.
- Nozzles: A multi-jet nozzle made up of short, medium and long reach jets, with 2 models: standard angle (8 nozzles) and low angle (4 nozzles).
- Trajectory angles: 25° standard angle and 12° low angle. Maximum stream height: 7 m / 23 ft
- Rotation time: 360° between 1 and 4 minutes.
- Uniformity coefficient higher than 90% in areas of 12x12R, 14x14T, 15x15T m / 40x40R, 46x46T, 50x50R ft.

APPLICATIONS:

- Series VYR-603 gear drive sprinklers are designed for high performance and durability.
- They are used in residential, urban or commercial areas.

MEASUREMENTS:

- Height: 19 cm / 7,5 in
- Width: 7 cm / 2,8 in
- Pop-up: 15 cm / 6 in
- Weight: 340 g / 0,75 Lbs
- Units per box: 20

OPTIONS:

- Low angle or standard models (set of nozzles for both).
- 3/4" 24V micro-valve with built-in filter.
- Assembled as a "complete support kit" on a 1.3 m galvanized stake with microtube and connectors.

MODELS:

Ref. 061200: Rain-Plus and angle 25°

Ref. 061201: Low angle 12°

Ref. 061202: Long range 25°






Ref. 161205: Pop-Up Ring Limitator (8 cm pop-up)







- Standard
- Low angle (optional)
- Recycle Waters

NOZZLE TABLES & PARTS FOR 3/4" GEAR DRIVE ROTORS









Performance table: Rain Plus

| NOZZLE | PRESSURE | | FLOW | | | | RADIUS | |
|---|----------|-----|------|-----|------|-----|--------|------|
| | BAR | PSI | LPM | GPM | m³/h | GPH | m | ft |
|  | 2 | 29 | 10 | 2,6 | 0,60 | 159 | 10,5 | 34,5 |
| | 3 | 44 | 11,2 | 3,0 | 0,69 | 178 | 11 | 36 |
| | 4 | 58 | 12,5 | 3,3 | 0,75 | 198 | 11 | 36 |
| | 5 | 72 | 14,5 | 3,8 | 0,90 | 230 | 11 | 36 |
|  | 2 | 29 | 5 | 1,3 | 0,30 | 79 | 13 | 43 |
| | 3 | 44 | 9 | 2,4 | 0,54 | 143 | 13,5 | 44,5 |
| | 4 | 58 | 13 | 3,4 | 0,78 | 206 | 14 | 46 |
| | 5 | 72 | 20 | 5,3 | 1,20 | 317 | 14,5 | 47,5 |
|  | 2 | 29 | 5 | 1,3 | 0,30 | 79 | 13,5 | 44,5 |
| | 3 | 44 | 6 | 1,6 | 0,36 | 95 | 14 | 46 |
| | 4 | 58 | 9 | 2,4 | 0,54 | 143 | 14,5 | 47,5 |
| | 5 | 72 | 14,5 | 3,8 | 0,87 | 230 | 15 | 49 |
|  | 2 | 29 | 5 | 1,3 | 0,30 | 79 | 13,5 | 44,5 |
| | 3 | 44 | 8,8 | 2,3 | 0,53 | 139 | 14 | 46 |
| | 4 | 58 | 11,5 | 3,0 | 0,69 | 182 | 14,5 | 47,5 |
| | 5 | 72 | 14,5 | 3,8 | 0,97 | 230 | 15 | 49 |
|  | 2 | 29 | 10,3 | 2,7 | 0,62 | 163 | 13,5 | 44,5 |
| | 3 | 44 | 14,6 | 3,9 | 0,88 | 231 | 14 | 46 |
| | 4 | 58 | 17,8 | 4,7 | 1,07 | 282 | 14,5 | 47,5 |
| | 5 | 72 | 19,6 | 5,2 | 1,18 | 311 | 15 | 49 |

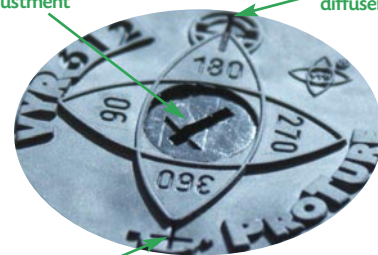
Performance table: Low Angle

| NOZZLE | PRESSURE | | FLOW | | | | RADIUS | |
|---|----------|-----|------|-----|------|-----|--------|------|
| | BAR | PSI | LPM | GPM | m³/h | GPH | m | ft |
|  | 2 | 29 | .. | .. | .. | .. | .. | .. |
| | 3 | 44 | 7,7 | 2,0 | 0,46 | 122 | 9 | 29,5 |
| | 4 | 58 | 8,9 | 2,4 | 0,53 | 141 | 9 | 29,5 |
| | 5 | 72 | 10 | 2,6 | 0,60 | 159 | 10 | 33 |
|  | 2 | 29 | .. | .. | .. | .. | .. | .. |
| | 3 | 44 | 14,4 | 3,8 | 0,86 | 228 | 10 | 33 |
| | 4 | 58 | 16,5 | 4,4 | 0,99 | 262 | 11 | 36 |
| | 5 | 72 | 18,5 | 4,9 | 1,11 | 293 | 11 | 36 |
|  | 2 | 29 | .. | .. | .. | .. | .. | .. |
| | 3 | 44 | 6 | 1,6 | 0,36 | 95 | 9 | 29,5 |
| | 4 | 58 | 7,2 | 1,9 | 0,43 | 114 | 9 | 29,5 |
| | 5 | 72 | 8,1 | 2,1 | 0,49 | 128 | 9 | 29,5 |
|  | 2 | 29 | .. | .. | .. | .. | .. | .. |
| | 3 | 44 | 11 | 2,9 | 0,66 | 174 | 11 | 36 |
| | 4 | 58 | 12,8 | 3,4 | 0,77 | 203 | 11 | 36 |
| | 5 | 72 | 14,4 | 3,8 | 0,86 | 228 | 11 | 36 |

Performance table: Long range

| NOZZLE | PRESSURE | | FLOW | | | | RADIUS | |
|---|----------|-----|------|------|------|-----|--------|----|
| | BAR | PSI | LPM | GPM | m³/h | GPH | m | ft |
|  | 2 | 29 | .. | .. | .. | .. | .. | .. |
| | 3 | 44 | 18,9 | 5,0 | 1,13 | 300 | 12 | 40 |
| | 4 | 58 | 20,9 | 5,5 | 1,25 | 331 | 12,5 | 41 |
| | 5 | 72 | 23,5 | 6,2 | 1,41 | 372 | 13 | 43 |
|  | 2 | 29 | .. | .. | .. | .. | .. | .. |
| | 3 | 44 | 24 | 6,3 | 1,44 | 380 | 13,5 | 46 |
| | 4 | 58 | 27,6 | 7,3 | 1,66 | 437 | 14 | 46 |
| | 5 | 72 | 31,6 | 8,3 | 1,90 | 501 | 14 | 46 |
|  | 2 | 29 | .. | .. | .. | .. | .. | .. |
| | 3 | 44 | 29,3 | 7,7 | 1,76 | 464 | 11 | 36 |
| | 4 | 58 | 34,2 | 9,0 | 2,05 | 542 | 13 | 43 |
| | 5 | 72 | 38,5 | 10,2 | 2,31 | 610 | 14 | 46 |
|  | 2 | 29 | .. | .. | .. | .. | .. | .. |
| | 3 | 44 | 27,6 | 7,3 | 1,66 | 437 | 12 | 40 |
| | 4 | 58 | 32,4 | 8,6 | 1,94 | 514 | 13 | 43 |
| | 5 | 72 | 36,5 | 9,6 | 2,20 | 579 | 13 | 43 |
|  | 2 | 29 | .. | .. | .. | .. | .. | .. |
| | 3 | 44 | 13,4 | 3,5 | 0,80 | 212 | 13 | 43 |
| | 4 | 58 | 15,3 | 4,0 | 0,92 | 243 | 13 | 43 |
| | 5 | 72 | 16,8 | 4,4 | 1,00 | 266 | 13,5 | 44 |
|  | 2 | 29 | .. | .. | .. | .. | .. | .. |
| | 3 | 44 | 14,5 | 3,8 | 0,9 | 230 | 13 | 43 |
| | 4 | 58 | 16,6 | 4,4 | 1,00 | 263 | 13 | 43 |
| | 5 | 72 | 18,7 | 4,9 | 1,12 | 296 | 13,5 | 44 |
|  | 2 | 29 | .. | .. | .. | .. | .. | .. |
| | 3 | 44 | 17,2 | 4,5 | 1,05 | 273 | 13 | 43 |
| | 4 | 58 | 19,4 | 5,1 | 1,15 | 307 | 13 | 43 |
| | 5 | 72 | 21,9 | 5,8 | 1,30 | 347 | 13 | 43 |
|  | 2 | 29 | .. | .. | .. | .. | .. | .. |
| | 3 | 44 | 17,8 | 4,7 | 1,07 | 282 | 13 | 43 |
| | 4 | 58 | 20,6 | 5,4 | 1,24 | 327 | 13 | 43 |
| | 5 | 72 | 23 | 6,1 | 1,38 | 365 | 13 | 43 |

Easy & Quick
angle adjustment

Adjustable
diffuser screw

Port for
pulling up


Tool key for adjustments


Integrated check-valve in
filter (2 MCA).


VYR-601 Irri-Turf



VYR-601 IRRI-TURF · Pop-Up Gear Drive Rotors

GENERAL PROPERTIES:

- Sprinkler with gear drive technology using water-lubricated gears. Silent irrigation system.
- 3/4" female connection.
- Made of delrin plastic and stainless steel.
- Teflon, steel and rubber rotation joints.
- Stainless steel spring with continuous tension.
- Easily adjustable irrigation area because of the internal system of overlapping clips. Depending on the positioning of the "part circle clip system", this sprinkler has the ability to operate in continuous full circle (360°), or part circle (30-360°).
- Wide range of "water curtain" nozzles with excellent distribution range.
- Built-in check valve (1.8 m water column).
- Removable grit filter for maintenance cleaning.
- Automatic arc memory system in case of tampering.

TECHNICAL SPECIFICATIONS:

- Reach: 7 - 15 m / 23 - 50 ft.
- Flow: 250 - 2.200 l/h / 66 - 580 GPH
- Working pressure: 3 - 8 BAR / 43 - 116 PSI.
- Area: Full or part circle.
- Nozzles: A multi-jet nozzle made up of short, medium and long reach jets, with 2 models: standard angle (8 nozzles) and low angle (4 nozzles).
- Trajectory angles: 25° standard angle and 12° low angle. Maximum stream height: 7 m / 23 ft
- Rotation time: 360 between 1 and 4 minutes.
- Uniformity coefficient higher than 90% in areas of 12x12R, 14x14T, 15x15T m / 40x40R, 46x46T, 50x50R ft.

APPLICATIONS:

- Series VYR-601 gear drive sprinklers are designed for high performance and durability.
- They are used in residential, urban or commercial areas.

MEASUREMENTS:

- Height: 19 cm / 7,5 in
- Width: 7 cm / 2,8 in
- Pop-up: 15 cm / 6 in
- Weight: 340 g / 0,75 Lbs
- Units per box: 20

OPTIONS:

- Low angle or standard models (set of nozzles for both).
- 3/4" 24V micro-valve with built-in filter.

MODELS:

Ref. 060100: Standard angle. Pop-up.

Ref. 060101: Low angle. Pop-up.

Ref. 060120: Standard angle. Static.

Ref. 060121: Low angle. Static.





Impact Pop-Up Sprinklers

- VYR-961 UrbanPg. 22
- VYR-962 ColibríPg. 24

VYR-961 Urban



Ref. 009613



Ref. 009615



VYR-961 URBAN · Impact Pop-Up sprinklers

GENERAL PROPERTIES:

- Super-resistant pop-up impact sprinkler.
- Pop-up shaft reinforced with brass rings.
- 3/4" lower female connection and 3/4" side female connection.
- Made of plastic, brass and stainless steel.
- Teflon, steel and rubber rotation joints.
- Stainless steel spring with continuous tension.
- Easily adjustable irrigation area thanks to its internal clip system.
- Wide range of brass nozzles with excellent distribution range.
- Removable grit filter for maintenance cleaning.
- Anti-sand rubber seal.

TECHNICAL SPECIFICATIONS:

- Reach: 9 - 15 m / 30 - 50 ft
- Flow: 250 - 1440 l/h / 66 - 380 GPH
- Working pressure: 1.5 - 4 BAR / 22-60 PSI
- Area: Full or part circle.
- Nozzles: 6 models from 2.5 mm to 4.5 mm / 3/32" to 11/64"
- Trajectory angle: 28°
- Maximum stream height: 1.6 m / 5.2 ft
- Rotation time: 360° between 1 and 4 minutes.
- Uniformity coefficient higher than 90% in areas of 12x12R, 13x13T, 14x14T m / 40x40R, 43x43T, 46x46T ft.

APPLICATIONS:

- VYR-961 impact sprinklers are designed and manufactured to offer the best durability and resistance to the tough conditions of urban public gardens and commercial areas, being highly resistant to vandalism and heavy mowing equipment.
- They are suitable for urban parks and residential and commercial areas, as well as for residential gardens and recreation areas.

MEASUREMENTS:

- Height: 28 cm / 11 in
- Width: 18 cm / 7.1 in
- Pop-up: 10 cm / 4 in
- Weight: 734 g / 1,62 Lbs
- Units per box: 10

OPTIONS:

- Swing pipes for network connection.
- Maintenance tools.
- Models with built-in electrically operated valve (24 VAC).

MODELS:

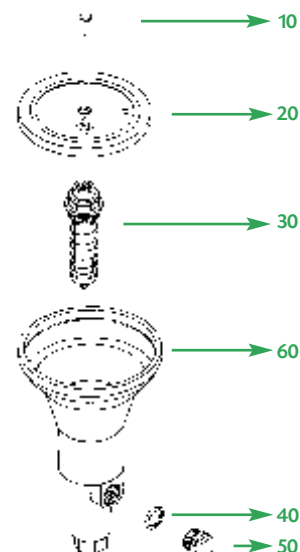
- Ref. 009612:** Brass full circle Pop-Up sprinkler.
VYR-50. Ref. 005002.
- Ref. 009613:** Brass part circle Pop-Up sprinkler.
VYR-50. Ref. 005005.
- Ref. 009614:** Brass full circle sprinkler.
VYR-80. Ref. 008002, anti-splash arm.
- Ref. 009615:** Brass part circle sprinkler.
VYR-80. Ref. 008005, anti-splash arm.
- Ref. 109610:** Bare housing without sprinkler.

TABLES & PARTS

Technical guidance table VYR-961

| NOZZLE | Spacing (m) / Precipit. rate (mm/h) Spacing (ft) / Precipit. rate (in/h) | | | | | | |
|------------------|---|--------------|------------------|---------------|--------------------|--------------------|--------------------|
| | BAR PSI | 9x9 30x30 | 9x9 T 30x30 T | 9x10 33x33 | 10x10 T 33x33 T | 10x12 T 33x39 T | 12x12 T 39x39 T |
| 3,6 mm 9/64" | 2,5 36 | 9,7 0,38 | 9,0 0,35 | 7,6 0,31 | 7,3 0,28 | 6,6 0,21 | 5,5 0,20 |
| | 3 44 | 10,6 0,41 | 9,8 0,38 | 8,3 0,33 | 8,0 0,31 | 7,2 0,23 | 6,0 0,21 |
| | 3,5 5 | 11,5 0,44 | 10,6 0,41 | 8,9 0,36 | 8,6 0,33 | 7,8 0,25 | 6,5 0,23 |
| 4 mm 5/32" | 2,5 36 | 12,0 0,46 | 11,1 0,43 | 9,3 0,38 | 9,0 0,35 | 8,1 0,26 | 6,8 0,24 |
| | 3 44 | 13,1 0,51 | 12,1 0,47 | 10,2 0,41 | 9,8 0,38 | 8,9 0,28 | 7,4 0,26 |
| | 3,5 5 | 14,2 0,55 | 13,1 0,51 | 11,0 0,44 | 10,6 0,41 | 9,6 0,30 | 8,0 0,29 |
| 4,4 mm 11/64" | 2,5 36 | 14,5 0,56 | 13,4 0,52 | 11,3 0,46 | 10,9 0,42 | 9,8 0,31 | 8,2 0,29 |
| | 3 44 | 15,9 0,62 | 14,7 0,57 | 12,4 0,50 | 11,9 0,46 | 10,7 0,34 | 8,9 0,32 |
| | 3,5 5 | 17,2 0,67 | 15,9 0,6 | 13,4 0,54 | 12,8 0,50 | 11,6 0,37 | 9,7 0,35 |

T: Triang. CU < 85% CU 85-88% CU 88-92% CU > 92%



Performance nozzle tables VYR-961

| NOZZLE | 2,4 mm 3/32" | | 2,8 mm 7/64" | | 3 mm 0,117" | | 3,2 mm 1/8" | | 3,5 mm 9/64" | | 4 mm 5/32" | | 4,4 mm 11/64" | |
|------------|-----------------|-------------|-----------------|-------------|----------------|-------------|----------------|-------------|-----------------|-------------|---------------|-------------|------------------|-------------|
| BAR PSI | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft |
| 1 15 | 240 63 | 18 59 | 310 82 | 19 62 | 360 95 | 19 62 | 400 106 | 20 66 | 480 127 | 20 66 | 620 164 | 21 69 | 760 201 | 22 72 |
| 1,5 22 | 300 79 | 19 62 | 370 98 | 19 62 | 440 116 | 20 66 | 480 127 | 21 69 | 570 150 | 21 69 | 750 198 | 22 72 | 910 240 | 23 75 |
| 2 29 | 340 90 | 20 66 | 420 111 | 20 66 | 500 132 | 21 69 | 550 145 | 21 69 | 660 174 | 22 72 | 850 224 | 23 75 | 1030 272 | 24 79 |
| 2,5 36 | 380 100 | 21 69 | 470 124 | 21 69 | 560 148 | 22 72 | 600 158 | 22 72 | 730 193 | 23 75 | 950 251 | 24 79 | 1150 304 | 25 82 |
| 3 44 | 410 108 | 22 72 | 520 137 | 22 72 | 610 161 | 23 75 | 660 174 | 23 75 | 800 211 | 23 75 | 1040 275 | 24 79 | 1270 335 | 25 82 |
| 3,5 5 | 450 119 | 23 75 | 560 148 | 23 75 | 650 172 | 23 75 | 710 187 | 23 75 | 860 227 | 24 79 | 1100 290 | 25 82 | 1350 356 | 26 85 |
| 4 58 | 480 127 | 24 79 | 600 158 | 24 79 | 690 182 | 24 79 | 760 201 | 24 79 | 910 240 | 25 82 | 1180 312 | 26 85 | 1440 380 | 27 89 |

Solamente para aspersores circulares.
Only for full circle series.

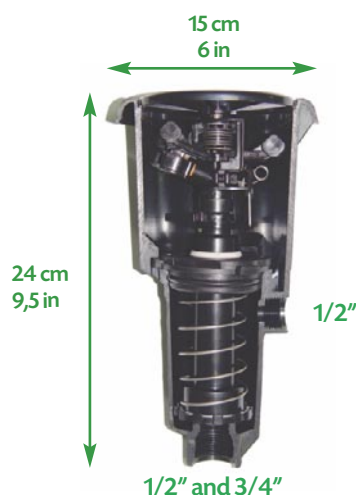
Standard Ø: Diameter range

- For optimum distribution avoid use in shady areas.
- Sprinklers will be supplied with standard nozzles unless otherwise specified.
- In order to calculate the flow, add the flows of the two nozzles. The range of the rear nozzle must be less than that of the main nozzle.
- These results has been obtained at indoor laboratory with 0 m/seg win velocity. Outdoor results may change range distances.

Ref. 496105



VYR-962 Colibrí



New anti-mower
breakage cap



Ref. 009620

VYR-962 "COLIBRI" · Impact Pop-Up Sprinklers

GENERAL PROPERTIES:

- COLIBRI pop-up impact sprinkler (equivalent to the Maxi-Paw by Rain-bird).
- 3/4" and 1/2" lower female connection (two in one) and 1/2" side female connection.
- Made of plastic and stainless steel.
- Teflon, steel and rubber rotation joints.
- Stainless steel spring with continuous tension.
- Easily adjustable irrigation area thanks to its internal clip system.
- Wide range of colour-coded plastic nozzles with the quarter-turn "click" system.
- Excellent distribution throughout its reach.
- Removable grit filter for maintenance cleaning.
- Anti-sand rubber seal.
- Spring with tension regulation system.

TECHNICAL SPECIFICATIONS:

- Reach: 5 - 13 m (16,5 - 43 ft)
- Flow: 450 - 1180 l/h (120 - 310 GPH)
- Working pressure: 1.5 - 4 BAR (22-60 PSI)
- Area: Full or part circle.
- Nozzles: Diffuser pin, and with 3 models from 3 mm to 4 mm.
- Trajectory angles: 28°
- Maximum stream height: 1.6 m (5,2 ft)
- Rotation time: 360° between 1 and 4 minutes (adjustable).
- Uniformity coefficient higher than 90% in areas of 10x10R, 11x11T, 11x13T meters (32x32 R, 36x36 T, 36x42 T feet).

APPLICATIONS:

- VYR-962 COLIBRI impact sprinklers are designed and manufactured to offer the best irrigation quality and durability in public gardens, commercial areas, residential gardens and recreational areas.
- Very versatile model; its design and dimensions are suitable for use with many other similar models on the market, offering security and functionality.

MEASUREMENTS:

- Height: 24 cm / 9,4 in
- Width: 15 cm / 5,9 in
- Pop-up: 10 cm / 3,9 in
- Weight: 400 g / 0,88 Lbs
- Units per box: 20

OPTIONS:

- Swing pipes for network connection.
- Maintenance tools.
- Models with built-in electrically operated valve (24 VAC).

MODELS:

Ref. 009620: VYR-962

Ref. 009621: VYR-962 with PURPLE CAP.

Ref. 496211: Tool for VYR-962

Ref. 496211: Rubber Gasket for VYR-962 Check-Valve.



Check-valve &
filter integrated

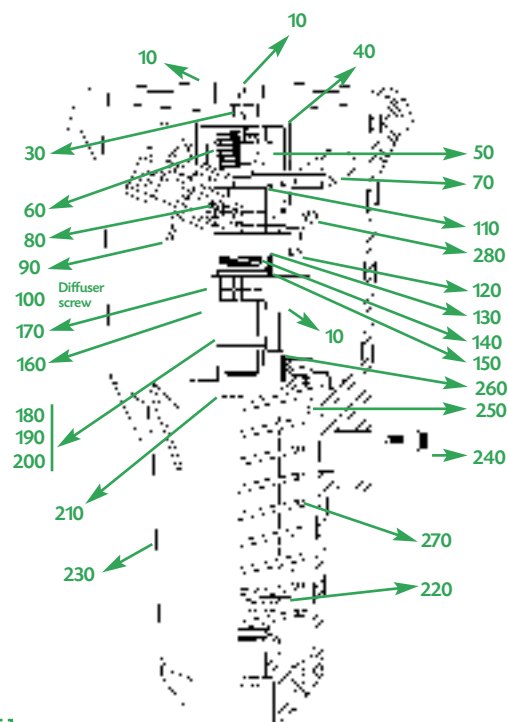


TABLES & PARTS

Technical guidance table VYR-9612

| NOZZLE | Spacing (m) / Precipit. rate (mm/h) Spacing (ft) / Precipit. rate (in/h) | | | | | | |
|-----------------|---|--------------|------------------|-------------------|--------------------|----------------|----------------|
| | BAR PSI | 9x9 30x30 | 9x9 T 30x30 T | 9x10 T 33x33 T | 10x10 T 33x33 T | 10x12 33x39 | 12x12 39x39 |
| 3 mm 0,12" | 2,5 36 | 6,7 0,26 | 6 0,24 | 4,6 0,18 | 4,3 0,17 | 4,1 0,16 | 3,5 0,14 |
| | 3 44 | 7,6 0,30 | 6,8 0,27 | 5,3 0,21 | 5 0,20 | 4,7 0,19 | 4 0,16 |
| | 3,5 51 | 8,5 0,33 | 7,6 0,30 | 5,9 0,23 | 5,6 0,22 | 5,3 0,21 | 4,5 0,18 |
| | 4 58 | 9,4 0,36 | 8,3 0,30 | 6,3 0,25 | 6 0,24 | 5,6 0,22 | 4,8 0,19 |
| 3,5 mm 9/64" | 2,5 36 | 9 0,35 | 8,1 0,32 | 6,3 0,25 | 6 0,24 | 5,6 0,22 | 4,8 0,19 |
| | 3 44 | 10,1 0,40 | 9,1 0,36 | 7,2 0,28 | 6,8 0,27 | 6,4 0,25 | 5,4 0,21 |
| | 3,5 51 | 11,2 0,44 | 10,1 0,40 | 8 0,31 | 7,6 0,30 | 7,1 0,28 | 6 0,24 |
| | 4 58 | 12,9 0,51 | 11,7 0,46 | 9,4 0,37 | 8,9 0,35 | 8,2 0,32 | 6,9 0,27 |
| 4 mm 5/32" | 2,5 36 | 11,5 0,45 | 10,4 0,41 | 8,3 0,33 | 7,9 0,31 | 7,3 0,29 | 6,2 0,24 |
| | 3 44 | 12,9 0,51 | 11,7 0,46 | 9,4 0,37 | 8,9 0,35 | 8,2 0,32 | 6,9 0,27 |
| | 3,5 51 | 14,2 0,56 | 12,9 0,51 | 10,4 0,41 | 9,8 0,39 | 9,1 0,36 | 7,7 0,30 |
| | 4 58 | 15,5 0,62 | 14,2 0,56 | 11,7 0,46 | 10,4 0,41 | 9,8 0,39 | 8,2 0,32 |

T: Triang. CU < 85% CU 85-88% CU 88-92% CU > 92%

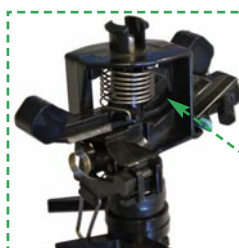


Performance nozzle tables VYR-962

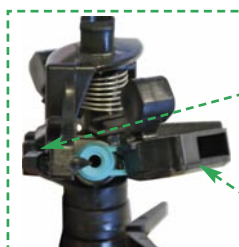
| NOZZLE | 3 mm 0,12" | | 3,5 mm 9/64" | | 4 mm 5/32" | |
|--------|---------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | BAR PSI | L/H GPH Ø m Ø ft | L/H GPH Ø m Ø ft | L/H GPH Ø m Ø ft | L/H GPH Ø m Ø ft | L/H GPH Ø m Ø ft |
| 1,5 | 450 | 20 | 580 | 21 | 730 | 22 |
| 22 | 119 | 66 | 153 | 69 | 193 | 72 |
| 2 | 510 | 21 | 660 | 22 | 850 | 23 |
| 29 | 135 | 69 | 174 | 72 | 225 | 75 |
| 2,5 | 550 | 22 | 740 | 23 | 950 | 24 |
| 36 | 145 | 72 | 195 | 75 | 251 | 79 |
| 3 | 630 | 23 | 810 | 23 | 1030 | 24 |
| 44 | 166 | 75 | 214 | 75 | 272 | 79 |
| 3,5 | 680 | 23 | 870 | 24 | 1110 | 25 |
| 51 | 180 | 75 | 230 | 79 | 293 | 82 |
| 4 | 720 | 24 | 930 | 25 | 1180 | 26 |
| 58 | 190 | 79 | 246 | 82 | 312 | 85 |

Estándar: Estándar Ø: Diámetro de cobertura

Solamente para aspersores circulares.
Only for full circle series.



Adjustment of 3 different
spring-tension / speed position



Adjustable
diffuser pin

Anti back-flash
spoon design

- For optimum distribution avoid use in shady areas.
- Sprinklers will be supplied with standard nozzles unless otherwise specified.
- In order to calculate the flow, add the flows of the two nozzles. The range of the rear nozzle must be less than that of the main nozzle.
- These results has been obtained at indoor laboratory with 0 m/seg win velocity. Outdoor results may change range distances.







Sport & Golf

- VYR-650 S Green-Keeper SPg. 28
- VYR-650 M Green-Keeper M.....Pg. 30
- VYR-650 L Green-Keeper LPg. 32
- VYR-970 CanchaPg. 34
- VYR-972 StadioPg. 36

VYR-650 XS/S

Green-Keeper XS/S



VYR-650 XS/S GREEN-KEEPER XS/S · Sport Pop-Up Rotors

GENERAL PROPERTIES:

- SPORT sprinkler with gear drive technology using water-lubricated gears. Silent irrigation system.
- Models with built-in electrically operated valve (12 VDC, 24 VAC, LATCH or hydraulic).
- Reinforced threads with brass rings inserted.
- 1" female connection (without valve) and 1" (with valve).
- Made of plastic, brass and stainless steel.
- Fluorilene, steel and rubber rotation joints.
- Stainless steel spring with continuous tension.
- Irrigation area easily adjustable from the cover.
- Wide range of "water curtain" nozzles with excellent distribution reach.
- Built-in check valve (8.8 m water column).
- Removable grit filter for maintenance cleaning.
- Automatic arc memory system in case of tampering.
- **VERY EASY TO SET THE ANGLE OF COVERAGE!**

TECHNICAL SPECIFICATIONS:

- Range: 15 - 25 m / 49-82 ft
- Flow: 2500 - 10,000 l/h / 660-2640 GPH
- Working pressure: 3 - 8 BAR / 44 - 116 PSI
- Area: Full or part circle.
- Nozzles: A multi-jet nozzle made up of short, medium and long reach jets, with 6 models from 5.2 mm to 14 mm (6 mm standard).
- Trajectory angles: 30°
- Maximum stream height: 5 m / 16,4 ft
- Rotation time: 360° between 1 and 4 minutes (adjustable)
- Uniformity coefficient higher than 90% in 23x23R, 25x25T, 25x28T m / 75x75 R, 82x82T, 82x92T ft.

APPLICATIONS:

- The "GOLF" SPORT series gear drive sprinklers are designed for high performance and durability. **HIGH ENERGY SAVING!**
- They are used mainly for sports facilities such as football and rugby fields, golf courses, etc. They are also suitable for large urban parks and large residential and commercial areas.

MEASUREMENTS:

- Height: 27 cm / 10,6 in (without valve) and 34 cm / 13,4 in (with valve).
- Width: 12 cm / 4,7 in (without valve) and 17 cm / 6,7 in (with valve).
- Pop-up: 8 cm / 3,1 in
- Weight: 1.2 kg / 2,6 Lbs (without valve) and 1.9 kg / 4,2 Lbs (with valve).
- Units per box: 4

OPTIONS:

- Swing pipes for network connection.
- Maintenance tools.

MODELS:

- Ref. 065057: GK-XS 1" H, PART CIRC.
Ref. 065056: GK-XS 1" H, FULL CIRC.

- Ref. 065007: GK-S 1" H, PART CIRC.
Ref. 065006: GK-S 1" H, FULL CIRC.
Ref. 065017 AC: GK-S 1" H, PART CIRC. W/V.
Ref. 065016 AC: GK-S 1" H, FULL CIRC. W/V.

TABLES & PARTS

VYR-650 XS/S

GREEN-KEEPER XS/S



Tail nozzle XS



Front nozzle XS

Internal turning
velocity set-up

Nozzle set for XS

GK-XS table with TRIPLE nozzle

| BAR PSI | 3 44 | | 4 58 | | 5 72 | | 6 87 | |
|------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| NOZZLE | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft |
| 4 mm ø | 1 | 13 | 1,1 | 13,5 | 1,3 | 14 | 1,4 | 15 |
| 5,32" ø | 264 | 43 | 290 | 44 | 343 | 46 | 370 | 49 |
| 5 mm ø | 1,5 | 15 | 1,8 | 16 | 2 | 16,5 | 2,2 | 17 |
| 13/64" ø | 396 | 49 | 475 | 53 | 528 | 54 | 580 | 56 |
| 6 mm ø | 2,2 | 17 | 2,6 | 17,5 | 2,9 | 18 | 3,1 | 19 |
| 31/128" ø | 580 | 56 | 686 | 57 | 765 | 59 | 818 | 62 |



Filter + Retainer

GK-S table with TRIPLE nozzle

| BAR PSI | 3 44 | | 4 58 | | 5 72 | | 6 87 | | 7 101 | | 8 116 | |
|------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| NOZZLE | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft |
| 4 mm ø | - | - | 2,5 | 14,5 | 2,8 | 15,5 | 3 | 16,5 | 3,3 | 17 | - | - |
| 5,32" ø | - | - | 660 | 48 | 740 | 51 | 792 | 54 | 871 | 56 | - | - |
| 5 mm ø | - | - | 3,2 | 16 | 3,6 | 17 | 3,9 | 18 | 4,3 | 18,5 | - | - |
| 13/64" ø | - | - | 840 | 53 | 950 | 56 | 1030 | 60 | 1135 | 61 | - | - |
| 6 mm ø | - | - | 4,1 | 16,5 | 4,6 | 18 | 5 | 19,5 | 5,4 | 20,5 | - | - |
| 31/128" ø | - | - | 1080 | 54 | 1215 | 60 | 1320 | 64 | 1425 | 67 | - | - |
| 7 mm ø | - | - | 5,1 | 18 | 5,7 | 19,5 | 6,2 | 21 | 6,7 | 22 | - | - |
| 9/32" ø | - | - | 1350 | 60 | 1505 | 64 | 1636 | 69 | 1768 | 72 | - | - |
| 8 mm ø | - | - | 6,2 | 20 | 6,9 | 21,5 | 7,6 | 23 | 8,2 | 24 | - | - |
| 41/128" ø | - | - | 1640 | 66 | 1822 | 71 | 2006 | 76 | 2164 | 78 | - | - |
| 9 mm ø | - | - | 7,5 | 21 | 8,3 | 22,5 | 9,1 | 24 | 9,9 | 25 | - | - |
| 23/64" ø | - | - | 1980 | 69 | 2191 | 74 | 2402 | 79 | 2613 | 82 | - | - |

GK-S table with TRIPLE nozzle + TAIL nozzle

| BAR PSI | 3 44 | | 4 58 | | 5 72 | | 6 87 | | 7 101 | | 8 116 | |
|------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| NOZZLE | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft |
| 4 mm ø | - | - | 3,6 | 14,5 | 4 | 15,5 | 4,3 | 16,5 | 4,7 | 17 | - | - |
| 5,32" ø | - | - | 950 | 48 | 1056 | 51 | 1135 | 54 | 1240 | 56 | - | - |
| 5 mm ø | - | - | 4,3 | 16 | 4,8 | 17 | 5,2 | 18 | 5,7 | 18,5 | - | - |
| 13/64" ø | - | - | 1135 | 52 | 1267 | 56 | 1372 | 59 | 1504 | 61 | - | - |
| 6 mm ø | - | - | 5,2 | 16,5 | 5,8 | 18 | 6,3 | 19,5 | 6,8 | 20,5 | - | - |
| 31/128" ø | - | - | 1372 | 54 | 1531 | 59 | 1663 | 64 | 1795 | 67 | - | - |
| 7 mm ø | - | - | 6,1 | 18 | 6,9 | 19,5 | 7,5 | 21 | 8,1 | 22 | - | - |
| 9/32" ø | - | - | 1610 | 59 | 1821 | 64 | 1980 | 69 | 2138 | 72 | - | - |
| 8 mm ø | - | - | 7,3 | 20 | 8,1 | 21,5 | 8,9 | 23 | 9,6 | 24 | - | - |
| 41/128" ø | - | - | 1927 | 66 | 2138 | 71 | 2349 | 76 | 2534 | 79 | - | - |
| 9 mm ø | - | - | 8,5 | 21 | 9,5 | 22,5 | 10,4 | 24 | 11,3 | 25 | - | - |
| 23/64" ø | - | - | 2244 | 69 | 2508 | 74 | 2745 | 79 | 2983 | 82 | - | - |

GK-XS Performance with TRIPLE nozzle

| NOZZLE | Spacing (ft) / Precipitation (in/H) | | | |
|-----------------|-------------------------------------|--------------------|--------------------|--------------------|
| | BAR PSI | 20x20 T 66x66 T | 23x23 T 76x76 T | 25x25 T 82x82 T |
| 4 mm 5,32" | 5 73 | 5,9 0,23 | 4,4 0,17 | 4,3 0,17 |
| | 6 87 | 6,3 0,25 | 4,8 0,19 | 4,7 0,19 |
| | 7 102 | 6,8 0,27 | 5,1 0,20 | 5 0,20 |
| 5 mm 13/64" | 5 73 | 6,8 0,27 | 5,1 0,20 | 5 0,20 |
| | 6 87 | 7,3 0,29 | 5,5 0,22 | 5,4 0,21 |
| | 7 102 | 7,8 0,31 | 5,9 0,23 | 5,8 0,23 |
| 6 mm 31/128" | 5 73 | 9 0,35 | 6,7 0,26 | 6,6 0,26 |
| | 6 87 | 9,7 0,38 | 7,3 0,29 | 7,1 0,28 |
| | 7 102 | 10,3 0,41 | 7,8 0,31 | 7,6 0,30 |
| 7 mm 9/32" | 5 73 | 11,5 0,45 | 8,4 0,33 | 8,4 0,33 |
| | 6 87 | 12,1 0,48 | 8,9 0,35 | 8,6 0,34 |
| | 7 102 | 12,7 0,50 | 9,6 0,38 | 9,1 0,36 |
| 8 mm 41/128" | 5 73 | 13,6 0,54 | 10,4 0,41 | 9,9 0,39 |
| | 6 87 | 14,1 0,56 | 10,8 0,43 | 10,3 0,41 |
| | 7 102 | 14,6 0,57 | 12 0,47 | 10,9 0,43 |
| 9 mm 23/64" | 5 73 | 15,5 0,61 | 12,6 0,50 | 11,2 0,44 |
| | 6 87 | 16 0,63 | 13,1 0,52 | 11,6 0,46 |
| | 7 102 | 16,5 0,65 | 13,5 0,53 | 12,1 0,48 |

T: Triang. CU < 85% CU 85-88% CU 88-92% CU > 92%

VYR-650 M Green-Keeper M



VYR-650 M GREEN-KEEPER M · Sport Pop-Up Rotors

GENERAL PROPERTIES:

- SPORT sprinkler with gear drive technology using water-lubricated gears. Silent irrigation system.
- Designed with direct central flow passage and nozzle flow that minimizes pressure drop frictions, maximizing the reach and minimizing energy expenditure.
- Unique model built with solenoid valve (12Vdc, 24Vac, LATCH or hydraulic).
- Threads reinforced with brass rings inserted.
- Socket for 1 1/2" (with poppet valve).
- Made of plastic, brass and stainless steel.
- Teflon rotary seals, steel and rubber.
- Stainless steel spring DC.
- Irrigation Sector easily adjustable from the top to right and left.
- Wide range of nozzles "water curtain" with an excellent distribution throughout the frame range.
- Built-in check valve (8.8 m water column).
- Anti-gravel filter removable for maintenance cleaning. Intelligent System for angle memory recovery.
- Control knots for ON-AUTO-OFF, and for Speed and Pressure adjustment.
- Removable cover-cap for easy access to the inside of the housing (including valve). Saves you time from digging!

TECHNICAL SPECIFICATIONS:

- Range: 18.5 to 28 m (59 - 92 ft).
- Flow: 4200 to 12.800 l/h (1100 - 3380 GPH)
- Working pressure: 3.5 to 8 BAR (50 - 116 PSI)
- Sector: Circular or sectoral.
- Nozzles: A multi-jet nozzle jets composed of short, medium and long range, with 6 models from 7 mm to 12 mm. A tail tip of 4.2 mm (only in circular pattern).

- Trajectory angles: 25°
- Maximum height of jet: 3.5 m
- Rotation time: 360° between 1 and 4 minutes (adjustable)
- Uniformity coefficient higher than 90% in 28x28R frames, 32x32T, 35x35T. (Tested in C.I.T.)

APPLICATIONS:

- The rotors "Green-Keeper" Series are designed to obtain the highest yield figure and durability. **HIGH EFFICIENCY AND ENERGY SAVING!**
- They are used mainly in sports like golf, football, rugby, etc. They are also suitable for large urban parks and residential areas, and large commercial gardens.

MEASUREMENTS:

- Height: 35 cm (13,8 in)
- Width: 17 cm (6,7 in)
- Emergency: 8 cm (3,1 in)
- Weight: 2.8 kg (6,2 Lbs)
- Units per box: 6

OPTIONS:

- Swing pipes for network connection.
- Maintenance tools.

MODELS:

- Ref. 065030 AC: GK-650-M 1 1/2" F, FULL WITH Valv.
- Ref. 065035 AC: GK-650-M 1 1/2" F, PART WITHOUT Valv.
- Ref. 065031 AC: GK-650-M 1 1/2" F, FULL WITH Valv.
- Ref. 065036 AC: GK-650-M 1 1/2" F, PART WITHOUT Valv.
- Ref. 065040 AC: GK-650-M 1 1/2" F, FULL WITHOUT Valv. + RUBBER
- Ref. 065045 AC: GK-650-M 1 1/2" F, PART WITHOUT Valv. + RUBBER

TABLES & PARTS

VYR-650 M GREEN-KEEPER M

- **Green-Keeper M** is a gear drive rotor designed for golf courses, sports arenas, public parks and large shopping areas. This model is made of high strength plastic and finishes with rubber bucked for artificial or natural turf (optional).
- The turning radius and long reach make it ideal for golf courses (standard spacing of 28x28m) and for sports stadiums irrigation. Ideal for golf courses fairways!!!



GK-M table with TRIPLE nozzle

Standard

| BAR PSI | 3 44 | | 4 58 | | 5 72 | | 6 87 | | 7 101 | | 8 116 | |
|----------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| NOZZLE | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft |
| 7 mm ø | - | - | 4,3 | 20 | 4,8 | 22 | 5,2 | 24 | 5,6 | 25 | - | - |
| 9/32" ø | - | - | 1135 | 66 | 1267 | 72 | 1372 | 79 | 1478 | 82 | - | - |
| 8 mm ø | - | - | 5,4 | 21 | 6 | 23 | 6,5 | 25 | 7 | 26 | - | - |
| 5/16" ø | - | - | 1425 | 69 | 1584 | 76 | 1716 | 82 | 1848 | 85 | - | - |
| 9 mm ø | - | - | 6,3 | 22 | 7,1 | 24 | 7,8 | 26 | 8,5 | 27 | - | - |
| 23/64" ø | - | - | 1663 | 72 | 1874 | 79 | 2059 | 85 | 2244 | 89 | - | - |
| 10 mm ø | - | - | 7,5 | 23 | 8,4 | 25 | 9,2 | 27 | 10 | 28 | - | - |
| 25/64" ø | - | - | 1980 | 76 | 2217 | 82 | 2428 | 89 | 2640 | 92 | - | - |
| 11 mm ø | - | - | 8,6 | 24 | 9,7 | 26 | 10,6 | 28 | 11,4 | 29 | - | - |
| 7/16" ø | - | - | 2270 | 79 | 2560 | 85 | 2798 | 92 | 3009 | 95 | - | - |
| 12 mm ø | - | - | - | - | - | - | - | - | - | - | - | - |
| 15/32" ø | - | - | - | - | - | - | - | - | - | - | - | - |



GK-M table with TRIPLE nozzle + TAIL nozzle

Standard

| BAR PSI | 3 44 | | 4 58 | | 5 72 | | 6 87 | | 7 101 | | 8 116 | |
|----------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| NOZZLE | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft |
| 7 mm ø | - | - | 5,4 | 20 | 6,1 | 22 | 6,7 | 24 | 7,2 | 25 | - | - |
| 9/32" ø | - | - | 1425 | 66 | 1610 | 72 | 1768 | 79 | 1900 | 82 | - | - |
| 8 mm ø | - | - | 6,5 | 21 | 7,3 | 23 | 7,9 | 25 | 8,5 | 26 | - | - |
| 5/16" ø | - | - | 1716 | 69 | 1927 | 76 | 2085 | 82 | 2244 | 85 | - | - |
| 9 mm ø | - | - | 7,4 | 22 | 8,4 | 24 | 9,2 | 26 | 9,9 | 27 | - | - |
| 23/64" ø | - | - | 1953 | 72 | 2217 | 79 | 2428 | 85 | 2613 | 89 | - | - |
| 10 mm ø | - | - | 8,6 | 23 | 9,6 | 25 | 10,6 | 27 | 11,5 | 28 | - | - |
| 25/64" ø | - | - | 2270 | 76 | 2534 | 82 | 2798 | 89 | 3036 | 92 | - | - |
| 11 mm ø | - | - | 9,7 | 24 | 10,9 | 26 | 11,9 | 28 | 12,8 | 29 | - | - |
| 7/16" ø | - | - | 2560 | 79 | 2877 | 85 | 3141 | 92 | 3379 | 95 | - | - |
| 12 mm ø | - | - | - | - | - | - | - | - | - | - | - | - |
| 15/32" ø | - | - | - | - | - | - | - | - | - | - | - | - |

Performance table with TRIPLE nozzle

| NOZZLE | Spacing (ft) / Precipitation (in/H) | | | |
|---------------|-------------------------------------|----------------|--------------------|--------------------|
| | BAR PSI | 25x25 82x82 | 25x25 T 82x82 T | 28x25 T 92x82 T |
| 7 mm x plug | 5 | 7,7 | 8,9 | 8 |
| | 72 | 0,30 | 0,35 | 0,31 |
| | 87 | 0,33 | 0,38 | 0,34 |
| 9/32" x plug | 7 | 9 | 10,4 | 9,3 |
| | 101 | 0,35 | 0,41 | 0,37 |
| 8 mm x plug | 5 | 9,6 | 11,2 | 10 |
| | 72 | 0,38 | 0,44 | 0,39 |
| | 87 | 0,41 | 0,48 | 0,43 |
| 5/16" x plug | 7 | 11,2 | 13 | 11,6 |
| | 101 | 0,44 | 0,51 | 0,46 |
| 9 mm x plug | 5 | 11,4 | 13,2 | 11,8 |
| | 72 | 0,45 | 0,52 | 0,46 |
| | 87 | 0,49 | 0,57 | 0,51 |
| 23/64" x plug | 7 | 13,6 | 15,8 | 14,1 |
| | 101 | 0,54 | 0,62 | 0,56 |
| 10 mm x plug | 5 | 13,4 | 15,6 | 14 |
| | 72 | 0,53 | 0,61 | 0,55 |
| | 87 | 0,58 | 0,67 | 0,60 |
| 25/64" x plug | 7 | 16 | 18,6 | 16,6 |
| | 101 | 0,63 | 0,73 | 0,65 |

Performance table with TRIPLE + TAIL nozzle

| NOZZLE | Spacing (ft) / Precipitation (in/H) | | | |
|----------------|-------------------------------------|----------------|--------------------|--------------------|
| | BAR PSI | 25x25 82x82 | 25x25 T 82x82 T | 28x25 T 92x82 T |
| 7 x 2,4 mm | 5 | 9,8 | 11,4 | 10,1 |
| | 72 | 0,39 | 0,45 | 0,40 |
| | 87 | 0,42 | 0,49 | 0,44 |
| 9/32" x 3/32" | 7 | 11,5 | 13,4 | 12 |
| | 101 | 0,45 | 0,53 | 0,47 |
| 8 x 2,4 mm | 5 | 11,7 | 13,6 | 12,1 |
| | 72 | 0,46 | 0,54 | 0,48 |
| | 87 | 0,50 | 0,58 | 0,52 |
| 5/16" x 3/32" | 7 | 13,6 | 15,8 | 14,1 |
| | 101 | 0,54 | 0,62 | 0,56 |
| 9 x 2,4 mm | 5 | 13,4 | 15,6 | 14 |
| | 72 | 0,53 | 0,61 | 0,55 |
| | 87 | 0,58 | 0,67 | 0,60 |
| 23/64" x 3/32" | 7 | 15,8 | 18,4 | 16,4 |
| | 101 | 0,62 | 0,72 | 0,65 |
| 10 x 2,4 mm | 5 | 15,4 | 17,9 | 15,9 |
| | 72 | 0,61 | 0,70 | 0,63 |
| | 87 | 0,67 | 0,78 | 0,69 |
| 25/64" x 3/32" | 7 | 18,4 | 21,4 | 19,1 |
| | 101 | 0,72 | 0,84 | 0,75 |
| 11 x 2,4 mm | 5 | 17,4 | 20,3 | 18,1 |
| | 72 | 0,69 | 0,80 | 0,71 |
| | 87 | 0,75 | 0,87 | 0,78 |
| 7/16" x 3/32" | 7 | 20,5 | 23,8 | 21,3 |
| | 101 | 0,81 | 0,94 | 0,84 |

T: Triang. CU < 85% CU 85-88% CU 88-92% CU > 92%

VYR-970

Cancha



VYR-970 "CANCHA" · Pop-UP Sport Sprinklers

GENERAL PROPERTIES:

- "SPORT series" pop-up impact sprinkler.
- 1" female connection.
- Made of plastic and stainless steel.
- Teflon, steel and rubber rotation joints.
- Stainless steel spring with continuous tension.
- Easily adjustable irrigation area thanks to its internal clip system.
- Wide range of plastic nozzles.
- Excellent distribution throughout its reach.
- Removable grit filter for maintenance cleaning.
- Anti-sand rubber seal.
- Spring with tension regulation system.

TECHNICAL SPECIFICATIONS:

- Reach: 14 - 21 m (46 - 69 ft).
- Flow: 2,600 - 7,500 L/H (686 - 1,980 GPH)
- Working pressure: 3 - 6 BAR (44 - 87 PSI)
- Area: Full or part circle.
- Nozzles: Two or three nozzles (depending on the model) made up of short, medium and long reach jets with diffuser pin.
- Trajectory angles: 28°
- Maximum stream height: 3.2 m (10,5 ft).
- Rotation time: 360° between 1 and 4 minutes (adjustable)
- Uniformity coefficient higher than 90% in areas of 20x20R, 22x22T, 22x23T (66x66R, 72x72T, 72x76T ft.).

APPLICATIONS:

- VYR-970 SPORT impact sprinklers are designed and manufactured to offer the best irrigation quality and durability in public gardens and recreation areas.
- Suitable for tennis courts (clay and grass).

MEASUREMENTS:

- Height: 26 cm (10,2 in)
- Width: 19 cm (7,5 in)
- Pop-up: 8 cm (3,1 in)
- Weight: 2.1 kg (4,62 Lbs)
- Units per box: 2

OPTIONS:

- Swing pipes for network connection.
- Maintenance tools.
- Different kinds of cover to match all types of terrain.
- AC models with built-in electrically operated valve (24 VAC, 12 VDC, LATCH) and with 2 or 3 nozzles.

MODELS:

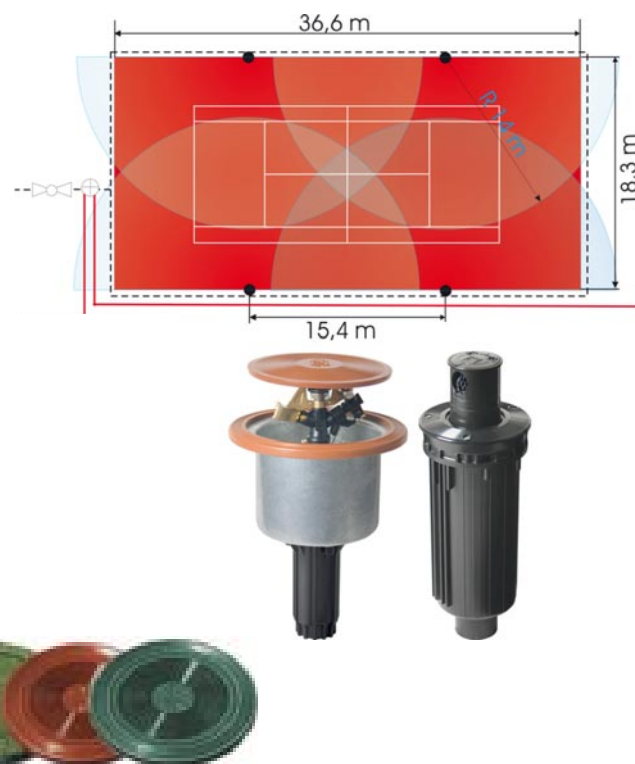
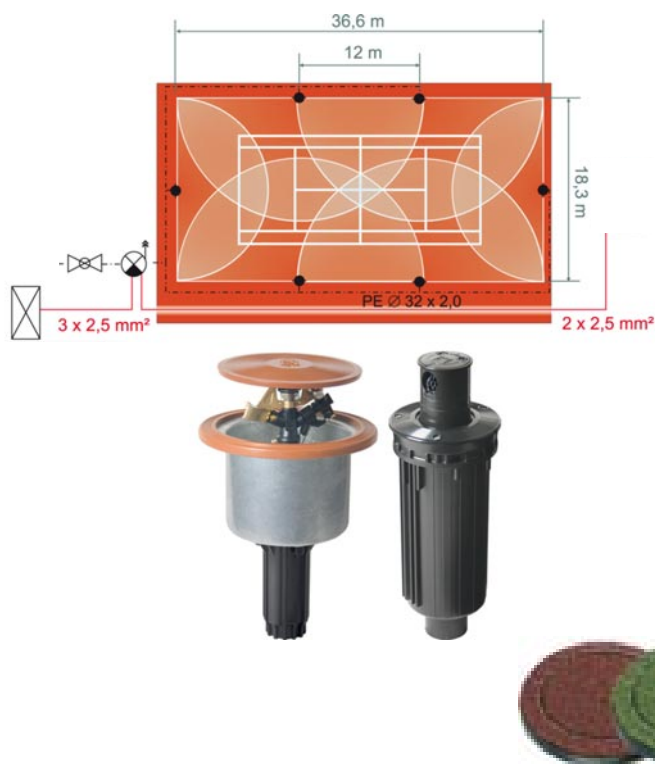
Ref. 097000: 1" full circle POP-UP sprinkler. 3 Nozzles.

Ref. 097005: 1" part circle POP-UP sprinkler. 2 Nozzles.

TABLES & PARTS

VYR-970 CANCHA

- Pop-up impact sprinkler for gardens, residential areas, parks, and recreational areas. Made with protective plastic and rubber-covered cap or artificial turf.
- The precise turning radius makes this sprinkler suitable for tennis courts, golf courses or baseball fields.
- The sprinkler has different models depending on the number of nozzles (2 or 3), its rotation (full or part circle), and whether or not it has an electrically operated control valve incorporated in the housing.



Performance table Cancha with 3 nozzles

| BAR PSI | 3 44 | | 4 58 | | 5 72 | | 6 87 | |
|-------------------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| NOZZLE | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft |
| 4,2 x 4 x 3 mm ø | 2,63 | 14,5 | 3,03 | 15 | 3,39 | 15,5 | 3,72 | 16 |
| 11/64" x 5/32" x 1/8" ø | 694 | 48 | 800 | 49 | 895 | 51 | 982 | 52 |
| 4,8 x 4 x 3 mm ø | 2,96 | 15,1 | 3,42 | 15,8 | 3,82 | 16,5 | 4,19 | 17 |
| 3/16" x 5/32" x 1/8" ø | 781 | 50 | 903 | 52 | 1008 | 54 | 1106 | 56 |
| 5,2 x 4 x 3 mm ø | 3,21 | 15,7 | 3,7 | 16,5 | 4,14 | 17,3 | 4,53 | 18,1 |
| 13/64" x 5/32" x 1/8" ø | 847 | 52 | 977 | 54 | 1093 | 57 | 1196 | 59 |
| 6 x 4 x 3 mm ø | 3,61 | 16,2 | 4,17 | 17,1 | 4,66 | 18 | 5,11 | 18,9 |
| 15/64" x 5/32" x 1/8" ø | 953 | 53 | 1101 | 56 | 1230 | 59 | 1349 | 62 |
| 7 x 4,5 x 3 mm ø | 4,57 | 16,7 | 5,28 | 17,7 | 5,9 | 19 | 6,46 | 19,7 |
| 9/32" x 11/64" x 1/8" ø | 1206 | 55 | 1394 | 58 | 1558 | 61 | 1705 | 65 |
| 8 x 4,5 x 3 mm ø | 5,27 | 17,3 | 6,08 | 18,4 | 6,8 | 19,5 | 7,45 | 20,6 |
| 5/16" x 11/64" x 1/8" ø | 1391 | 57 | 1605 | 60 | 1795 | 64 | 1967 | 68 |

 Standard

Performance table Cancha with 2 nozzles

| BAR PSI | 3 44 | | 4 58 | | 5 72 | | 6 87 | |
|------------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| NOZZLE | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft |
| 4,2 x 4 mm ø | 2,07 | 14,5 | 2,39 | 15 | 2,68 | 15,5 | 2,93 | 16 |
| 11/64" x 5/32" ø | 546 | 48 | 631 | 49 | 708 | 51 | 774 | 52 |
| 4,8 x 4 mm ø | 2,41 | 15,1 | 2,78 | 15,8 | 3,11 | 16,5 | 3,4 | 17 |
| 3/16" x 5/32" ø | 636 | 50 | 734 | 52 | 821 | 54 | 898 | 56 |
| 5,2 x 4 mm ø | 2,65 | 15,7 | 3,06 | 16,5 | 3,42 | 17,3 | 3,75 | 18,1 |
| 13/64" x 5/32" ø | 700 | 52 | 808 | 54 | 903 | 57 | 990 | 59 |
| 6 x 4 mm ø | 3,06 | 16,2 | 3,53 | 17,1 | 3,95 | 18 | 4,33 | 18,9 |
| 15/64" x 5/32" ø | 808 | 53 | 932 | 56 | 1043 | 59 | 1143 | 62 |
| 7 x 4,5 mm ø | 4,01 | 16,7 | 4,63 | 17,7 | 5,18 | 19 | 5,68 | 19,7 |
| 9/32" x 11/64" ø | 1059 | 55 | 1222 | 58 | 1368 | 61 | 1500 | 65 |
| 8 x 4,5 mm ø | 4,71 | 17,3 | 5,44 | 18,4 | 6,09 | 19,5 | 6,67 | 20,6 |
| 5/16" x 11/64" ø | 1243 | 57 | 1436 | 60 | 1608 | 64 | 1761 | 68 |

VYR-972 Stadium



VYR-972 Stadium · Pop-Up Impact Sport Sprinkler

GENERAL PROPERTIES:

- Sport Series pop-up impact sprinklers.
- 1 1/2" female connection.
- Made of plastic and stainless steel.
- Teflon, steel and rubber rotation joints.
- Stainless steel spring with continuous tension.
- Easily adjustable irrigation area thanks to its internal clip system.
- Wide range of plastic nozzles.
- Excellent distribution throughout its reach.
- Removable grit filter for maintenance cleaning.
- Anti-sand rubber seal.
- Spring with tension regulation system.

TECHNICAL SPECIFICATIONS:

- Reach: 19 - 33 m (62 - 108 ft)
- Flow: 5.000 - 29.500 l/h (1.320 - 7.810 GPH)
- Working pressure: 3 - 6 BAR
- Area: Full or part circle.
- Nozzles: Two or three nozzles (depending on the model) made up of short, medium and long reach jets with diffuser pin.
- Trajectory angles: 22°
- Maximum stream height: 3.2 m
- Rotation time: 360° between 1 and 4 minutes (adjustable)
- Uniformity coefficient higher than 90% in areas of 24x24R, 25x25T, 25x27T.

APPLICATIONS:

- Sport Series impact sprinklers are designed and manufactured to offer the best irrigation quality and durability in sport fields.

DIMENSIONS:

- Height: 45 cm (17,7 in) and 55 cm (77 in) w/valve.
- Width: 24 cm (9,4 in)
- Pop-up: 14 cm (5,5 in)
- Weight: 4.6 kg 10,12 Lbs)
- Units per box: 1

OPTIONS:

- Swing pipes for network connection.
- Maintenance tools.
- Different kinds of cover to match all types of terrain.
- AC models with built-in electrically operated valve (24 VAC, 12 VDC, LATCH) and with 2 or 3 nozzles.

MODELS:

- Ref. 097200:** 1 1/2" FULL circle, 3 Nozzles.
Ref. 097205: 1 1/2" PART circle, 2 Nozzles.
Ref. 097210: 1 1/2" FULL circle W/VALVE, 3 Nozzles.
Ref. 097215: 1 1/2" PART circle W/VALVE, 2 Nozzles.

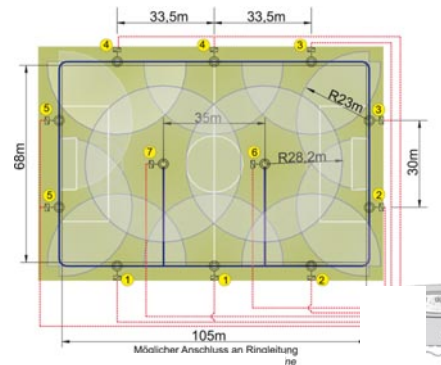
- Ref. RB 17441:** Check-Valve Set
Ref. RT 17566: Arm Counterweight Set
Ref. 109727: GRASS COVER.



TABLES & PARTS

VYR-972 STADIUM

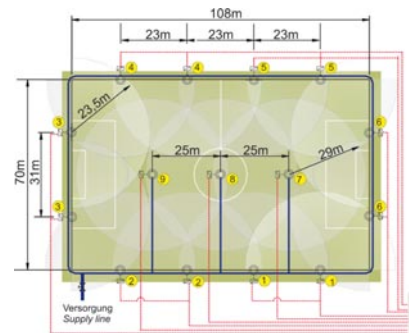
- Pop-up impact sprinkler for gardens, residential areas, parks, and recreational areas. Made with protective plastic and rubber-covered cap or artificial turf. Can be installed inside a casing with a "flowerpot" on top of the sprinkler head to sow natural grass seed.



Performance table with 2 nozzles

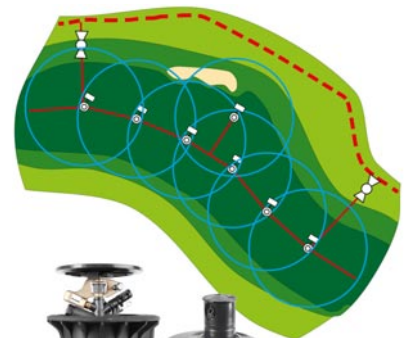
Standard

| BAR PSI | 3 44 | | 4 58 | | 5 72 | | 6 87 | | 7 101 | | 8 116 | |
|------------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| NOZZLE | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft |
| 7 x 5 mm ø | 4,6 | 19 | 5,2 | 19,5 | 5,8 | 20,6 | 6,4 | 21,4 | 6,8 | 21,9 | 7,1 | 22,3 |
| 9/32"x 13/64" ø | 1214 | 62 | 1373 | 64 | 1531 | 68 | 1690 | 70 | 1795 | 72 | 1874 | 73 |
| 8 x 5 mm ø | 5,7 | 19,5 | 6,5 | 20,5 | 7,2 | 21,5 | 7,9 | 22,5 | 8,5 | 23,3 | 9 | 23,8 |
| 5/16"x 13/64" ø | 1505 | 64 | 1716 | 67 | 1901 | 71 | 2086 | 74 | 2244 | 76 | 2376 | 78 |
| 9 x 5 mm ø | 6,8 | 20 | 7,8 | 21,2 | 8,7 | 22,4 | 9,5 | 23,6 | 9,2 | 24,7 | 9,8 | 25,4 |
| 23/64"x 13/64" ø | 1795 | 66 | 2059 | 70 | 2297 | 73 | 2508 | 77 | 2429 | 81 | 2587 | 83 |
| 10 x 5 mm ø | 7,9 | 20,5 | 9 | 21,9 | 10 | 23,3 | 11 | 24,7 | 11,8 | 26,1 | 12,4 | 26,9 |
| 25/64"x 13/64" ø | 2086 | 67 | 2376 | 72 | 2640 | 76 | 2904 | 81 | 3115 | 86 | 3274 | 88 |
| 11 x 5 mm ø | 8,8 | 21 | 10,2 | 23 | 11,3 | 24,8 | 12,4 | 26,6 | 13,3 | 27,9 | 14,2 | 29,1 |
| 7/16"x 13/64" ø | 2323 | 69 | 2693 | 75 | 2983 | 81 | 3274 | 87 | 3511 | 92 | 3749 | 95 |
| 12 x 5 mm ø | 10 | 21,5 | 11,5 | 24 | 12,8 | 26,5 | 14 | 28 | 15,1 | 29,4 | 16 | 30,2 |
| 15/32"x 13/64" ø | 2640 | 71 | 3036 | 79 | 3379 | 87 | 3696 | 92 | 3986 | 96 | 4224 | 99 |
| 13 x 5 mm ø | 11,2 | 22 | 12,9 | 25 | 14,4 | 27,5 | 15,7 | 29 | 16,9 | 30,5 | 18,1 | 32 |
| 33/64"x 13/64" ø | 2957 | 72 | 3406 | 82 | 3802 | 90 | 4145 | 95 | 4462 | 100 | 4778 | 105 |
| 14 x 5 mm ø | 12,7 | 22,5 | 14,6 | 26 | 16,3 | 29 | 17,8 | 30,5 | 19,2 | 32 | 20,4 | 33,6 |
| 35/64"x 13/64" ø | 3353 | 74 | 3854 | 85 | 4303 | 95 | 4699 | 100 | 5069 | 105 | 5386 | 110 |
| 15 x 5 mm ø | 14,1 | 23 | 16,3 | 27 | 18,1 | 30 | 19,8 | 32 | 21,4 | 33,5 | 23 | 35 |
| 19/32"x 13/64" ø | 3722 | 75 | 4303 | 89 | 4778 | 98 | 5227 | 105 | 5650 | 110 | 6072 | 115 |
| 17,5 x 5 mm ø | 17 | 24 | 19,6 | 28 | 21,8 | 31 | 23,9 | 34 | 25,8 | 36,5 | 28 | 38 |
| 11/16"x 13/64" ø | 4488 | 79 | 5174 | 92 | 5755 | 102 | 6310 | 112 | 6811 | 120 | 7392 | 125 |



Performance table with 3 nozzles

| BAR PSI | 3 44 | | 4 58 | | 5 72 | | 6 87 | | 7 101 | | 8 116 | |
|-------------------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| NOZZLE | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft |
| 7 x 5 x 5,2 mm ø | 5,6 | 19 | 6,3 | 19,5 | 7,1 | 20,6 | 7,9 | 21,4 | 8,3 | 21,9 | 8,7 | 22,3 |
| 9/32"x 13/64"x 27/128" | 1478 | 62 | 1663 | 64 | 1874 | 68 | 2086 | 70 | 2191 | 72 | 2297 | 73 |
| 8 x 5 x 5,2 mm ø | 6,7 | 19,5 | 7,6 | 20,5 | 8,5 | 21,5 | 9,4 | 22,5 | 10,1 | 23,3 | 10,6 | 23,8 |
| 5/16"x 13/64"x 27/128" | 1769 | 64 | 2006 | 67 | 2244 | 71 | 2482 | 74 | 2666 | 76 | 2798 | 78 |
| 9 x 5 x 5,2 mm ø | 7,8 | 20 | 8,9 | 21,2 | 10 | 22,4 | 11 | 23,6 | 11,8 | 24,7 | 11,4 | 25,4 |
| 23/64"x 13/64"x 27/128" | 2059 | 66 | 2350 | 70 | 2640 | 73 | 2904 | 77 | 3115 | 81 | 3010 | 83 |
| 10 x 5 x 5,2 mm ø | 8,9 | 20,5 | 10,1 | 21,9 | 11,3 | 23,3 | 12,5 | 24,7 | 13,4 | 26,1 | 14 | 26,9 |
| 25/64"x 13/64"x 27/128" | 2350 | 67 | 2666 | 72 | 2983 | 76 | 3300 | 81 | 3538 | 86 | 3696 | 88 |
| 11 x 5 x 5,2 mm ø | 9,8 | 21 | 11,3 | 23 | 12,6 | 24,8 | 13,9 | 26,6 | 14,9 | 27,9 | 15,8 | 29,1 |
| 7/16"x 13/64"x 27/128" | 2587 | 69 | 2983 | 75 | 3326 | 81 | 3670 | 87 | 3934 | 92 | 4171 | 95 |
| 12 x 5 x 5,2 mm ø | 11 | 21,5 | 12,6 | 24 | 14,1 | 26,5 | 15,5 | 28 | 16,7 | 29,4 | 17,6 | 30,2 |
| 15/32"x 13/64"x 27/128" | 2904 | 71 | 3326 | 79 | 3722 | 87 | 4092 | 92 | 4409 | 96 | 4646 | 99 |
| 13 x 5 x 5,2 mm ø | 12,2 | 22 | 14 | 25 | 15,7 | 27,5 | 17,2 | 29 | 18,5 | 30,5 | 19,1 | 32 |
| 33/64"x 13/64"x 27/128" | 3221 | 72 | 3696 | 82 | 4145 | 90 | 4541 | 95 | 4884 | 100 | 5042 | 105 |
| 14 x 5 x 5,2 mm ø | 13,7 | 22,5 | 15,7 | 26 | 17,6 | 29 | 19,3 | 30,5 | 20,8 | 32 | 22 | 33,6 |
| 35/64"x 13/64"x 27/128" | 3617 | 74 | 4145 | 85 | 4646 | 95 | 5095 | 100 | 5491 | 105 | 5808 | 110 |
| 15 x 5 x 5,2 mm ø | 15,1 | 23 | 17,4 | 27 | 19,4 | 30 | 21,3 | 32 | 23 | 33,5 | 24,6 | 35 |
| 19/32"x 13/64"x 27/128" | 3986 | 75 | 4594 | 89 | 5122 | 98 | 5623 | 105 | 6072 | 110 | 6494 | 115 |
| 17,5 x 5 x 5,2 mm ø | 18 | 24 | 20,7 | 28 | 23,1 | 31 | 25,4 | 34 | 27,4 | 36,5 | 29,6 | 38 |
| 11/16"x 13/64"x 27/128" | 4752 | 79 | 5465 | 92 | 6098 | 102 | 6706 | 112 | 7234 | 120 | 7814 | 125 |





STADIUM

Sprinklers

- VYR-973 ColiseoPg. 38
- VYR-980 Olimpia IIPg. 40
- VYR-5300 Rain RunnerPg. 42
- VYR-157Pg. 44



VYR-973 Coliseum



VYR-973 COLISEUM · Pop-Up Guns

GENERAL PROPERTIES:

- Sport Series pop-up impact sprinklers.
- 1 1/2" female connection.
- Made of plastic and stainless steel.
- Teflon, steel and rubber rotation joints.
- Stainless steel spring with continuous tension.
- Easily adjustable irrigation area thanks to its internal clip system.
- Wide range of plastic nozzles.
- Excellent distribution throughout its reach.
- Removable grid filter for maintenance cleaning.
- Anti-sand rubber seal.
- Spring with tension regulation system.

TECHNICAL SPECIFICATIONS:

- Reach: 19 - 33 m (62 - 108 ft)
- Flow: 5.000 - 29.500 l/h (1.320 - 7.810 GPH)
- Working pressure: 3 - 6 BAR / 44 - 87 PSI.
- Area: Full or part circle.
- Nozzles: Two or three nozzles (depending on the model) made up of short, medium and long reach jets with diffuser pin.
- Trajectory angles: 22°
- Maximum stream height: 3.2 m / 10,5 ft
- Rotation time: 360° between 1 and 4 minutes (adjustable)
- Uniformity coefficient higher than 90% in areas of 24x24R, 25x25T, 25x27T.

APPLICATIONS:

- SPORT Series impact sprinklers are designed and manufactured to offer the best irrigation quality and durability in sport fields.

DIMENSIONS:

- Height: 49 cm / 19 in and 66 cm / 26 in (W/valve).
- Width: 24 cm / 9,5 in
- Pop-up: 20 cm / 8 in
- Weight: 4.6 kg / 10 Lbs
- Units per box: 1

OPTIONS:

- Swing pipes for network connection.
- Maintenance tools.
- Different kinds of cover to match all types of terrain.
- AC models with built-in electrically operated valve (24 VAC, 12 VDC, LATCH) and with 2 or 3 nozzles.

MODELS:

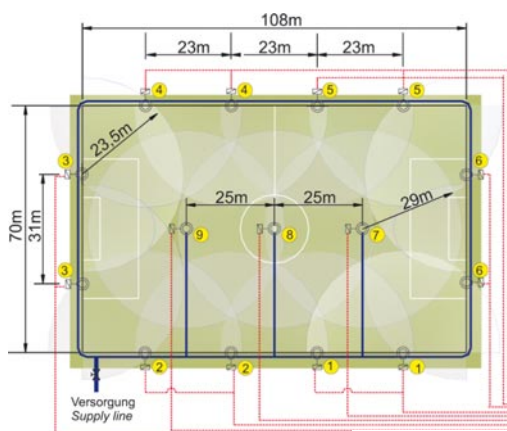
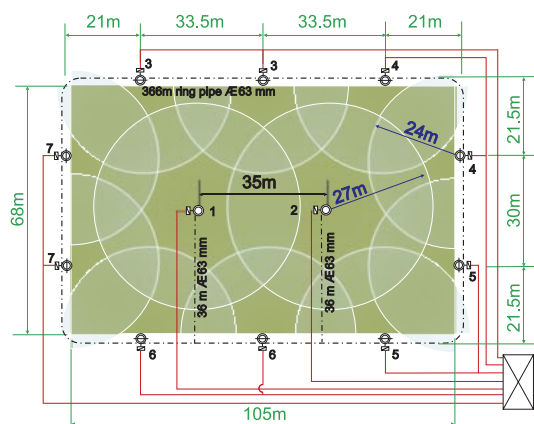
- Ref. 097320: 1 1/2" FULL circle, 3 Nozzles.
- Ref. 097321: 1 1/2" FULL circle, W/VALVE, 3 Nozzles.
- Ref. 097322: 1 1/2" PART circle, 2 Nozzles.
- Ref. 097323: 1 1/2" PART circle, W/VALVE, 2 Nozzles.

Ref. RB 17441: Check-Valve Set

Ref. RT 17566: Arm Counterweight Set

TABLES & PARTS

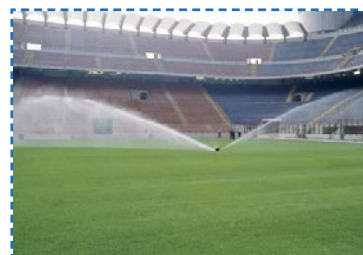
VYR-973 COLISEUM



Performance table with 2 nozzles

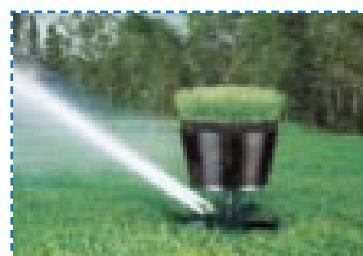
Standard

| BAR PSI | 3 44 | | 4 58 | | 5 72 | | 6 87 | | 7 101 | | 8 116 | |
|------------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| NOZZLE | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft |
| 7 x 5 mm ø | 4,6 | 19 | 5,2 | 19,5 | 5,8 | 20,6 | 6,4 | 21,4 | 6,8 | 21,9 | 7,1 | 22,3 |
| 9/32"x 13/64" ø | 1214 | 62 | 1373 | 64 | 1531 | 68 | 1690 | 70 | 1795 | 72 | 1874 | 73 |
| 8 x 5 mm ø | 5,7 | 19,5 | 6,5 | 20,5 | 7,2 | 21,5 | 7,9 | 22,5 | 8,5 | 23,3 | 9 | 23,8 |
| 5/16"x 13/64" ø | 1505 | 64 | 1716 | 67 | 1901 | 71 | 2086 | 74 | 2244 | 76 | 2376 | 78 |
| 9 x 5 mm ø | 6,8 | 20 | 7,8 | 21,2 | 8,7 | 22,4 | 9,5 | 23,6 | 9,2 | 24,7 | 9,8 | 25,4 |
| 23/64"x 13/64" ø | 1795 | 66 | 2059 | 70 | 2297 | 73 | 2508 | 77 | 2429 | 81 | 2587 | 83 |
| 10 x 5 mm ø | 7,9 | 20,5 | 9 | 21,9 | 10 | 23,3 | 11 | 24,7 | 11,8 | 26,1 | 12,4 | 26,9 |
| 25/64"x 13/64" ø | 2086 | 67 | 2376 | 72 | 2640 | 76 | 2904 | 81 | 3115 | 86 | 3274 | 88 |
| 11 x 5 mm ø | 8,8 | 21 | 10,2 | 23 | 11,3 | 24,8 | 12,4 | 26,6 | 13,3 | 27,9 | 14,2 | 29,1 |
| 7/16"x 13/64" ø | 2323 | 69 | 2693 | 75 | 2983 | 81 | 3274 | 87 | 3511 | 92 | 3749 | 95 |
| 12 x 5 mm ø | 10 | 21,5 | 11,5 | 24 | 12,8 | 26,5 | 14 | 28 | 15,1 | 29,4 | 16 | 30,2 |
| 15/32"x 13/64" ø | 2640 | 71 | 3036 | 79 | 3379 | 87 | 3696 | 92 | 3986 | 96 | 4224 | 99 |
| 13 x 5 mm ø | 11,2 | 22 | 12,9 | 25 | 14,4 | 27,5 | 15,7 | 29 | 16,9 | 30,5 | 18,1 | 32 |
| 33/64"x 13/64" ø | 2957 | 72 | 3406 | 82 | 3802 | 90 | 4145 | 95 | 4462 | 100 | 4778 | 105 |
| 14 x 5 mm ø | 12,7 | 22,5 | 14,6 | 26 | 16,3 | 29 | 17,8 | 30,5 | 19,2 | 32 | 20,4 | 33,6 |
| 35/64"x 13/64" ø | 3353 | 74 | 3854 | 85 | 4303 | 95 | 4699 | 100 | 5069 | 105 | 5386 | 110 |
| 15 x 5 mm ø | 14,1 | 23 | 16,3 | 27 | 18,1 | 30 | 19,8 | 32 | 21,4 | 33,5 | 23 | 35 |
| 19/32"x 13/64" ø | 3722 | 75 | 4303 | 89 | 4778 | 98 | 5227 | 105 | 5650 | 110 | 6072 | 115 |
| 17,5 x 5 mm ø | 17 | 24 | 19,6 | 28 | 21,8 | 31 | 23,9 | 34 | 25,8 | 36,5 | 28 | 38 |
| 11/16"x 13/64" ø | 4488 | 79 | 5174 | 92 | 5755 | 102 | 6310 | 112 | 6811 | 120 | 7392 | 125 |



Performance table with 3 nozzles

| BAR PSI | 3 44 | | 4 58 | | 5 72 | | 6 87 | | 7 101 | | 8 116 | |
|-------------------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| NOZZLE | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft |
| 7 x 5 x 5,2 mm ø | 5,6 | 19 | 6,3 | 19,5 | 7,1 | 20,6 | 7,9 | 21,4 | 8,3 | 21,9 | 8,7 | 22,3 |
| 9/32"x 13/64"x 27/128" | 1478 | 62 | 1663 | 64 | 1874 | 68 | 2086 | 70 | 2191 | 72 | 2297 | 73 |
| 8 x 5 x 5,2 mm ø | 6,7 | 19,5 | 7,6 | 20,5 | 8,5 | 21,5 | 9,4 | 22,5 | 10,1 | 23,3 | 10,6 | 23,8 |
| 5/16"x 13/64"x 27/128" | 1769 | 64 | 2006 | 67 | 2244 | 71 | 2482 | 74 | 2666 | 76 | 2798 | 78 |
| 9 x 5 x 5,2 mm ø | 7,8 | 20 | 8,9 | 21,2 | 10 | 22,4 | 11 | 23,6 | 11,8 | 24,7 | 11,4 | 25,4 |
| 23/64"x 13/64"x 27/128" | 2059 | 66 | 2350 | 70 | 2640 | 73 | 2904 | 77 | 3115 | 81 | 3010 | 83 |
| 10 x 5 x 5,2 mm ø | 8,9 | 20,5 | 10,1 | 21,9 | 11,3 | 23,3 | 12,5 | 24,7 | 13,4 | 26,1 | 14 | 26,9 |
| 25/64"x 13/64"x 27/128" | 2350 | 67 | 2666 | 72 | 2983 | 76 | 3300 | 81 | 3538 | 86 | 3696 | 88 |
| 11 x 5 x 5,2 mm ø | 9,8 | 21 | 11,3 | 23 | 12,6 | 24,8 | 13,9 | 26,6 | 14,9 | 27,9 | 15,8 | 29,1 |
| 7/16"x 13/64"x 27/128" | 2587 | 69 | 2983 | 75 | 3326 | 81 | 3670 | 87 | 3934 | 92 | 4171 | 95 |
| 12 x 5 x 5,2 mm ø | 11 | 21,5 | 12,6 | 24 | 14,1 | 26,5 | 15,5 | 28 | 16,7 | 29,4 | 17,6 | 30,2 |
| 15/32"x 13/64"x 27/128" | 2904 | 71 | 3326 | 79 | 3722 | 87 | 4092 | 92 | 4409 | 96 | 4646 | 99 |
| 13 x 5 x 5,2 mm ø | 12,2 | 22 | 14 | 25 | 15,7 | 27,5 | 17,2 | 29 | 18,5 | 30,5 | 19,1 | 32 |
| 33/64"x 13/64"x 27/128" | 3221 | 72 | 3696 | 82 | 4145 | 90 | 4541 | 95 | 4884 | 100 | 5042 | 105 |
| 14 x 5 x 5,2 mm ø | 13,7 | 22,5 | 15,7 | 26 | 17,6 | 29 | 19,3 | 30,5 | 20,8 | 32 | 22 | 33,6 |
| 35/64"x 13/64"x 27/128" | 3617 | 74 | 4145 | 85 | 4646 | 95 | 5095 | 100 | 5491 | 105 | 5808 | 110 |
| 15 x 5 x 5,2 mm ø | 15,1 | 23 | 17,4 | 27 | 19,4 | 30 | 21,3 | 32 | 23 | 33,5 | 24,6 | 35 |
| 19/32"x 13/64"x 27/128" | 3986 | 75 | 4594 | 89 | 5122 | 98 | 5623 | 105 | 6072 | 110 | 6494 | 115 |
| 17,5 x 5 x 5,2 mm ø | 18 | 24 | 20,7 | 28 | 23,1 | 31 | 25,4 | 34 | 27,4 | 36,5 | 29,6 | 38 |
| 11/16"x 13/64"x 27/128" | 4752 | 79 | 5465 | 92 | 6098 | 102 | 6706 | 112 | 7234 | 120 | 7814 | 125 |



VYR-980 Olimpia II



VYR-980 OLIMPIA II · Pop-Up Sprinkler Gun

GENERAL PROPERTIES:

- Part circle pop-up gun sprinkler with piston-controlled rotation system lubricated with water. Larger range distance and lower flow than our previous model version VYR-977.
- In-head built-in solenoid valve with ON-OFF-AUTO control from the outside cover-ring. (24Vac standart)
- Multi-jet nozzle with 5 outlets for a perfect coverage and uniformity of distribution.
- Optinoal "Sector-Scout" system to count the number of sectors for cycle irrigation (only by using special cycle controller).
- Specially designed for perimetral irrigation of stadiums without any need of in-field maintenance or repairing.
- Lateral inlet of 2" female threaded with brass inserted ring.
- Made of brass, stainless steel and Delrin plastic.
- Special plastics and rubber rotation joints.
- Built-in check valve (8.8 m water column).
- Removable grit filter for maintenance cleaning.

TECHNICAL SPECIFICATIONS:

- Range distance: 34-54 m / 112 - 177 ft
- Flow: 23,000 - 65,000 l/h / 6.070 - 17.160 GPH
- Working pressure: 4 - 8 BAR / 58 - 116 PSI
- Coverage area: Full or part circle.
- Boquillas: A single nozzle with 5 outlets: 16, 20 & 24 mm
- Trajectory angles: 23°
- Maximum stream height: 6,2 m / 20,3 ft
- Rotation time: 360° between 50 and 120 seconds (adjustable).
- Uniformity coefficient higher than 85% in areas of 50x50R, 55x55T, 55x55R, 50x65T m / 164x164R, 180x180T, 180x80R, 164x213T ft.

APPLICATIONS:

- Sports fields of natural or artificial turf or sand: football, rugby, baseball, horse riding, golf, etc.
- Large commercial areas and urban parks.

DIMENSIONS:

- Sprinkler height: 68 cm / 26,8 in or 72 cm / 28,3 in for rubber cap.
- Visible cover width: 39 cm / 15,4 in or 30 cm / 11,8 in for pop-up cap.
- Pop-up: 15 cm / 5,9 in
- Weight: 19 kg / 42 Lbs
- Units per box: 1

OPTIONS:

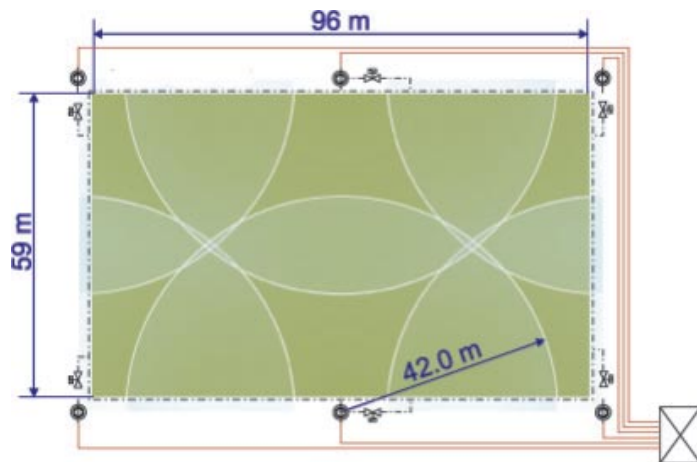
- Cycle counter system "Sector Scout".
- X-Force valve-boxes.
- Maintenance tolls.

MODELS:

- Ref. 098000: VYR-980 (SHORT).
- Ref. 098005: VYR-980 W/ RUBBER cup (SHORT).
- Ref. 098010: VYR-980 W/ VALVE.
- Ref. 098015: VYR-980 W/ RUBBER cup, W/ VALVE.
- Ref. 098030: VYR-980 W/ VALVE + SECTOR-SCOUT.
- Ref. 098035: VYR-980 W/ RUBBER cup, W/ VALVE+SECTOR-SCOUT.
- Ref. 198001: Sector-Scout CONTROLLER.



VYR-980 OLIMPIA II



| NOZZLE | Espaciamento (ft) / Precipitación (in/H) | | | |
|-----------------|--|------------------|------------------|------------------|
| | BAR PSI | 40x40 132x132 | 45x45 148x148 | 50x50 164x164 |
| 16 mm 5/8" | 5 | 15,9 | 12,6 | 10,2 |
| | 72 | 0,63 | 0,50 | 0,40 |
| | 6 | 17,4 | 13,8 | 11,2 |
| | 87 | 0,69 | 0,54 | 0,44 |
| | 7 | 18,8 | 14,9 | 12 |
| | 101 | 0,74 | 0,59 | 0,47 |
| 20 mm 51/64" | 8 | 20,1 | 15,9 | 12,9 |
| | 116 | 0,79 | 0,63 | 0,51 |
| | 5 | 23,1 | 18,2 | 14,8 |
| | 72 | 0,91 | 0,72 | 0,58 |
| | 6 | 25,3 | 20 | 16,2 |
| | 87 | 1,00 | 0,79 | 0,64 |
| 24 mm 61/64" | 7 | 27,3 | 21,6 | 17,5 |
| | 101 | 1,07 | 0,85 | 0,69 |
| | 8 | 29,2 | 23,1 | 18,7 |
| | 116 | 1,15 | 0,91 | 0,74 |
| | 5 | 31,8 | 25,1 | 20,4 |
| | 72 | 1,25 | 0,99 | 0,80 |
| 24 mm 61/64" | 6 | 34,9 | 27,6 | 22,3 |
| | 87 | 1,37 | 1,09 | 0,88 |
| | 7 | 37,6 | 29,7 | 24,1 |
| | 101 | 1,48 | 1,17 | 0,95 |
| | 8 | 40,3 | 31,8 | 25,8 |
| | 116 | 1,59 | 1,25 | 1,02 |

Standard T: Triang. CU < 85% CU 85-88% CU 88-92% CU > 92%

Accessories:



Model with rubber cap for soil and grass.



Cycle count system "Sector-Scout"



Cycle controller for "Sector-Scout" sprinklers.




Caps can be also refilled with artificial grass



X-Force valve-boxes



Performance table

| BAR PSI | 4 58 | | 5 72 | | 6 87 | | 7 101 | | 8 116 | |
|---|--------------|-----------|---------------|-------------|--------------|-----------|--------------|-----------|----------------|-------------|
| BOQUILLA NOZZLE | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft | m³/h GPM | m ft |
| 16 mm ø 5/8" ø | 23 6.072 | 34 112 | 25,5 6.732 | 37,5 123 | 28 7.392 | 40 131 | 30 7.920 | 42 138 | 32,5 8.580 | 44,5 146 |
|  20 mm ø 51/64" ø | 33 8.712 | 40 131 | 37 9.768 | 42 138 | 41 10.824 | 45 148 | 44 11.616 | 48 157 | 47 12.408 | 50 164 |
| 24 mm ø 61/64" ø | 46 12.144 | 42 138 | 51 13.464 | 44 144 | 56 14.784 | 49 161 | 61 16.104 | 52 171 | 64,5 17.028 | 54 177 |

Standard

VYR-5300

Rain Runner



INCLUDED

VYR-65

VYR-5300 Rain Runner · Hydraulic Irrigation Traveller

GENERAL PROPERTIES:

- Automatic sprinkler cart with 120 m / 394 ft. of cable.
- Connection for 3/4" male or 1" female sprinklers. (SEE SPRINKLER OPTIONS).
- Automatic shut-off system with safety valve after irrigation has been completed.
- Made of aluminium, plastic and stainless steel.
- Used in full coverage irrigation with medium-high flows.

TECHNICAL SPECIFICATIONS:

- Diameter Reach: 16 - 24 m / 2-79 ft. of radius.
- Flow: 2.240 - 7.840 l/h / 590 - 2070 GPH
- Working pressure: 3.5 - 6.5 BAR / 51 - 94 PSI
- Area: Part or full circle.
- Nozzles: 5-9 L/min, according to sprinkler model used and velocity!
- Trajectory angles: 28° - 30°
- Maximum stream height: 3.5 m / 11,5 ft.
- Speed: 10-20 m/h / 33-66 ft/h

APPLICATIONS:

- Sports fields and flat meadows.

DIMENSIONS:

- Length: 77 cm / 30 in
- Height: 40 cm / 16 in
- Width: 47 cm / 18,5 in
- Weight: 33 Kg / 73 Lbs

OPTIONS:

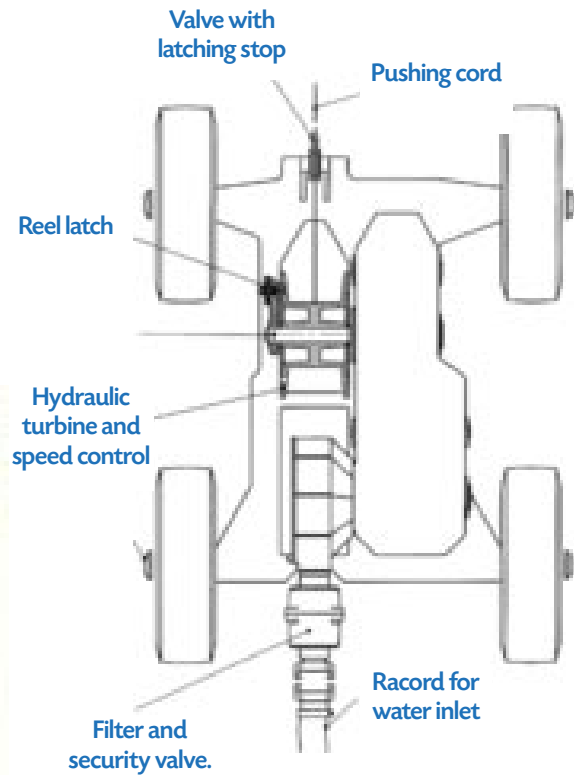
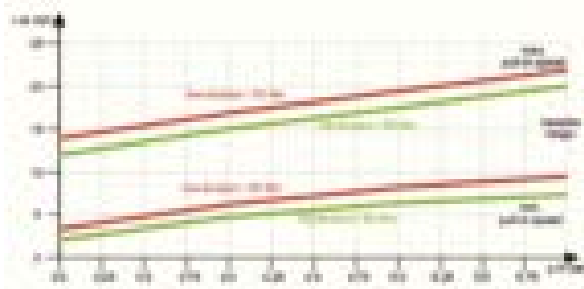
- Set with built-in sprinkler according to recommended models.
- Hose 1" for operating on our travelling sprinkler cart VYR-5300.

MODELS:

Ref. 005300 Rain-Runner Irrigation cart.

VYR-5300 RAIN RUNNER

- The Irrigation Traveller **VYR-5300 "RAIN-RUNNER"** is ideal for irrigation support in zones 1 to 8 hectares (1000-8000 m²). The power system by a water turbine allows us to leave the system running with auto scroll without having to rely on mobile tripods. Besides his constant speed ensures a perfect distribution of irrigation uniformity. Once the irrigation line is completed, a security valve will close automatically without anyone having to be aware of closing the supply valve.
- Save time and money with this innovative irrigation system, ideal for sports fields, parks, cemeteries, campuses and schools, shopping and even industrial use.



VYR-157 Rain Gun



VYR-157 · Part/Full Circle Guns

GENERAL PROPERTIES:

- Piston drive raingun sprinkler, high flow.
- 2 1/2" and 3" female connection.
- Made of aluminium, brass, plastic and stainless steel.
- High-resistance rotating joints.
- Nozzle angles of 25° and 22°
- Special design for long reach.
- Used in full coverage irrigation with very high flow.
- Rotation speed adjustment.

TECHNICAL SPECIFICATIONS:

- Reach: 24-42 m (2") and 39 - 65 m (3").
- Flow: 10,250 - 25,000 l/h (2") and 24,250 - 121,250 l/h (3").
- Working pressure: 5 - 8 BAR / 58 - 116 PSI.
- Area: Part or full circle.
- Nozzles: One main multi-jet nozzle for long reach and a secondary nozzle for short reach.
- Trajectory angles: 25° and 22°
- Maximum stream height: 7.5 m / 26 ft.
- Rotation time: Adjustable by a side control command screw.
- Uniformity coefficient higher than 90% in areas of 35x35R, 40x40T, 40x45T (2"), 55x55R, 60x60T, 60x65T(3") m. / 180x180R, 197x197T, 197x213T ft.

APPLICATIONS:

- Dust suppression.
- Irrigation for sport fields.
- Roller traveller sprinkler irrigation.
- Horticultural plantations, cereals, tubers, leguminous plants and fruit trees.
- Mining.
- Firewall.

MEASUREMENTS:

- Height: 30 cm and 50 cm / 11,8 and 19,7 in
- Width: 45 cm and 80 cm / 17,7 and 31,5 in
- Weight: 4 kg y 7,5 kg / 8,8 Lbs and 16,5 Lbs
- Units per box: 1

OPTIONS:

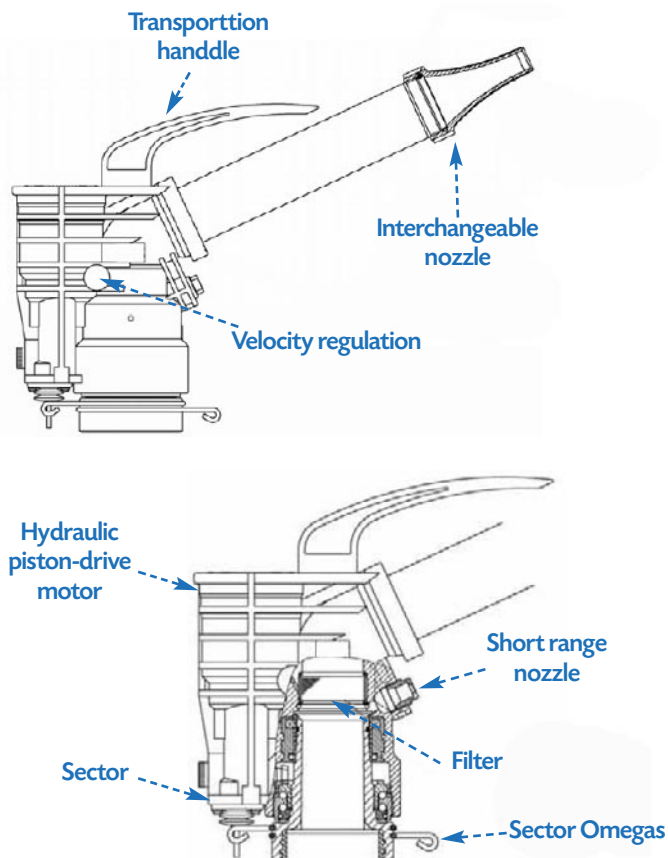
- Automatic kit with 2" or 3" valve, hydraulically or electrically driven.
- Foldable tripod for mobile installation.
- Complete set of nozzles.

MODELS:

Ref. 015702: Piston drive gun sprinkler 2 1/2"

Ref. 015703: Piston drive gun sprinkler 3"

TABLES & PARTS



Long range nozzles (long vane) + short range nozzle for VYR-157 S

| NOZZLE | 14 x 5 mm 35/64" x 13/64" | | 16 x 5 mm 5/8" x 13/64" | | 18 x 5 mm 23/32" x 13/64" | | 20 x 5 mm 51/64" x 13/64" | | 22 x 5 mm 7/8" x 13/64" | | 24 x 5 mm 61/64" x 13/64" | |
|------------|------------------------------|-------------|----------------------------|-------------|------------------------------|-------------|------------------------------|-------------|----------------------------|-------------|------------------------------|-------------|
| BAR PSI | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft |
| 4 | 15.870 | 32 | 20.140 | 35 | 24.980 | 40 | 30.380 | 41,5 | 36.360 | 43 | 42.910 | 45 |
| 58 | 4.200 | 105 | 5.322 | 115 | 6.576 | 131 | 8.028 | 136 | 9.612 | 140 | 11.340 | 148 |
| 5 | 17.740 | 34 | 22.520 | 38 | 27.930 | 43 | 33.970 | 45 | 40.65 | 46 | 47.970 | 48 |
| 73 | 4.680 | 112 | 5.952 | 125 | 7.380 | 141 | 8.976 | 148 | 10.746 | 151 | 12.678 | 157 |
| 6 | 19.440 | 36 | 24.660 | 41 | 30.590 | 46 | 37.210 | 48 | 44.530 | 50 | 52.550 | 52 |
| 87 | 5.160 | 118 | 6.516 | 134 | 8.088 | 151 | 9.834 | 157 | 11.772 | 164 | 13.890 | 170 |
| 7 | 20.990 | 38 | 26.640 | 43 | 33.040 | 47 | 40.190 | 50 | 48.100 | 51,5 | 56.760 | 53,5 |
| 102 | 5.580 | 125 | 7.044 | 141 | 8.736 | 154 | 10.626 | 164 | 12.714 | 174 | 15.000 | 175 |



Long range nozzles (long vane) + short range nozzle for VYR-157 L

| NOZZLE | 18 x 5 mm 23/32" x 13/64" | | 20 x 5 mm 51/64" x 13/64" | | 22 x 5 mm 7/8" x 13/64" | | 24 x 5 mm 61/64" x 13/64" | | 26 x 5 mm 33/32" x 13/64" | | 28 x 5 mm 1,10" x 13/64" | | 30 x 5 mm 1,18" x 13/64" | | 32 x 5 mm 1,26" x 13/64" | | 34 x 5 mm 1,34" x 13/64" | |
|------------|------------------------------|-------------|------------------------------|-------------|----------------------------|-------------|------------------------------|-------------|------------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|
| BAR PSI | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft |
| 5 | 29.700 | 42 | 35.700 | 44 | 42.400 | 46 | 49.700 | 48 | 57.700 | 50 | 66.300 | 53 | 75.500 | 55 | 85.400 | 57 | 95.900 | 58 |
| 73 | 7.848 | 138 | 9.432 | 144 | 11.208 | 151 | 13.134 | 157 | 15.252 | 164 | 17.526 | 174 | 19.956 | 180 | 22.572 | 187 | 25.350 | 190 |
| 6 | 32.500 | 45 | 39.100 | 47 | 46.500 | 49 | 54.400 | 51 | 63.200 | 53 | 72.600 | 56 | 82.700 | 58 | 93.500 | 60 | 105.000 | 61 |
| 87 | 8.592 | 148 | 10.332 | 154 | 12.288 | 161 | 14.406 | 167 | 16.704 | 174 | 19.188 | 184 | 21.858 | 190 | 24.714 | 197 | 27.780 | 200 |
| 7 | 35.100 | 48 | 42.300 | 50 | 50.200 | 52 | 58.800 | 54 | 68.200 | 57 | 78.400 | 60 | 89.300 | 63 | 101.00 | 65 | 113.40 | 66 |
| 102 | 9.276 | 157 | 11.178 | 164 | 13.266 | 170 | 15.540 | 177 | 18.024 | 187 | 20.724 | 197 | 23.604 | 207 | 26.694 | 213 | 29.976 | 216 |
| 8 | 37.500 | 50 | 45.200 | 52 | 53.600 | 54 | 62.900 | 56 | 72.900 | 59 | 83.800 | 62 | 95.500 | 65 | 108.00 | 67 | 121.30 | 69 |
| 114 | 9.912 | 164 | 11.946 | 170 | 14.166 | 177 | 16.626 | 184 | 19.266 | 193 | 22.152 | 203 | 25.242 | 213 | 28.548 | 220 | 32.076 | 226 |

 Standard  Diameter range

- Sprinklers will be supplied with standard nozzles unless otherwise specified.
- In order to calculate the flow, add the flows of the two nozzles. The range of the rear nozzle must be less than that of the main nozzle.
- These results have been obtained at indoor laboratory with 0 m/sec wind velocity. Outdoor results may change range distances.



Impact and Rotative Overhead Sprinklers

ROTATIVE OVERHEAD

| | |
|-----------------|--------|
| - VYR-968 | Pg. 47 |
| - VYR-868 | Pg. 48 |
| - VYR-59 | Pg. 49 |

IMPACT OVERHEAD

| | |
|-----------------|--------|
| - VYR-50 | Pg. 50 |
| - VYR-80 | Pg. 52 |
| - VYR-802 | Pg. 54 |
| - VYR-803 | Pg. 56 |
| - VYR-60 | Pg. 58 |
| - VYR-65 | Pg. 60 |
| - VYR-150 | Pg. 62 |

VYR-968

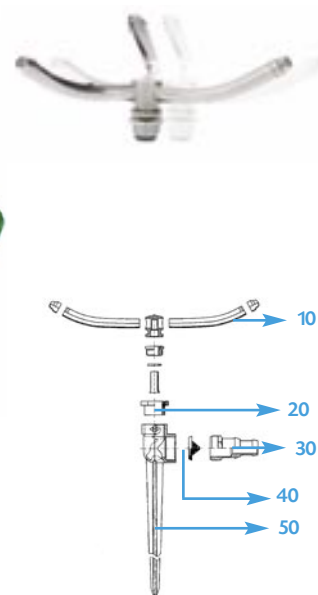


Ref. 096800



Ref. 486802

Ref. 310402



| NOZZLE | Spacing (ft) / Precipit. rate (in/h) | | | | | | | |
|--------|--------------------------------------|------------|-------------|--------------|----------------|--------------|----------------|----------------|
| | BAR PSI | L/H GPH | Ø m Ø ft | 4x4 13x13 | 4x4T 13x13T | 6x6 20X20 | 6x6T 20X20T | 8x8T 26X26T |
| | 1 | 960 | 7 | 52 | 60 | 23 | 27 | 13 |
| | 15 | 253 | 23 | 2,05 | 2,35 | 0,90 | 1,05 | 0,50 |
| | 2 | 1320 | 7 | 71 | 82 | 32 | 37 | 18 |
| | 29 | 348 | 23 | 2,80 | 3,20 | 1,25 | 1,45 | 0,70 |

Ø: Diameter range

VYR-968 · Rotative Overhead Sprinklers

GENERAL PROPERTIES:

- Three-arm rotating sprinkler for gardening, agriculture, floriculture and greenhouses.
- Connection of the 3/8" male rotating head, and connection of the spike with a 15 and 20 mm hose coupling.
- Sprinkler made of chrome-plated brass and copper, and there are three models for the spike: plastic, aluminium and brass.
- Steel and rubber rotating joints.
- Three rotating perforated arms and spray sprinklers.
- Anti-sand filter.
- This sprinkler is strong and durable enough to work for many years in urban gardens in tough conditions, caused by vandalism and impact from maintenance equipment.

TECHNICAL SPECIFICATIONS:

- Reach: 4 - 7 m / 13 - 23 ft
- Flow: 360 - 1.044 l/h / 95 - 275 GPH
- Working pressure: 0.5 - 3.5 BAR / 7 - 50 PSI
- Area: Circular.
- Nozzles: A multi-jet nozzle.
- Maximum stream height: 2 m / 6,6 ft
- Rotation time: Irregular
- Uniformity coefficient higher than 90% in areas of 5x5R m / 16x16R ft.

APPLICATIONS:

- Public and private gardens.
- Horticultural plantations, floriculture and fruit trees.

MEASUREMENTS:

- Width: 12 cm / 4,7 in
- Sprinkler height: 13 cm / 5,1 in
- Weight: 220 g / 0,50 Lbs
- Units per box: 100

OPTIONS:

- Adapter with reduction for 1/2" male.
- Assembled as a "complete support kit" on an aluminium base.
- Assembled as a "complete support kit" on a 1.3 or 0.7 m galvanized stake with microtube and connectors.
- Assembled as a "complete support kit" on a 1.3 or 0.7 m galvanized stake with microtube and connectors.

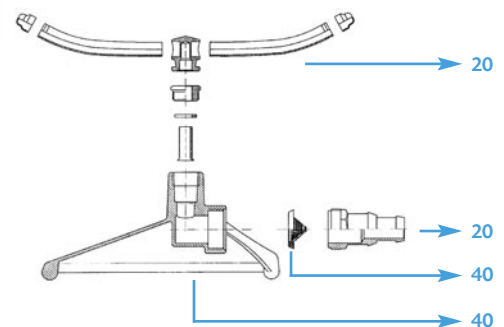
MODELS:

- Ref. 086800: Brass spike.
- Ref. 096810: Aluminium spike.
- Ref. 096820: Plastic spike with 15/20 connector.
- Ref. 096821: Plastic spike with express connector.
- Ref. 486820: Reduced nut adapter 3/8" to 1/2"
- Ref. 196800: Rubber gasquet & conical filter.

VYR-868



Ref. 086800



VYR-868 · Rotative Overhead Sprinkler

GENERAL PROPERTIES:

- Three-arm rotating sprinkler for gardening, agriculture, floriculture and greenhouses.
- Connection of the 3/8" male rotating head, and connection of the spike with a 15 and 20 mm hose coupling.
- Made of chrome-plated brass and copper.
- Steel and rubber rotating joints.
- Three rotating perforated arms and spray sprinklers.
- Anti-sand filter.
- This sprinkler is strong and durable enough to work for many years in urban gardens in tough conditions, caused by vandalism and impact from maintenance equipment.

TECHNICAL SPECIFICATIONS:

- Reach: 4 - 7 m / 3 - 23 ft
- Flow: 360 - 1.044 l/h / 95 - 275 GPH
- Working pressure: 0.5 - 3.5 BAR / 7 - 50 PSI
- Area: Circular.
- Nozzles: A multi-jet nozzle.
- Maximum stream height: 2 m / 6,6 ft
- Rotation time: Irregular
- Uniformity coefficient higher than 90% in areas of 5x5R m/16x16R ft.

APPLICATIONS:

- Public and private gardens.
- Horticultural plantations, floriculture and fruit trees.

MEASUREMENTS:

- Width: 12 cm / 4,7 in
- Sprinkler height: 13 cm / 5,1 in
- Weight: 220 g / 0,50 Lbs
- Units per box: 100

OPTIONS:

- Adapter with reduction for 1/2" male.
- Assembled as a "complete support kit" on an aluminium base.
- Assembled as a "complete support kit" on a 1.3 or 0.7 m galvanized stake with microtube and connectors.

MODELS:

Ref. 086800: Sprinkler + triangular base with 3 arms.

Ref. 486804: Three arm rotating sprinkler.

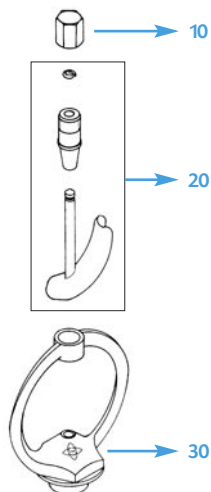
Ref. 486820: 1/2" male adapter.

Ref. 486820: Reduced nut adapter 3/8" to 1/2"

Ref. 196800: Rubber gasquet & conical filter.

VYR-59 Mercedes

Ref. 005900



Ref. 005910



Ref. 486802



| NOZZLE | Spacing (ft) / Precipit. rate (in/h) | | | | | | | |
|--------|--------------------------------------|------------|-------------|--------------|----------------|--------------|----------------|----------------|
| | BAR PSI | L/H GPH | Ø m Ø ft | 4x4 13x13 | 4x4T 13x13T | 6x6 20X20 | 6x6T 20X20T | 8x8T 26X26T |
| 1 | 900 | 7 | 65 | 56 | 29 | 25 | 16 | |
| 15 | 238 | 23 | 2,50 | 2,20 | 1,15 | 1,00 | 0,65 | |
| 2 | 1200 | 7 | 86 | 75 | 38 | 33 | 22 | |
| 29 | 317 | 23 | 3,40 | 2,95 | 1,50 | 1,30 | 0,90 | |

Ø: Diámetro de cobertura

VYR-59 MERCEDES · Rotative Overhead Sprinklers

GENERAL PROPERTIES:

- Riser-mounted rotating sprinkler for gardening, agriculture, floriculture and greenhouses.
- 1/2" male connection.
- Made of chrome-plated Zamac and copper.
- Steel and rubber rotating joints.
- Rotating diffuser and deflector.
- This sprinkler is strong and durable enough to work for many years in urban gardens in tough conditions, caused by vandalism and impact from maintenance equipment.

TECHNICAL SPECIFICATIONS:

- Reach: 4 - 6 m / 3 - 20 ft
- Flow: 360 - 1,044 l/h / 95 - 175 GPH
- Working pressure: 0.5 - 3.5 BAR / 7 - 50 PSI
- Area: Circular.
- Nozzles: One nozzle.
- Trajectory angles: 38°
- Maximum stream height: 2.5 m / 8,2 f.
- Rotation time: Irregular.
- Uniformity coefficient higher than 90% in areas of , 4x4T m / 13x13T ft.

APPLICATIONS:

- Public and private gardens.
- Horticultural plantations, floriculture and fruit trees.
- Also for other industrial uses (cleaning out troughs and tankers) or with livestock (irrigation for pig farms to add moisture and lower the temperature).

MEASUREMENTS:

- Width: 10 cm / 3,9 in
- Sprinkler height: 9 cm / 3,5 in
- Weight: 144 g / 0,32 Lbs
- Units per box: 150

OPTIONS:

- Assembled as a "complete support kit" on a brass, aluminium or plastic spike.
- Assembled as a "complete support kit" on an aluminium base.
- Assembled as a "complete support kit" on a 1.3 or 0.7 m galvanized stake with microtube and connectors.

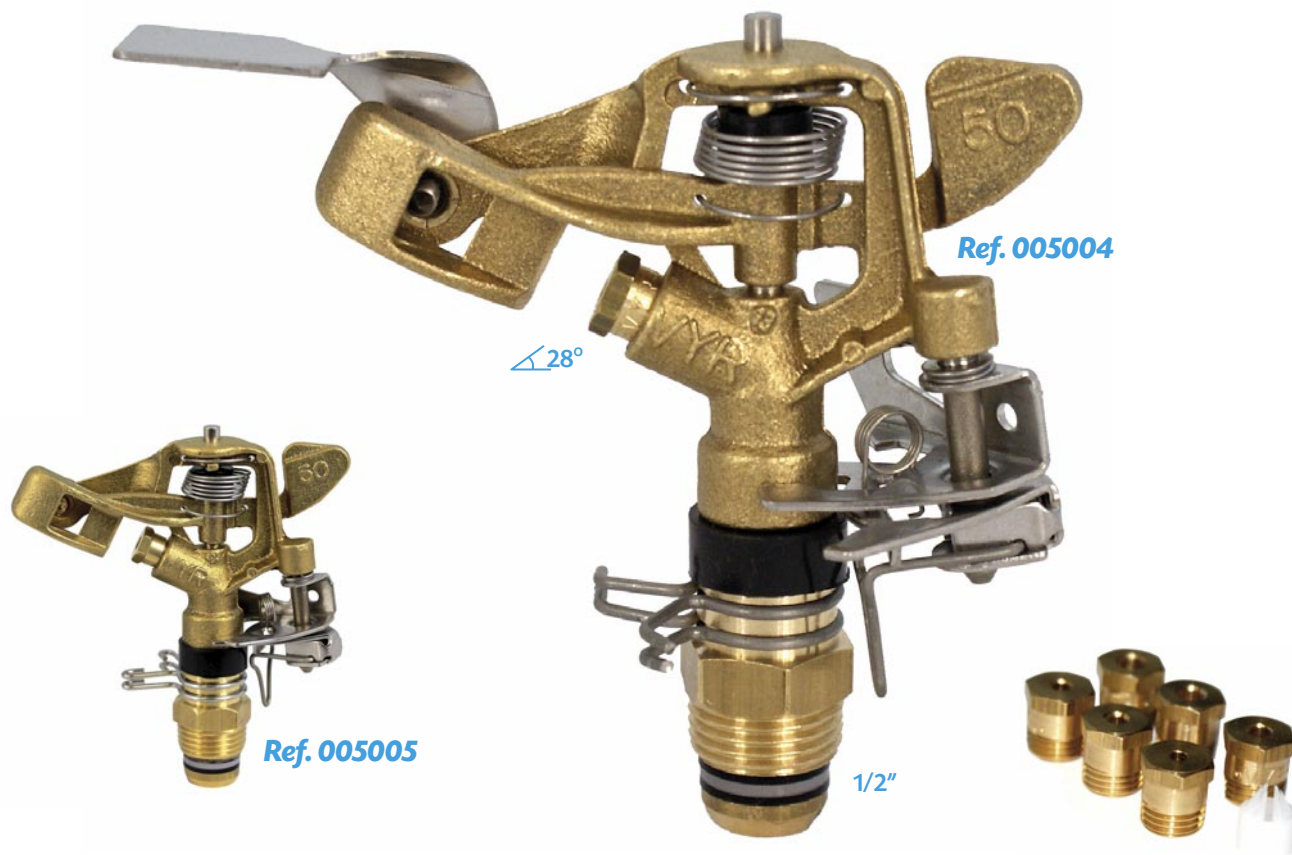
MODELS:

Ref. 005900: Standard cromed sprinkler VYR-59.

Ref. 005910: VYR-59 cromed + rounded base.

Ref. 196800: Rubber gasquet & conical filter.

VYR-50



VYR-50 AG · Impact Overhead Sprinklers

GENERAL PROPERTIES:

- Riser-mounted impact sprinkler for gardening, agriculture, flower growing and greenhouses.
- 1/2" male connection.
- Made of brass and stainless steel.
- High-resistance rotating joints.
- Adjustable deflector plate.
- Irrigation area control system by adjustment of rotating clips.
- Adjustable jet breaker diffuser pin.
- This sprinkler is strong and durable enough to work for many years in urban gardens in tough conditions, caused by vandalism and impact from maintenance equipment.

TECHNICAL SPECIFICATIONS:

- Range distance: 9 - 14 m / 26 - 46 ft
- Flow: 240 - 1,440 l/h / 63 - 380 GPH
- Working pressure: 1 - 4 BAR / 4 - 58 PSI
- Area: Full or part circle.
- Nozzles: A single-jet nozzle.
- Trajectory angles: 28°
- Maximum stream height: 7 m / 23 ft
- Rotation time: 360° between 25 and 40 seconds.
- Uniformity coefficient higher than 90% in areas of 10x10R, 12x12T and 12x13T m / 33x33R, 40x40T, 40x43T ft.

APPLICATIONS:

- Public and private gardens.
- Horticultural plantations, floriculture and fruit trees.

MEASUREMENTS:

- Height: 13 cm / 4,3 in
- Width: 12 cm / 15,1 in
- Weight: 220 g / 0,53 Lbs
- Units per box: 100

OPTIONS:

- Special design with a threaded shaft for fitting to the pop-up head VYR-961.
- Self-compensating flow control valves of 1.5 and 2 BAR
- Assembled as a "complete support kit" on a 1.3 or 0.7 m galvanized stake with microtube and connectors.
- Assembled as a "complete support kit" on a brass, aluminium or plastic spike.
- Assembled as a "complete support kit" on an aluminium base.

MODELS:

Ref. 005001: Circular sprinkler. Deflector.

Ref. 005002: Circular sprinkler. Pop-up. Special design for fitting to the VYR-961 casing.

Ref. 005004: Full/part circle. Deflector.

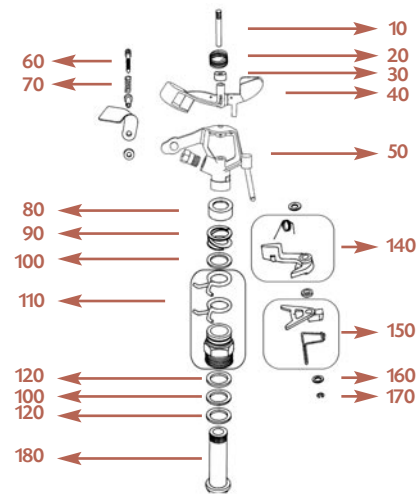
Ref. 005005: Full/part circle. Pop-up. Especially for fitting to the VYR-961 casing.

TABLES & PARTS

Technical guidance table VYR-50

| BOQUILLA NOZZLE | Espaciamiento (m) / Precipitación (mm/h) Spacing (ft) / Precipit. rate (in/h) | | | | | | |
|--------------------|--|--------------|------------------|---------------|--------------------|--------------------|--------------------|
| | BAR PSI | 9x9 30x30 | 9x9 T 30x30 T | 9x10 33x33 | 10x10 T 33x33 T | 10x12 T 33x39 T | 12x12 T 39x39 T |
| 3,6 mm 9/64" | 2,5 | 9,7 | 9,0 | 7,6 | 7,3 | 6,6 | 5,5 |
| | 36 | 0,38 | 0,35 | 0,31 | 0,28 | 0,21 | 0,20 |
| | 3 | 10,6 | 9,8 | 8,3 | 8,0 | 7,2 | 6,0 |
| 4 mm 5/32" | 44 | 0,41 | 0,38 | 0,33 | 0,31 | 0,23 | 0,21 |
| | 3,5 | 11,5 | 10,6 | 8,9 | 8,6 | 7,8 | 6,5 |
| | 5 | 0,44 | 0,41 | 0,36 | 0,33 | 0,25 | 0,23 |
| 4,4 mm 11/64" | 2,5 | 12,0 | 11,1 | 9,3 | 9,0 | 8,1 | 6,8 |
| | 36 | 0,46 | 0,43 | 0,38 | 0,35 | 0,26 | 0,24 |
| | 3 | 13,1 | 12,1 | 10,2 | 9,8 | 8,9 | 7,4 |
| 4,4 mm 11/64" | 44 | 0,51 | 0,47 | 0,41 | 0,38 | 0,28 | 0,26 |
| | 3,5 | 14,2 | 13,1 | 11,0 | 10,6 | 9,6 | 8,0 |
| | 5 | 0,55 | 0,51 | 0,44 | 0,41 | 0,30 | 0,29 |
| 4,4 mm 11/64" | 2,5 | 14,5 | 13,4 | 11,3 | 10,9 | 9,8 | 8,2 |
| | 36 | 0,56 | 0,52 | 0,46 | 0,42 | 0,31 | 0,29 |
| | 3 | 15,9 | 14,7 | 12,4 | 11,9 | 10,7 | 8,9 |
| 4,4 mm 11/64" | 44 | 0,62 | 0,57 | 0,50 | 0,46 | 0,34 | 0,32 |
| | 3,5 | 17,2 | 15,9 | 13,4 | 12,8 | 11,6 | 9,7 |
| | 5 | 0,67 | 0,6 | 0,54 | 0,50 | 0,37 | 0,35 |

T: Triang. CU < 85% CU 85-88% CU 88-92% CU > 92%



Performance nozzle tables VYR 50

| BOQUILLA NOZZLE | 2,4 mm 3/32" | | 2,8 mm 7/64" | | 3 mm 1/8" | | 3,2 mm 17/128" | | 3,5 mm 9/64" | | 4 mm 5/32" | | 4,4 mm 11/64" | |
|--------------------|-----------------|-------------|-----------------|-------------|--------------|-------------|-------------------|-------------|-----------------|-------------|---------------|-------------|------------------|-------------|
| BAR PSI | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft |
| 1 | 240 | 18 | 310 | 19 | 360 | 19 | 400 | 20 | 480 | 20 | 620 | 21 | 760 | 22 |
| 15 | 63 | 59 | 82 | 62 | 95 | 62 | 106 | 66 | 127 | 66 | 164 | 69 | 201 | 72 |
| 1,5 | 300 | 19 | 370 | 19 | 440 | 20 | 480 | 21 | 570 | 21 | 750 | 22 | 910 | 23 |
| 22 | 79 | 62 | 98 | 62 | 116 | 66 | 127 | 69 | 150 | 69 | 198 | 72 | 240 | 75 |
| 2 | 340 | 20 | 420 | 20 | 500 | 21 | 550 | 21 | 660 | 22 | 850 | 23 | 1030 | 24 |
| 29 | 90 | 66 | 111 | 66 | 132 | 69 | 145 | 69 | 174 | 72 | 224 | 75 | 272 | 79 |
| 2,5 | 380 | 21 | 470 | 21 | 560 | 22 | 600 | 22 | 730 | 23 | 950 | 24 | 1150 | 25 |
| 36 | 100 | 69 | 124 | 69 | 148 | 72 | 158 | 72 | 193 | 75 | 251 | 79 | 304 | 82 |
| 3 | 410 | 22 | 520 | 22 | 610 | 23 | 660 | 23 | 800 | 23 | 1040 | 24 | 1270 | 25 |
| 44 | 108 | 72 | 137 | 72 | 161 | 75 | 174 | 75 | 211 | 75 | 275 | 79 | 335 | 82 |
| 3,5 | 450 | 23 | 560 | 23 | 650 | 23 | 710 | 23 | 860 | 24 | 1100 | 25 | 1350 | 26 |
| 5 | 119 | 75 | 148 | 75 | 172 | 75 | 187 | 75 | 227 | 79 | 290 | 82 | 356 | 85 |
| 4 | 480 | 24 | 600 | 24 | 690 | 24 | 760 | 24 | 910 | 25 | 1180 | 26 | 1440 | 27 |
| 58 | 127 | 79 | 158 | 79 | 182 | 79 | 201 | 79 | 240 | 82 | 312 | 85 | 380 | 89 |

Standard Ø: Diameter range

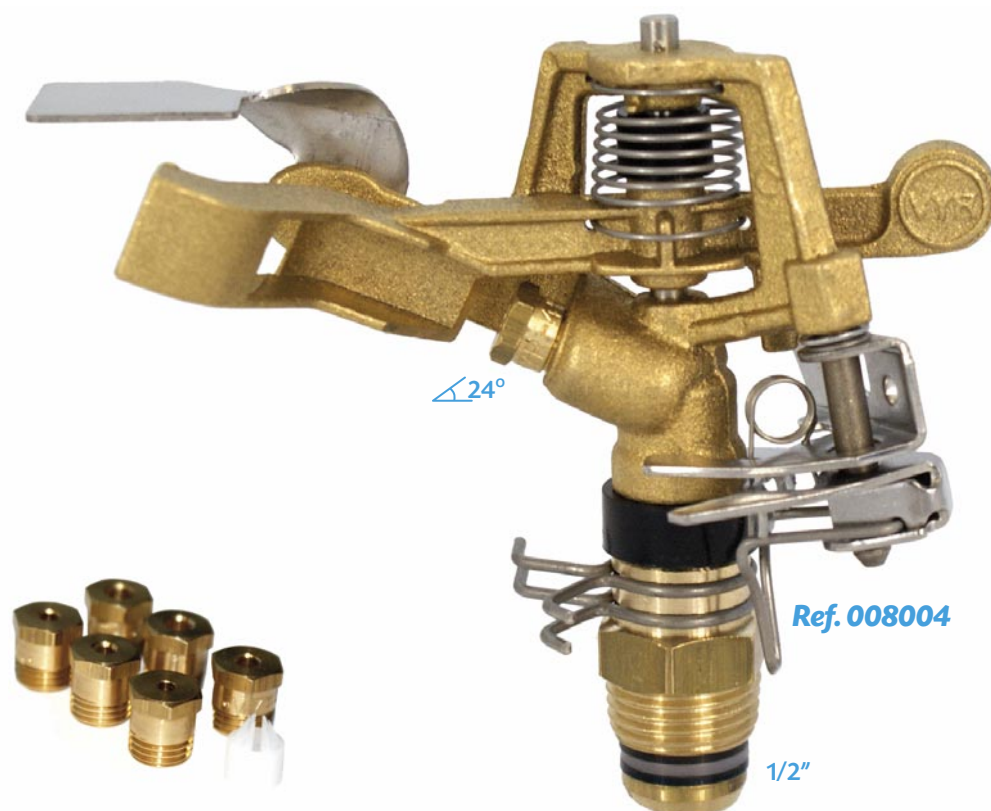
Solamente para aspersores circulares.
Only for full circle series.



- For optimum distribution avoid use in shady areas.
- Sprinklers will be supplied with standard nozzles unless otherwise specified.
- In order to calculate the flow, add the flows of the two nozzles. The range of the rear nozzle must be less than that of the main nozzle.
- These results have been obtained at indoor laboratory with 0 m/sec wind velocity. Outdoor results may change range distances.



VYR-80



VYR-80 · Impact Overhead Sprinklers

GENERAL PROPERTIES:

- Riser-mounted impact sprinkler for gardening, agriculture, flower growing and greenhouses.
- 1/2" male connection.
- Made of brass and stainless steel.
- High-resistance rotating joints.
- Arm with anti-splash design.
- Adjustable deflector plate.
- Irrigation area system controlled by rotating clips.
- Adjustable jet breaker diffuser pin.
- This sprinkler is strong and durable enough to work for many years in urban gardens in tough conditions, caused by vandalism and impact from maintenance equipment.

TECHNICAL SPECIFICATIONS:

- Range distance: 9 - 14 m / 29 - 46 ft
- Flow: 460 - 1180 l/h / 121 - 312 GPH
- Working pressure: 1.5 - 4 BAR / 22 - 58 PSI
- Area: Full or part circle.
- Nozzles: A multi-jet nozzle.
- Trajectory angles: 24°
- Maximum stream height: 2,6 m / 9 ft
- Rotation time: 360° between 25 and 40 seconds.
- Uniformity coefficient higher than 90% in areas of 11x11R, 12x12T and 12x13T m / 36x36R, 39x39T, 39x43T ft.

APPLICATIONS:

- Public and private gardens.
- Horticultural plantations, floriculture and fruit trees.

MEASUREMENTS:

- Height: 14 cm / 4,3 in
- Width: 12 cm / 5,1 in
- Weight: 266 g / 0,6 Lbs
- Units per box: 75

OPTIONS:

- Special design with a threaded shaft for fitting to the pop-up head VYR-961.
- Self-compensating flow control valves of 1.5 and 2 BAR / 22-29 PSI.
- Assembled as a "complete support kit" on a 1.3 or 0.7 m galvanized stake with microtube and connectors.
- Assembled as a "complete support kit" on a brass, aluminium or plastic spike.
- Assembled as a "complete support kit" on an aluminium base.

MODELS:

Ref. 008001: Full circle. Deflector.

Ref. 008002: Full circle. Special design for fitting to the VYR-961 pop-up sprinkler.

Ref. 008004: Full/part circle. Deflector.

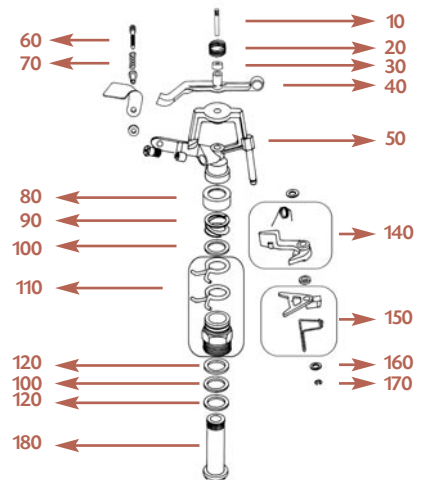
Ref. 008005: Full/part circle. Pop-up. Especially for fitting to the VYR-961 casing.

TABLES & PARTS

Technical guidance table VYR-80 AG

| BOQUILLA NOZZLE | Espaciamiento (m) / Precipitación (mm/h) Spacing (ft) / Precipit. rate (in/h) | | | | | | |
|--------------------|--|--------------|------------------|----------------|--------------------|----------------|--------------------|
| | BAR PSI | 9x9 30x30 | 9x9 T 30x30 T | 10x10 33x33 | 10x10 T 33x33 T | 10x12 33x39 | 12x12 T 39x39 T |
| 3 mm 1/8" | 2,5 | 7,7 | 7,4 | 6,3 | 5,3 | 4,6 | 3,5 |
| | 36 | 0,30 | 0,29 | 0,25 | 0,21 | 0,18 | 0,14 |
| | 3 | 8,2 | 7,8 | 6,6 | 6 | 5,2 | 4 |
| | 44 | 0,32 | 0,31 | 0,26 | 0,24 | 0,20 | 0,16 |
| 3,5 mm 9/64" | 3,5 | 8,9 | 8,4 | 7,9 | 7,6 | 6,8 | 5,5 |
| | 51 | 0,35 | 0,33 | 0,31 | 0,30 | 0,27 | 0,22 |
| | 2,5 | 9,7 | 9 | 7,6 | 7,3 | 6,6 | 5,5 |
| | 36 | 0,38 | 0,35 | 0,30 | 0,29 | 0,26 | 0,22 |
| 4 mm 5/32" | 3 | 10,6 | 9,8 | 8,3 | 8 | 7,2 | 6 |
| | 44 | 0,42 | 0,39 | 0,33 | 0,31 | 0,28 | 0,24 |
| | 3,5 | 11,5 | 10,6 | 8,9 | 8,6 | 7,8 | 6,5 |
| | 5 | 0,45 | 0,42 | 0,35 | 0,34 | 0,31 | 0,26 |
| 4 mm 5/32" | 2,5 | 12 | 11,1 | 9,3 | 9 | 8,1 | 6,8 |
| | 36 | 0,47 | 0,44 | 0,37 | 0,35 | 0,32 | 0,27 |
| | 3 | 13,1 | 12,1 | 10,2 | 9,8 | 8,9 | 7,4 |
| | 44 | 0,52 | 0,48 | 0,40 | 0,39 | 0,35 | 0,29 |
| 5 | 3,5 | 14,2 | 13,1 | 11 | 10,6 | 9,6 | 8 |
| | 5 | 0,56 | 0,52 | 0,43 | 0,42 | 0,38 | 0,31 |



T: Triang. CU < 85% CU 85-88% CU 88-92% CU > 92%



Performance nozzle tables VYR-80

| BOQUILLA NOZZLE | 3 mm 1/8" | | 3,5 mm 9/64" | | 4 mm 5/32" | |
|--------------------|--------------|-------------|-----------------|-------------|---------------|-------------|
| BAR PSI | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft |
| 1,5 | 450 | 20 | 580 | 21 | 730 | 22 |
| 22 | 119 | 66 | 153 | 69 | 193 | 72 |
| 2 | 510 | 21 | 660 | 22 | 850 | 23 |
| 29 | 135 | 69 | 174 | 72 | 224 | 75 |
| 2,5 | 550 | 22 | 740 | 23 | 950 | 24 |
| 36 | 145 | 72 | 195 | 75 | 251 | 79 |
| 3 | 630 | 23 | 810 | 23 | 1030 | 24 |
| 44 | 166 | 75 | 214 | 75 | 272 | 79 |
| 3,5 | 680 | 23 | 870 | 24 | 1110 | 25 |
| 51 | 180 | 75 | 230 | 79 | 293 | 82 |
| 4 | 720 | 24 | 930 | 25 | 1180 | 26 |
| 58 | 190 | 79 | 246 | 82 | 312 | 85 |

Solamente para aspersores circulares.
Only for full circle series.

 Standard  Diameter range



- For optimum distribution avoid use in shady areas.
- Sprinklers will be supplied with standard nozzles unless otherwise specified.
- In order to calculate the flow, add the flows of the two nozzles. The range of the rear nozzle must be less than that of the main nozzle.
- These results has been obtained at indoor laboratory with 0 m/seg win velocity. Outdoor results may change range distances.



VYR-802 AG



Ref. 008020



Ref. 00823



Ref. 008021

VYR-802 AG · Impact Overhead Sprinklers

GENERAL PROPERTIES:

- Riser-mounted impact sprinkler for gardening, agriculture, flower growing and greenhouses.
- 1/2" male connection.
- Made of plastic, brass and stainless steel.
- High-resistance rotating joints.
- Arm with anti-splash design.
- Adjustable deflector plate.
- Irrigation area system controlled by rotating clips.
- Adjustable jet breaker diffuser pin.
- Its versatility and adaptability to all type of gardens make this model one of most common for home gardening.
- This model is also used in low flow agricultural irrigation systems as a complementary part-circle model to VYR-26 and VYR-16.

TECHNICAL SPECIFICATIONS:

- Reach: 10 - 13 m / 33-43 ft
- Flow: 460 - 1180 l/h / 20 - 310 GPH
- Working pressure: 1.5 - 4 BAR / 22 - 58 PSI
- Area: Full or part circle.
- Nozzles: A multi-jet nozzle.
- Trajectory angles: 25°
- Maximum stream height: 2 m / 6,6 ft
- Rotation time: 360° between 25 and 40 seconds.
- Uniformity coefficient higher than 90% in areas of 10x10R, 12x12T and 12x13T m / 33x33R, 39x39T, 39x43T ft.

APPLICATIONS:

- Public and private gardens.
- Horticultural plantations, floriculture and fruit trees.

MEASUREMENTS:

- Height: 12 cm / 4,7 in
- Width: 11 cm / 4,3 in
- Weight: 80 g / 0,2 Lbs
- Units per box: 150

OPTIONS:

- Available with a brass arm for faster and more consistent rotation (in areas with strong winds).
- Special design with a threaded shaft for fitting to the pop-up head VYR-961.
- Self-compensating flow control valves of 1.5 and 2 BAR/ 22 and 29 PSI.
- Assembled as a "complete support kit" on a 1.3 or 0.7 m galvanized stake with microtube and connectors.
- Assembled as a "complete support kit" on a brass, aluminium or plastic spike.
- Assembled as a "complete support kit" on an aluminium base.

MODELS:

Ref. 008020: Plastic arm.

Ref. 008021: Brass arm.

Ref. 008023: Circular with plastic arm.

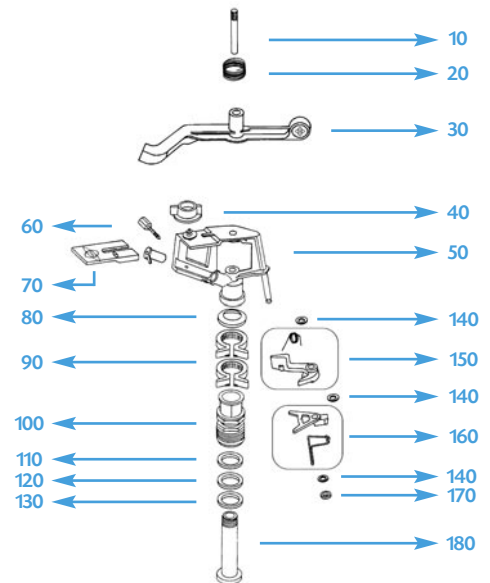


TABLES & PARTS

Technical guidance table VYR-802

| BOQUILLA NOZZLE | Espaciamiento (m) / Precipitación (mm/h) Spacing (ft) / Precipit. rate (in/h) | | | | | | |
|--------------------|--|--------------|------------------|-------------------|--------------------|----------------|----------------|
| | BAR PSI | 9x9 30x30 | 9x9 T 30x30 T | 9x10 T 33x33 T | 10x10 T 33x33 T | 10x12 33x39 | 12x12 39x39 |
| 3 mm 1/8" | 2,5 | 6,7 | 6 | 4,6 | 4,3 | 4,1 | 3,5 |
| | 36 | 0,26 | 0,24 | 0,18 | 0,17 | 0,16 | 0,14 |
| | 3 | 7,6 | 6,8 | 5,3 | 5 | 4,7 | 4 |
| | 44 | 0,30 | 0,27 | 0,21 | 0,20 | 0,19 | 0,16 |
| 3,5 mm 9/64" | 3,5 | 8,5 | 7,6 | 5,9 | 5,6 | 5,3 | 4,5 |
| | 51 | 0,33 | 0,30 | 0,23 | 0,22 | 0,21 | 0,18 |
| | 2,5 | 9 | 8,1 | 6,3 | 6 | 5,6 | 4,8 |
| | 36 | 0,35 | 0,32 | 0,25 | 0,24 | 0,22 | 0,19 |
| 4 mm 5/32" | 3 | 10,1 | 9,1 | 7,2 | 6,8 | 6,4 | 5,4 |
| | 44 | 0,40 | 0,36 | 0,28 | 0,27 | 0,25 | 0,21 |
| | 3,5 | 11,2 | 10,1 | 8 | 7,6 | 7,1 | 6 |
| | 51 | 0,44 | 0,40 | 0,31 | 0,30 | 0,28 | 0,24 |
| 4 mm 5/32" | 2,5 | 11,5 | 10,4 | 8,3 | 7,9 | 7,3 | 6,2 |
| | 36 | 0,45 | 0,41 | 0,33 | 0,31 | 0,29 | 0,24 |
| | 3 | 12,9 | 11,7 | 9,4 | 8,9 | 8,2 | 6,9 |
| | 44 | 0,51 | 0,46 | 0,37 | 0,35 | 0,32 | 0,27 |
| 4 mm 5/32" | 3,5 | 14,2 | 12,9 | 10,4 | 9,8 | 9,1 | 7,7 |
| | 51 | 0,56 | 0,51 | 0,41 | 0,39 | 0,36 | 0,30 |

T: Triang. CU < 85% CU 85-88% CU 88-92% CU > 92%

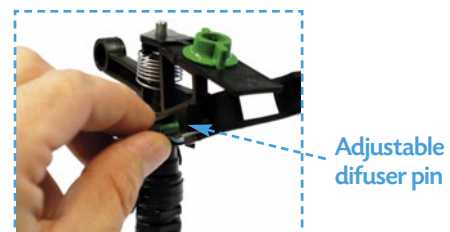
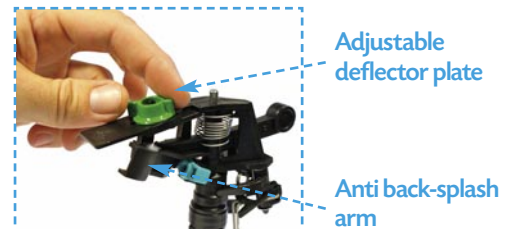


Performance nozzle tables VYR 802

| BOQUILLA NOZZLE | 3 mm 1/8" | | 3,5 mm 9/64" | | 4 mm 5/32" | |
|--------------------|--------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | BAR PSI | L/H GPH Ø m Ø ft | L/H GPH Ø m Ø ft | L/H GPH Ø m Ø ft | L/H GPH Ø m Ø ft | L/H GPH Ø m Ø ft |
| 1,5 | 450 | 20 | 580 | 21 | 730 | 22 |
| 22 | 119 | 66 | 153 | 69 | 193 | 72 |
| 2 | 510 | 21 | 660 | 22 | 850 | 23 |
| 29 | 135 | 69 | 174 | 72 | 225 | 75 |
| 2,5 | 550 | 22 | 740 | 23 | 950 | 24 |
| 36 | 145 | 72 | 195 | 75 | 251 | 79 |
| 3 | 630 | 23 | 810 | 23 | 1030 | 24 |
| 44 | 166 | 75 | 214 | 75 | 272 | 79 |
| 3,5 | 680 | 23 | 870 | 24 | 1110 | 25 |
| 51 | 180 | 75 | 230 | 79 | 293 | 82 |
| 4 | 720 | 24 | 930 | 25 | 1180 | 26 |
| 58 | 190 | 79 | 246 | 82 | 312 | 85 |

Standard Ø: Diameter range

Solamente para aspersores circulares.
Only for full circle series.



- Sprinklers will be supplied with standard nozzles unless otherwise specified.
- In order to calculate the flow, add the flows of the two nozzles. The range of the rear nozzle must be less than that of the main nozzle.
- These results have been obtained at indoor laboratory with 0 m/sec wind velocity. Outdoor results may change range distances.



VYR-803 Colibrí



VYR-803 COLIBRÍ · Impact Overhead Sprinklers

GENERAL PROPERTIES:

- Riser-mounted impact sprinkler for gardening, horticulture, agriculture, floriculture and greenhouses.
- 1/2" male connection.
- Made of plastic and stainless steel.
- High-resistance rotating joints.
- Arm with anti-splash design.
- Spring tension regulation system.
- Upper "clip" for positioning inside a casing (VYR-962 AQUA-PRO).
- Adjustable diffuser pin.
- Irrigation area system controlled by rotating clips.
- Adjustable jet breaker diffuser pin.
- Its versatility and adaptability to all types of gardens make this model one of most common for home gardening.
- This model is also used in low flow agricultural irrigation systems as a complementary part-circle model to VYR-26 and VYR-16.

TECHNICAL SPECIFICATIONS:

- Reach: 10 - 13 m / 33-43 ft
- Flow: 460 - 1180 l/h / 120-310 GPH
- Working pressure: 1.5 - 4 BAR / 22-58 PSI
- Area: Full or part circle.
- Nozzles: A multi-jet nozzle.
- Trajectory angles: 25°
- Maximum stream height: 2 m / 6,6 ft
- Rotation time: 360° between 25 and 40 seconds.
- Uniformity coefficient higher than 90% in areas of 10x10R, 12x12T and 12x13T m / 33x33R, 39x39T, 39x43T ft.

APPLICATIONS:

- Public and private gardens.
- Horticultural plantations, floriculture and fruit trees.

MEASUREMENTS:

- Height: 12 cm / 4,7 in
- Width: 9 cm / 3,5 in
- Weight: 70 g / 0,15 Lbs
- Units per box: 100

OPTIONS:

- "Compact" Model with quick connection on a 130 cm or 70 cm stake.
- Special design with a threaded shaft for fitting to the pop-up head VYR-961.
- Self-compensating flow control valves of 1.5 and 2 BAR / 22-29 PSI.
- Assembled as a "complete support kit" on a 1.3 or 0.7 m galvanized stake with microtube and connectors.
- Assembled as a "complete support kit" on a brass, aluminium or plastic spike.
- Assembled as a "complete support kit" on an aluminium base.

MODELS:

Ref. 008030: Standard.

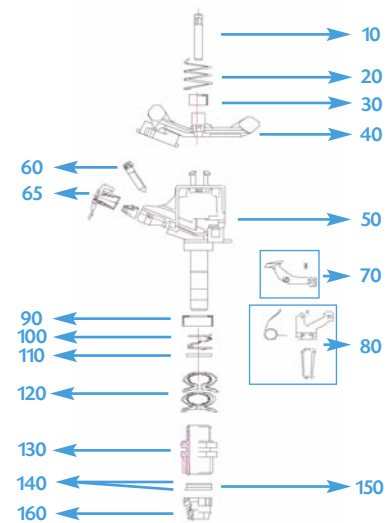
Ref. 008031: Compact.

TABLES & PARTS

Technical guidance table VYR-803

| BOQUILLA NOZZLE | Espaciamiento (m) / Precipitación (mm/h) Spacing (ft) / Precipit. rate (in/h) | | | | | | |
|--------------------|--|--------------|------------------|-------------------|----------------|----------------|----------------|
| | BAR PSI | 9x9 30x30 | 9x9 T 30x30 T | 9x10 T 30x33 T | 10x10 33x33 | 10x12 33x39 | 12x12 39x39 |
| 3 mm 1/8" | 2,5 | 6 | 5,6 | 4,7 | 4,9 | 4,1 | 3,4 |
| | 36 | 0,24 | 0,22 | 0,19 | 0,19 | 0,16 | 0,13 |
| | 3 | 6,8 | 6,2 | 5,3 | 5,5 | 4,6 | 3,8 |
| | 44 | 0,27 | 0,24 | 0,21 | 0,22 | 0,18 | 0,15 |
| 3,5 mm 9/64" | 3,5 | 7,4 | 6,8 | 5,8 | 6 | 5 | 4,2 |
| | 51 | 0,29 | 0,27 | 0,23 | 0,24 | 0,20 | 0,17 |
| | 2,5 | 8,7 | 8 | 6,8 | 7 | 5,9 | 4,9 |
| | 36 | 0,34 | 0,31 | 0,27 | 0,28 | 0,23 | 0,19 |
| 4 mm 5/32" | 3 | 9,7 | 9 | 7,6 | 7,9 | 6,6 | 5,5 |
| | 44 | 0,38 | 0,35 | 0,30 | 0,31 | 0,26 | 0,22 |
| | 3,5 | 10,6 | 9,8 | 8,3 | 8,6 | 7,2 | 6 |
| | 51 | 0,42 | 0,39 | 0,33 | 0,34 | 0,28 | 0,24 |
| 4 mm 5/32" | 2,5 | 10,7 | 9,9 | 8,3 | 8,7 | 7,2 | 6 |
| | 36 | 0,42 | 0,39 | 0,33 | 0,34 | 0,28 | 0,24 |
| | 3 | 12 | 11,1 | 9,3 | 9,7 | 8,1 | 6,8 |
| | 44 | 0,47 | 0,44 | 0,37 | 0,38 | 0,32 | 0,27 |
| 51 | 3,5 | 13,1 | 12,1 | 10,2 | 10,6 | 8,9 | 7,4 |
| | 51 | 0,52 | 0,48 | 0,40 | 0,42 | 0,35 | 0,29 |

T: Triang. CU < 85% CU 85-88% CU 88-92% CU > 92%



Performance nozzle tables VYR-803

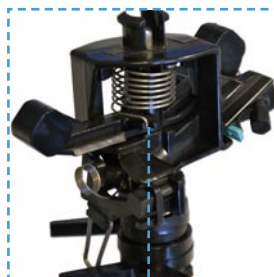
| BOQUILLA NOZZLE | 3 mm 1/8" | | 3,5 mm 9/64" | | 4 mm 5/32" | |
|--------------------|--------------|-------------|-----------------|-------------|---------------|-------------|
| BAR PSI | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft |
| 2 | 360 | 17 | 540 | 21 | 684 | 23 |
| 29 | 95 | 56 | 143 | 69 | 181 | 75 |
| 2,5 | 468 | 23 | 612 | 24 | 756 | 25 |
| 36 | 124 | 75 | 162 | 79 | 200 | 82 |
| 3 | 504 | 23 | 684 | 24 | 828 | 25 |
| 44 | 133 | 75 | 181 | 79 | 219 | 82 |
| 3,5 | 540 | 24 | 720 | 25 | 900 | 26 |
| 51 | 143 | 79 | 190 | 82 | 238 | 85 |
| 4 | 576 | 24 | 792 | 25 | 936 | 26 |
| 58 | 152 | 79 | 209 | 82 | 247 | 85 |

Standard Ø: Diameter range

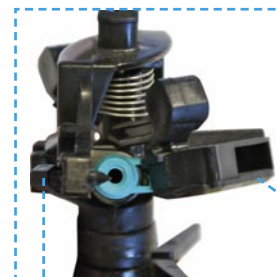
- For optimum distribution avoid use in shady areas.
- Sprinklers will be supplied with standard nozzles unless otherwise specified.
- In order to calculate the flow, add the flows of the two nozzles. The range of the rear nozzle must be less than that of the main nozzle.
- These results has been obtained at indoor laboratory with 0 m/seg win velocity. Outdoor results may change range distances.



Easy part-circle
adjustment



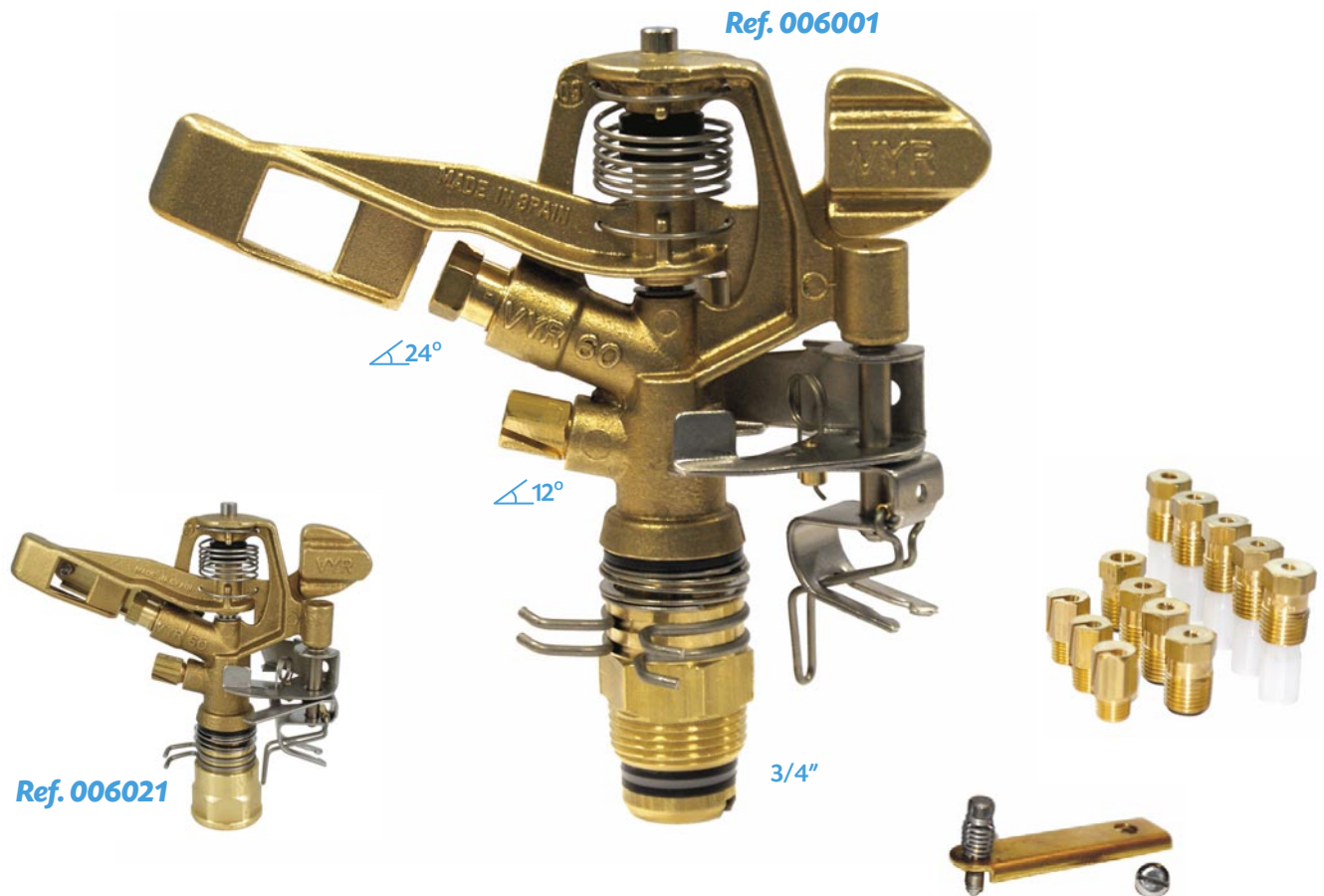
3 positions for the spring
tension-speed selection



Diffuser pin

Antiback-splash
arm

VYR-60



VYR-60 · Part circle AG

GENERAL PROPERTIES:

- Part circle impact sprinkler, medium flow.
- 3/4" male or female connection.
- Made of brass and stainless steel.
- High-resistance rotating joints.
- Nozzle angles of 24° and 12°
- Part circle mechanical system using clips that are very easy and quick to adjust.
- Used in full coverage irrigation with medium flow to cover the side and corner areas.

TECHNICAL SPECIFICATIONS:

- Reach: 12 - 19 m / 39-62 ft
- Flow: 800 - 3270 l/h / 210 - 860 GPH
- Working pressure: 1.75 - 5 BAR / 25 - 72 PSI
- Area: Part or full circle.
- Nozzles: One main long reach nozzle and a secondary short reach nozzle.
- Trajectory angles: 24° and 12°
- Maximum stream height: 3.8 m / 12 ft
- Rotation time: Depending on the pressure and the nozzles, the rotation will be constant and continuous.
- Uniformity coefficient higher than 90% in areas of 15x18R, 18x18T and 18x20T m / 60x60R, 50x60T, 60x60T ft.

APPLICATIONS:

- Horticultural plantations, cereals, tubers, leguminous plants and fruit trees.

MEASUREMENTS:

- Height: 16 cm / 6,3 in
- Width: 18 cm / 7,1 in
- Weight: 608 g / 1,35 Lbs
- Units per box: 25

OPTIONS:

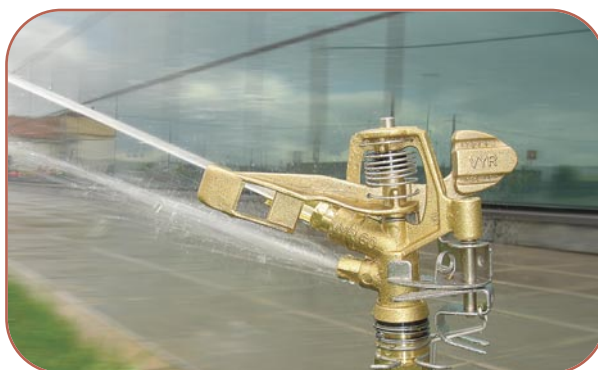
- Plate with diffuser pin for the main jet.
- Foldable tripod for mobile installation.

MODELS:

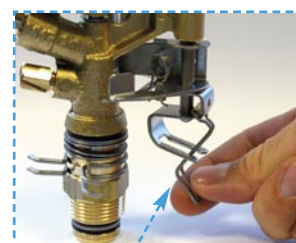
- Ref. 006001: Without diffuser pin. Male.
- Ref. 006003: With diffuser pin. Male.
- Ref. 006020: Without diffuser pin. Female.
- Ref. 006021: With diffuser pin. Female.
- Ref. 106000: Diffuser pin assembly.

Special mechanical and hydraulic design for energy saving and an optimal coverage coefficient.

The exploded view diagram illustrates the assembly of the microscope. Components are numbered 100 through 180. Red arrows indicate the assembly sequence, showing how parts are fitted together. Key components include the eyepiece (100), objective lenses (110, 120, 130, 140, 170, 160), the main body (170), the base (180), and various internal and external accessories like filters, caps, and the carrying case (175). The diagram is oriented vertically, with the base at the bottom and the eyepiece at the top.



| BOQUILLA NOZZLE | 3,2 mm 1/8" | | 3,6 mm 9/64" | | 4 mm 5/32" | | 4,4 mm 11/64" | | 4,8 mm 3/16" | | 5,2 mm 13/64" | | 5,6 mm 7/32" | |
|--------------------|----------------|-------------|-----------------|-------------|---------------|-------------|------------------|-------------|-----------------|-------------|------------------|-------------|-----------------|-------------|
| BAR PSI | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft |
| 2,5 36 | 620 164 | 26 85 | 790 209 | 26,5 87 | 970 256 | 27,5 90 | 1160 306 | 30 98 | 1390 367 | 32 105 | 1640 433 | 32,5 107 | 1720 454 | 34 112 |
| 3 44 | 680 180 | 26 85 | 860 227 | 26,5 87 | 1050 277 | 28 92 | 1270 335 | 30,5 100 | 1510 399 | 32 105 | 1790 473 | 33,5 110 | 1880 496 | 35 115 |
| 3,5 51 | 740 195 | 26,5 87 | 930 246 | 27 89 | 1140 301 | 29,5 97 | 1380 364 | 31,5 103 | 1640 433 | 33 108 | 1930 510 | 34,5 113 | 2140 565 | 36 118 |
| 4 58 | 790 209 | 26,5 87 | 1000 264 | 28 92 | 1220 322 | 29,5 97 | 1470 388 | 32 107 | 1750 462 | 34 112 | 2060 544 | 35,5 116 | 2240 591 | 37 121 |
| 4,5 65 | 840 222 | 27 89 | 1060 280 | 29 95 | 1290 341 | 30 98 | 1550 409 | 33,5 110 | 1860 491 | 35 115 | 2180 576 | 36 118 | 2410 636 | 38,5 126 |
| 5 73 | 880 232 | 27,5 90 | 1120 296 | 29,5 97 | 1360 359 | 30,5 100 | 1640 433 | 34 112 | 1960 517 | 36 118 | 2290 605 | 37,5 123 | 2520 665 | 39,5 130 |
| 5,5 80 | 930 246 | 28 92 | 1170 309 | 30 98 | 1430 378 | 31 102 | 1720 454 | 35 115 | 2060 544 | 36,5 120 | 2380 628 | 38 125 | 2640 697 | 40 133 |



Sencillo desbloqueo del sector de riego



(Sprinkler at 1m height)

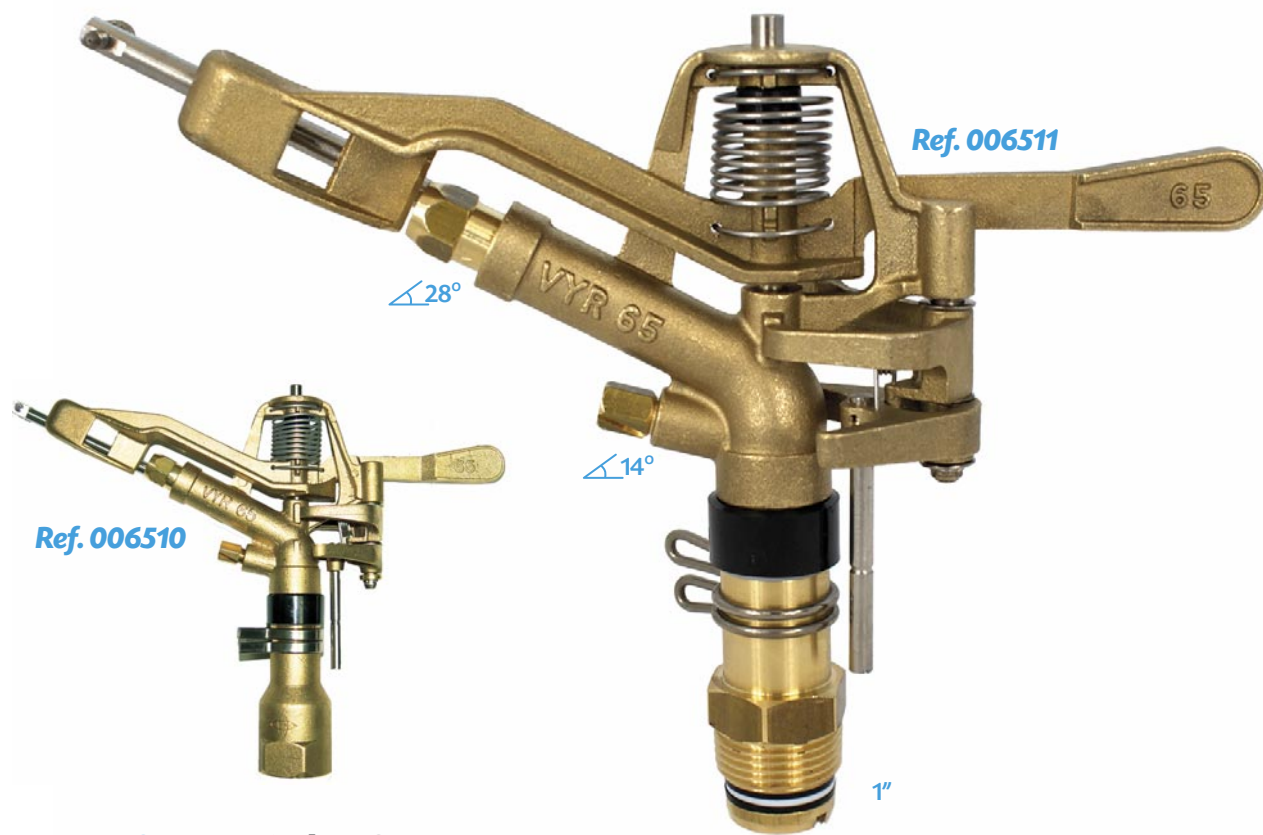
| BOQUILLA NOZZLE | 3,2 x 2,4 mm 1/8 x 3/32" | | 3,6 x 2,4 mm 9/64 x 3/32" | | 4 x 2,4 mm 5/32 x 3/32" | | 4,4 x 2,4 mm 11/64 x 3/32" | | 4,4 x 2,8 mm 11/64 x 7/64" | | 4,8 x 2,8 mm 3/16 x 7/64" | | 4,8 x 3,2 mm 3/16 x 1/8" | | 5,2 x 3,2 mm 13/64 x 1/8" | | 5,6 x 3,2 mm 7/32 x 1/8" | |
|--------------------|-----------------------------|-------------|------------------------------|-------------|----------------------------|-------------|-------------------------------|-------------|-------------------------------|-------------|------------------------------|-------------|-----------------------------|-------------|------------------------------|-------------|-----------------------------|-------------|
| BAR PSI | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft |
| 2,5 36 | 980 259 | 26 85 | 1150 304 | 26,5 87 | 1320 349 | 27,5 90 | 1520 402 | 30 98 | 1730 457 | 30 98 | 1895 501 | 32 105 | 2050 542 | 32 105 | 2310 610 | 32,5 107 | 2460 650 | 34 112 |
| 3 44 | 1070 283 | 26 85 | 1250 320 | 26,5 87 | 1450 383 | 28 92 | 1670 441 | 30,5 100 | 1800 476 | 30,5 100 | 2100 555 | 32 105 | 2240 592 | 32 105 | 2520 666 | 33,5 110 | 2730 721 | 35 115 |
| 3,5 51 | 1160 306 | 26,5 87 | 1350 357 | 27 89 | 1560 412 | 29,5 97 | 1800 476 | 31,5 103 | 1915 506 | 31,5 103 | 2255 596 | 33 108 | 2420 639 | 33 108 | 2720 719 | 34,5 113 | 2915 770 | 36 115 |
| 4 58 | 1240 328 | 26,5 87 | 1450 383 | 28 92 | 1670 441 | 29,5 97 | 1920 507 | 32,5 107 | 2070 547 | 32,5 107 | 2400 634 | 34 112 | 2590 684 | 34 112 | 2910 769 | 35,5 116 | 3035 802 | 37 121 |
| 4,5 65 | 1320 349 | 27 89 | 1540 407 | 29 95 | 1770 468 | 30 98 | 2030 536 | 33,5 110 | 2165 572 | 33,5 110 | 2545 672 | 35 115 | 2750 726 | 35 115 | 3070 811 | 36 118 | 3170 837 | 38,5 126 |
| 5 73 | 1360 359 | 27,5 90 | 1620 428 | 29,5 97 | 1870 494 | 30,5 100 | 2140 565 | 34 112 | 2300 608 | 34 112 | 2680 708 | 36 118 | 2880 761 | 36 118 | 3230 853 | 37,5 123 | 3300 872 | 39,5 130 |
| 5,5 80 | 1460 386 | 28 92 | 1700 449 | 30 98 | 1960 518 | 31 102 | 2240 592 | 35 115 | 2400 634 | 35 115 | 2810 742 | 36,5 120 | 3010 795 | 36,5 120 | 3360 888 | 38 125 | 3430 906 | 40 130 |

: Standard \varnothing : Diameter range

(Sprinkler at 1m height)

- For optimum distribution avoid use in shady areas.
- Sprinklers will be supplied with standard nozzles unless otherwise specified.
- In order to calculate the flow, add the flows of the two nozzles. The range of the rear nozzle must be less than that of the main nozzle.
- These results has been obtained at indoor laboratory with 0 m/seg win velocity. Outdoor results may change range distances.

VYR-65 AG



VYR-65 AG · Part circle AG

GENERAL PROPERTIES:

- Part circle agricultural impact sprinkler; medium-high flow.
- 1" male or female connection.
- Made of brass and stainless steel.
- High-resistance rotating joints.
- Nozzle angles of 28° and 14°
- Part circle mechanical system using clips that are very easy and quick to adjust.
- Used in full coverage irrigation with medium-high flow to cover the side and corner areas.
- Special mechanical and hydraulic design for energy saving and an optimal coverage coefficient.

TECHNICAL SPECIFICATIONS:

- Reach: 16 - 24 m / 2,79 ft
- Flow: 2.240 - 7.840 l/h / 590 - 2.070 GPH
- Working pressure: 3.5 - 6 BAR / 50 - 87 PSI
- Area: Part or full circle.
- Nozzles: One main long reach nozzle and a secondary short reach nozzle.
- Trajectory angles: 28° and 14°
- Maximum stream height: 6 m / 19,7 ft
- Rotation time: Depending on the pressure and the nozzles, the rotation will be constant and continuous.
- Uniformity coefficient higher than 90% in areas of 24x24R, 25x25T and 25x26T m / 79x79R, 82x82T, 82x85T ft.

APPLICATIONS:

- Horticultural plantations, cereals, tubers, leguminous plants and fruit trees.

MEASUREMENTS:

- Height: 24 cm / 9,4 in
- Width: 25 cm / 9,8 in
- Weight: 1.420 g / 3,13 Lbs
- Units per box: 15

OPTIONS:

- Threads in BSP or NPT under demand.
- Rod with jet breaker diffuser pin for the main nozzle.
- Foldable tripod for mobile installation.
- This is one of the models which can be used in conjunction with our travelling sprinkler cart VYR-5300.

MODELS:

Ref. 006600: Without diffuser pin. 1" female.

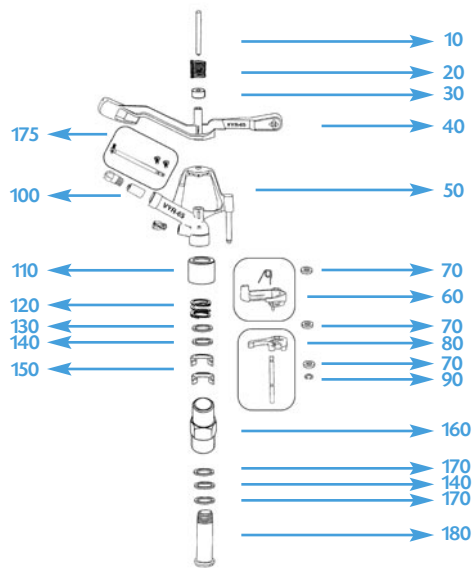
Ref. 006501: Without diffuser pin. 1" male.

Ref. 006510: With diffuser pin. 1" female.

Ref. 006511: With diffuser pin. 1" male.

Ref. 106500: Diffuser pin set.

TABLES & PARTS



Performance nozzle tables VYR-65

Long range nozzles (long vane) + plug

| BOQUILLA NOZZLE | 5,6 mm 7/32" | | 6,4 mm 1/4" | | 7,2 mm 9/32" | | 8,0 mm 5/16" | | 8,8 mm 11/32" | | 9,6 mm 3/8" | |
|--------------------|-----------------|-------------|----------------|-------------|-----------------|-------------|-----------------|-------------|------------------|-------------|----------------|-------------|
| BAR PSI | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft |
| 3,5 | 2370 | 42 | 3070 | 43 | 3730 | 44 | 4490 | 46 | 5335 | 46 | 6170 | 46 |
| 51 | 626 | 138 | 810 | 141 | 985 | 144 | 1185 | 151 | 1408 | 151 | 1629 | 151 |
| 4 | 2550 | 44 | 3300 | 44 | 4030 | 46 | 4850 | 48 | 5730 | 49 | 6650 | 49 |
| 58 | 673 | 144 | 871 | 144 | 1064 | 151 | 1280 | 157 | 1513 | 161 | 1756 | 161 |
| 4,5 | 2700 | 46 | 3515 | 46 | 4250 | 48 | 5150 | 50 | 6150 | 51 | 7020 | 52 |
| 65 | 713 | 151 | 928 | 151 | 1122 | 157 | 1360 | 164 | 1624 | 167 | 1853 | 171 |
| 5 | 2880 | 47 | 3690 | 48 | 4550 | 49 | 5450 | 52 | 6510 | 54 | 7470 | 55 |
| 73 | 760 | 154 | 974 | 157 | 1201 | 161 | 1439 | 171 | 1719 | 177 | 1972 | 180 |
| 5,5 | 3000 | 48 | 3900 | 50 | 4765 | 50 | 5700 | 54 | 6810 | 55 | 7835 | 57 |
| 80 | 792 | 157 | 1030 | 164 | 1258 | 164 | 1505 | 177 | 1798 | 180 | 2068 | 187 |



Easy part-circle
adjustment

Long range nozzles (long vane) + short range nozzle

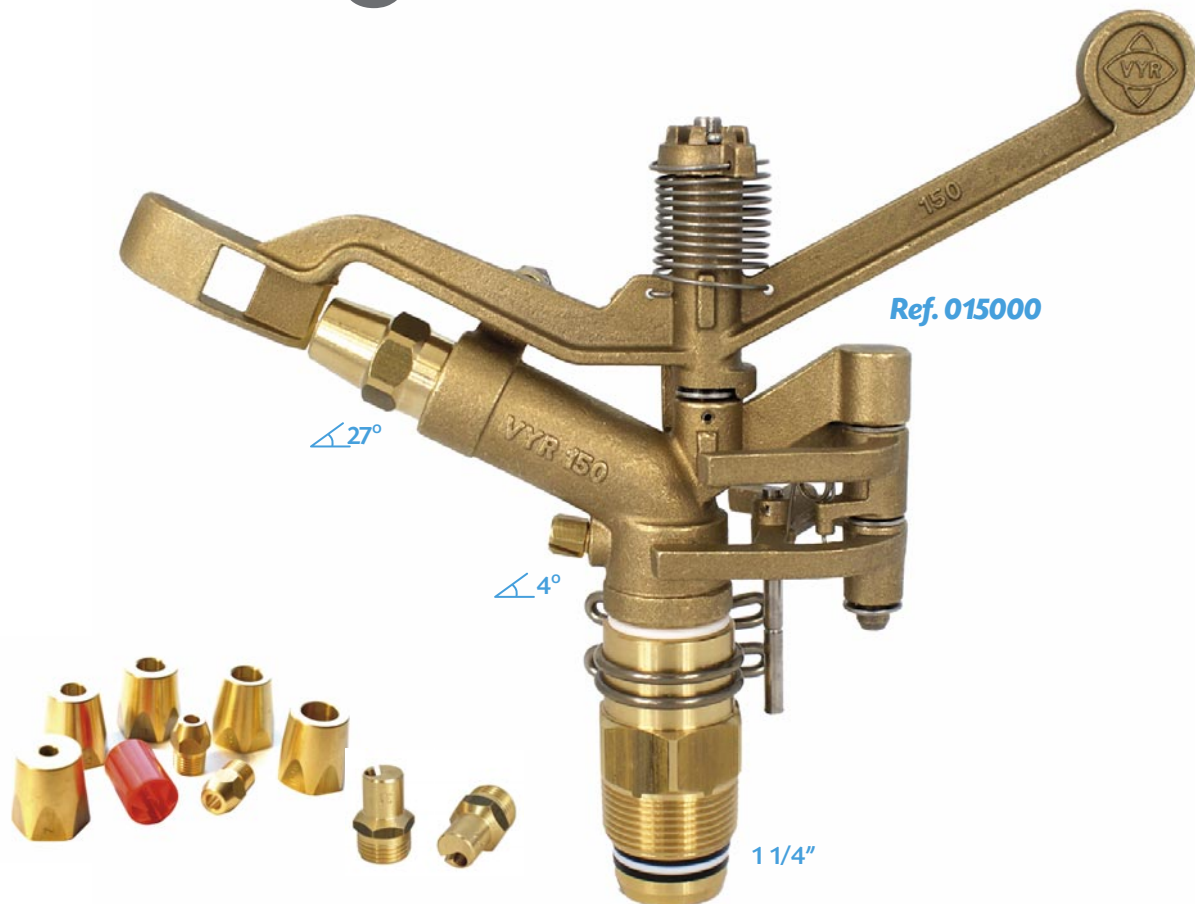
| BOQUILLA NOZZLE | 4,8 x 3,2 mm 3/16 x 1/8" | | 5,6 x 3,2 mm 7/32 x 1/8" | | 6,4 x 3,2 mm 1/4 x 1/8" | | 7,2 x 3,2 mm 9/32 x 1/8" | | 8,0 x 3,2 mm 5/16 x 1/8" | | 8,8 x 3,2 mm 11/32 x 1/8" | |
|--------------------|-----------------------------|-------------|-----------------------------|-------------|----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|------------------------------|-------------|
| BAR PSI | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft | L/H GPH | Ø m Ø ft |
| 3,5 | 2500 | 40 | 3050 | 42 | 3720 | 44 | 4430 | 46 | 6010 | 48 | 6755 | 50 |
| 51 | 660 | 131 | 805 | 138 | 982 | 144 | 1170 | 151 | 1587 | 157 | 1783 | 164 |
| 4 | 2735 | 41 | 3265 | 44 | 4045 | 46 | 4740 | 48 | 6400 | 51 | 7290 | 54 |
| 58 | 722 | 135 | 862 | 144 | 1068 | 151 | 1251 | 157 | 1690 | 167 | 1925 | 177 |
| 4,5 | 2870 | 42 | 3470 | 46 | 4260 | 48 | 5045 | 50 | 6840 | 54 | 7800 | 57 |
| 65 | 758 | 138 | 916 | 151 | 1125 | 157 | 1332 | 164 | 1806 | 177 | 2059 | 187 |
| 5 | 3030 | 43 | 3660 | 47 | 4500 | 49 | 5380 | 51 | 7260 | 56 | 8250 | 60 |
| 73 | 800 | 141 | 966 | 154 | 1188 | 161 | 1420 | 167 | 1917 | 184 | 2178 | 197 |
| 5,5 | 3175 | 44 | 3845 | 48 | 4740 | 50 | 5575 | 52 | 7650 | 57 | 8640 | 62 |
| 80 | 838 | 144 | 1015 | 157 | 1251 | 164 | 1472 | 171 | 2020 | 187 | 2281 | 203 |

Standard Ø: Diameter range



- For optimum distribution avoid use in shady areas.
- Sprinklers will be supplied with standard nozzles unless otherwise specified.
- In order to calculate the flow, add the flows of the two nozzles. The range of the rear nozzle must be less than that of the main nozzle.
- These results has been obtained at indoor laboratory with 0 m/seg win velocity. Outdoor results may change range distances.

VYR-150



VYR-150 · Part circle AG

GENERAL PROPERTIES:

- Part circle agricultural impact sprinkler; high flow.
- 1 1/4" male connection.
- Made of brass and stainless steel.
- High-resistance rotating joints.
- Nozzle angles of 27° and 4°
- Part circle mechanical system using clips that are very easy and quick to adjust.
- Used in full coverage irrigation with high flow to cover the side, corner and pivot point areas.
- Adjustable spring tension.

TECHNICAL SPECIFICATIONS:

- Reach: 25 - 37 m / 82 - 122 ft
- Flow: 6.200 - 28.000 l/h / 1.630 - 7.400 GPH
- Working pressure: 4 - 7 BAR / 58 - 101 PSI
- Area: Part or full circle.
- Nozzles: One main long reach nozzle and a secondary short reach nozzle.
- Trajectory angles: 27° and 4°
- Maximum stream height: 5.5 m / 18 ft
- Rotation time: Depending on the pressure and the nozzles, the rotation will be constant and continuous.
- Uniformity coefficient higher than 90% in areas of 37x37R, 37x37T and 37x39T m / 121x121R, 121x121T, 121x128T ft.

APPLICATIONS:

- Horticultural plantations, cereals, tubers, leguminous plants and fruit trees.
- Often used for Pivot points.

MEASUREMENTS:

- Height: 30 cm / 11,8 in
- Width: 36 cm / 14,2 in
- Weight: 2.430 g / 5,36 Lbs
- Units per box: 5

OPTIONS:

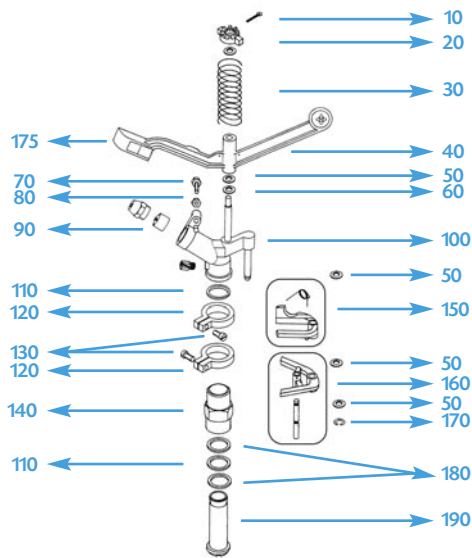
- Trípode plegable para instalación móvil.

MODELS:

- **Ref. 015000:** Standard male.

Special mechanical and hydraulic design for energy saving and an optimal coverage coefficient.

TABLES & PARTS



Performance nozzle tables VYR-150

Long range nozzles (long vane) + short range nozzle

| BOQUILLA NOZZLE | 9 x 3,2 mm 11/32 x 1/8" | 10 x 3,2 mm 13/32 x 1/8" | 11 x 3,2 mm 7/16 x 1/8" | 13 x 6,3 mm 1/2 x 2/8" | 14,5 x 6,3 mm 9/16 x 2/8" | 16 x 6,3 mm 5/8 x 2/8" |
|--------------------|----------------------------|-----------------------------|----------------------------|---------------------------|------------------------------|---------------------------|
| BAR PSI | L/H Ø m GPH Ø ft | L/H Ø m GPH Ø ft | L/H Ø m GPH Ø ft | L/H Ø m GPH Ø ft | L/H Ø m GPH Ø ft | L/H Ø m GPH Ø ft |
| 4 | 6200 50 | 7700 52 | 9400 54 | 14300 58 | 16300 60 | 20200 62 |
| 58 | 1637 164 | 2033 171 | 2482 177 | 3775 191 | 4303 197 | 5333 203 |
| 5 | 7000 52 | 8600 54 | 10600 56 | 16200 62 | 18300 64 | 23200 66 |
| 73 | 1848 171 | 2270 177 | 2798 184 | 4277 203 | 4831 210 | 6125 217 |
| 6 | 7800 54 | 9500 56 | 11700 58 | 18200 68 | 20000 69 | 25800 72 |
| 87 | 2059 177 | 2508 184 | 3089 190 | 4805 223 | 5280 226 | 6811 236 |
| 7 | 8500 56 | 10300 58 | 12600 60 | 19500 72 | 21500 73 | 28000 74 |
| 102 | 2244 184 | 2719 190 | 3326 197 | 5148 236 | 5676 240 | 7392 243 |

- For optimum distribution avoid use in shady areas.
- Sprinklers will be supplied with standard nozzles unless otherwise specified.
- In order to calculate the flow, add the flows of the two nozzles. The range of the rear nozzle must be less than that of the main nozzle.
- These results has been obtained at indoor laboratory with 0 m/seg win velocity. Outdoor results may change range distances.

 Standard  Diameter range



Easy part circle
adjustment



Drip

- VYR-8030 SOIL TECH-Drip.....Pg. 69
- Accesories and ConnectorsPg. 70
- VYR-9500 PRO LINE-Drippers.....Pg. 71



VYR-8030

Drip Pipes Soil-Tech

GENERAL PROPERTIES:

- Drip line for microirrigation with and without turbulent dripper has a contrasted history and efficiency for the surface localized irrigation installations, guaranteeing uniformity and maintaining the flow rate stability over time. the drip line is manufactured in Spain by extrusion process, integrating in such process the rounded dripper.
- Optimum hydraulic performance. Both the dripper and pipeline are completely cylindrical and keep a minimal hydraulic interaction with the flow rate.
- Integral dripline with emitter and/or pressure-compensating emitter in brown and black colour, diameter 16 and 2 liters.
- Brown or black microirrigation tube for 16 diameter.
- Water and energy savings working at low pressures.
- Landscape adaptation.
- Integrated system: installation costs reduction.
- Better irrigation control.



MODELS:

Ø 16mm BLIND PIPE

Ref. 707300: Brown coil of Ø16mm pipe of 100 m.

Ref. 707301: Black coil of Ø16mm pipe of 100 m.

Ø 16mm pipe with INTEGRATED DRPPER:

Ref. 707320: Brown coil of Ø16mm pipe w/Dripper, 35 cm spacing, of 100 m.

Ref. 707330: Brown coil of Ø16mm pipe w/Dripper, 50 cm spacing, of 100 m.

Ref. 707340: Black coil of Ø16mm pipe w/Dripper, 35 cm spacing, of 100 m.

Ref. 707350: Black coil of Ø16mm pipe w/Dripper, 50 cm spacing, of 100 m.

Ø 16mm INTEGRATED AUTO-COMPENSATED DRPPER:

Ref. 707360: Brown coil of Ø16mm pipe w/Auto-Compens. Dripper, 35 cm spacing, of 100 m.

Ref. 707361: Brown coil of Ø16mm pipe w/Auto-Compens. Dripper, 50 cm spacing, of 100 m.

Ref. 707362: Black coil of Ø16mm pipe w/Auto-Compens. Dripper, 35 cm spacing, of 100 m.

Ref. 707363: Black coil of Ø16mm pipe w/Auto-Compens. Dripper, 50 cm spacing, of 100 m.



Drip Accessories

THREADED & BARBED COUPLING · Fittings, couplings and connections

GENERAL PROPERTIES:

- Maximum safety in a single piece.
- Labour saving.
- Saving on installation costs.
- Quick installation.
- It allows the mechanical extension and collection of the dripline.
- Safety under extreme working conditions.
- Maximum resistance to working pressure.
- Sectors with mixed irrigation, where emitters and micro-sprinklers are placed.
- Green areas. Leisure and sport areas.
- Installations with variations in hydraulic work conditions.
- Green areas with underground irrigation.

MODELS:

Ref. 707202: Straight connector Ø 16mm

Ref. 707203: T connector Ø 16mm

Ref. 707204: L - connector

Ref. 707205: T connector Ø 16mm - 1/2"MALE

Ref. 707207: T connector Ø 16mm - 3/4"MALE

Ref. 707206: L - connector Ø 16mm - 1/2"MALE

Ref. 707208: L - connector Ø 16mm - 3/4" MALE

Ref. 707216: Cross connector Ø 16mm

Ref. 707215: Subjection spike

Ref. 707211: Offtake connector Ø 16mm

Ref. 707201: Valve Ø 16mm

Ref. 707219: End clamp

Ref. 707213: Mixed connector Ø 16mm - 1/2"

Ref. 707214: Mixed connector Ø 16mm - 3/4"

Ref. 707221: Tool.



Ref. 707215

Ref. 707219



Ref. 707211



Ref. 707213



Ref. 707201



Ref. 707203



Ref. 707208



Ref. 707216



Ref. 707204



Ref. 707205



Ref. 707207



Ref. 707202



Ref. 707206



Ref. 707221



Ref. 707212



Ref. 707225



VYR-9500 Drippers Pro-Line



VYR-9500 DRIPPERS · Modular dripper systems

GENERAL PROPERTIES:

Pressure-Compensating and no-drain range able to adapt so much to installations of irregular topography as to crops of high performance in greenhouses. With the last advances in technology, VYR-9500 joins in the same dripper a wide range of pressure-compensating with the best variation coefficient, obtaining high uniformity of water application and fertilizers on each plant and making each installation profitable.

MODELS:

Ref. 707000: 2,2 L Pressure Compensating and No-Drain, barbed outlet.

Ref. 707001: 3 L Pressure Compensating and No-Drain, barbed outlet.

Ref. 707002: 4L Pressure Compensating and No-Drain, smooth outlet.

Ref. 707004: 7,8 L Pressure Compensating and No-Drain, smooth outlet.

Ref. 707005: 2,2 L Pressure Compensating, smooth outlet.

Ref. 707006: 4 L Pressure Compensating, smooth outlet.

Ref. 707007: 8 L Pressure Compensating, smooth outlet.

Ref. 707008: 12 L Pressure Compensating, smooth outlet.

Ref. 707009: 25 L Pressure Compensating, smooth outlet.

Ref. 707111: Adjustable dripper.

Ref. 707121: Adjustable spike dripper.

Ref. 707102: Double-outlet

Ref. 707104: Multi-outlet (4 port)

Ref. 430132: Double barb connector.

Ref. 430133: Connector barb - thread Ø 4,5 mm

Ref. 430134: Double thread connector Ø 4,5 mm

Ref. 702104: 70° Labyrinth pick

Ref. 702105: Straight labyrinth pick

Ref. 702102: 90° Microtube pick

Ref. 702103: Straight microtube pick.

Ref. 707510: Dripper hole driller Plier.

Ref. 707520: Manual hole driller puncher



Drippers, pipes and tools

| Dripper model | | PC | | | | | ND / HND | | | |
|---|------------|-----------------------|------------|------------|----------------------|-----------------------|-------------------------|------------------------|-------------------------|------------------------|
| | | 2.2L | 4L | 8L | 12L | 25L | 2.2L | 3L* | 4L | 7.8L |
| Nominal flow Caudal nominal | l/h gph | 2.2 0.5 | 3.8 0.8 | 7.8 1.7 | 12 2.7 | 25 5.6 | 2.2 0.5 | 3.1 0.7 | 3.8 0.8 | 7.8 1.7 |
| Pressure-compensation interval Intervalo de presión autocompensación | bar psi | 0.6 - 3.5 9.0 - 51 | | | 0.8 - 3.5 12 - 51 | 1.25 - 3.5 19 - 51 | 0.6 - 3.5 9.0 - 51 | 1.0 - 3.5 15 - 51 | 0.6 - 3.5 9.0 - 51 | 0.6 - 3.5 9.0 - 51 |
| Closing pressure / Opening pressure Presión de cierre / Presión apertura | bar psi | - | | | | | 0.15 - 0.3 2.0 - 4.0 | 0.35 - 0.9 5.0 - 13 | 0.15 - 0.3 2.0 - 4.0 | 0.35 - 0.9 5.0 - 13 |

Disc filtration recommended ≤ 130 micron / Se recomienda filtración por discos ≤ 130 micron

*HND (high pressure no-drain) / HND (antidrenante alta presión)

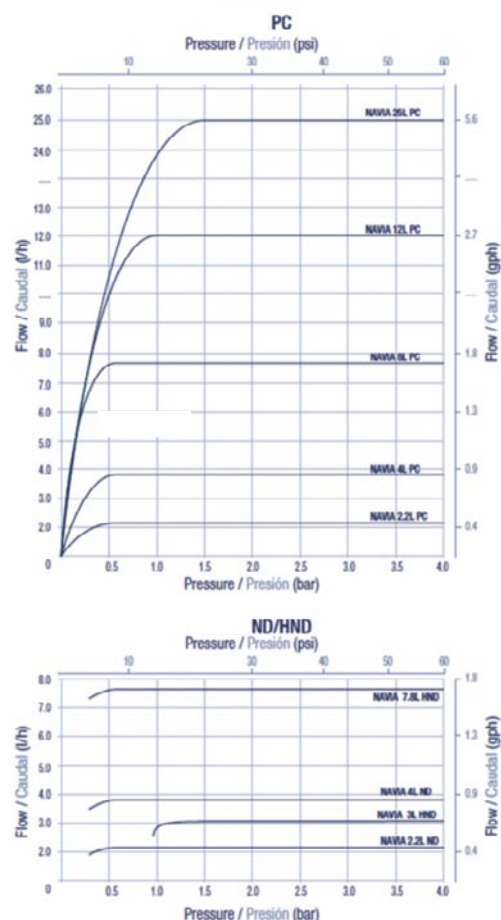
| Pressure Presión | | PC | | | | | ND / HND | | | |
|---------------------|-----|---------|---------|---------|----------|----------|----------|---------|---------|---------|
| | | 2.2L | 4L | 8L | 12L | 25L | 2.2L | 3L | 4L | 7.8L |
| bar | psi | l/h gph | l/h gph | l/h gph | l/h gph | l/h gph | l/h gph | l/h gph | l/h gph | l/h gph |
| 0.6 | 9 | 2.2 0.5 | 3.8 0.8 | 7.8 1.7 | 10.1 2.7 | 18.1 4.8 | 2.2 0.5 | - - | 3.8 0.8 | 7.8 1.7 |
| 1.0 | 15 | 2.2 0.5 | 3.8 0.8 | 7.8 1.7 | 12 2.7 | 22.4 5.9 | 2.2 0.5 | 3.1 0.7 | 3.8 0.8 | 7.8 1.7 |
| 2.0 | 30 | 2.2 0.5 | 3.8 0.8 | 7.8 1.7 | 12 2.7 | 25 5.6 | 2.2 0.5 | 3.1 0.7 | 3.8 0.8 | 7.8 1.7 |
| 3.0 | 44 | 2.2 0.5 | 3.8 0.8 | 7.8 1.7 | 12 2.7 | 25 5.6 | 2.2 0.5 | 3.1 0.7 | 3.8 0.8 | 7.8 1.7 |
| 3.5 | 51 | 2.2 0.5 | 3.8 0.8 | 7.8 1.7 | 12 2.7 | 25 5.6 | 2.2 0.5 | 3.1 0.7 | 3.8 0.8 | 7.8 1.7 |

| Model Modelo | | Dripline length / Longitud de ramal (m)** | | | | | | | | | |
|---|-----|---|------|------|------|------|------|------|------|------|------|
| | | Spacing between emitters / Separación de emisores (m)** | | | | | | | | | |
| | | Ø16 | | | | | Ø20 | | | | |
| Inlet pressure Presión entrada (bar) | | 0.30 | 0.50 | 0.75 | 1.00 | 1.25 | 0.30 | 0.50 | 0.75 | 1.00 | 1.25 |
| PC 2.2L | 1.0 | 66 | 98 | 131 | 161 | 189 | 110 | 159 | 211 | 256 | 298 |
| | 2.0 | 102 | 152 | 206 | 253 | 295 | 172 | 249 | 331 | 402 | 466 |
| | 3.0 | 123 | 184 | 249 | 306 | 359 | 208 | 302 | 401 | 488 | 568 |
| PC 4L | 1.0 | 46 | 68 | 92 | 113 | 131 | 77 | 111 | 147 | 179 | 208 |
| | 2.0 | 71 | 106 | 143 | 176 | 206 | 120 | 174 | 231 | 281 | 326 |
| | 3.0 | 85 | 128 | 173 | 214 | 250 | 145 | 211 | 281 | 341 | 396 |
| PC 8L | 1.0 | 29 | 43 | 59 | 72 | 84 | 49 | 71 | 94 | 114 | 133 |
| | 2.0 | 45 | 67 | 91 | 112 | 131 | 76 | 111 | 147 | 179 | 208 |
| | 3.0 | 54 | 81 | 110 | 136 | 156 | 92 | 134 | 179 | 217 | 253 |
| PC 12L | 1.0 | - | 33 | 44 | 54 | 64 | - | 54 | 71 | 86 | 100 |
| | 2.0 | - | 51 | 69 | 85 | 100 | - | 84 | 112 | 136 | 158 |
| | 3.0 | - | 61 | 83 | 103 | 121 | - | 102 | 135 | 165 | 191 |
| PC 25L | 1.0 | - | 32 | 43 | 53 | 63 | - | 52 | 70 | 85 | 99 |
| | 2.0 | - | 38 | 52 | 64 | 75 | - | 64 | 85 | 103 | 120 |
| | 3.0 | - | 45 | 61 | 75 | 89 | - | 77 | 103 | 126 | 149 |
| ND 2.2L | 2.0 | 102 | 152 | 206 | 253 | - | 172 | 249 | 331 | 402 | - |
| HND 3L*** | 2.0 | 75 | 112 | 152 | 186 | - | 127 | 184 | 243 | 296 | - |
| ND 4L | 2.0 | 71 | 106 | 143 | 176 | - | 120 | 174 | 231 | 281 | - |
| ND 7.8L | 2.0 | - | 67 | 91 | 112 | 131 | - | 111 | 147 | 179 | 208 |

*Slope / Pendiente: 0%

**Pressure-compensating interval / Intervalo autocompensación

***High pressure no-drain model / Modelo antidrenante de alta presión



Drip Technical Info



Our logistic Department will prepare your order as soon as possible but we recommend to pay attention to volume and how to organize it to minimize the transportation cost. Our experts will help you to fit everything in!

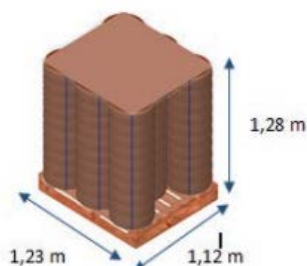
IMPORTANT NOTE: Drip Systems and Micro-Irrigation System are sold by VYR S.A. only by full pallets for pipelines and by full boxes for parts.

| Model | ΔQ (%) | Dripline length | | | |
|-------|----------------|--------------------------|--------|---------------|--------|
| | | Spacing between emitters | | | |
| | | 0.35 m 14" | | 0.50 m 20" | |
| | | (m) | (feet) | (m) | (feet) |
| 16 | 5 | 39 | 128 | 45 | 148 |
| | 10 | 50 | 164 | 60 | 197 |
| | 15 | 60 | 197 | 69 | 226 |

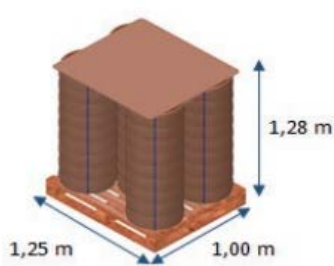
Inlet pressure 1 bar/1.45 psi

| | Coil (m) (feet) | | Coils: Ø External x height (mm) (in) | | Pallet. (Max. height 1.30 m / 4.26 feet) (m) (feet) | | Coil / Pallet |
|----------------------------------|--------------------|-----|---|--------------|--|----------------------------------|---------------|
| Microirrigation line | 25 | 82 | 400 x 115 | 15.75 x 4.53 | (1.21 x 1.10 x 1.28) | CP6 (3.97 x 3.61 x 4.20) | 80 |
| | 50 | 164 | 480 x 116 | 18.90 x 4.57 | (1.30 x 1.00 x 1.20) | CP6 (4.27 x 3.28 x 3.94) | 45 |
| | 100 | 328 | 530 x 165 | 20.87 x 6.50 | (1.10 x 1.10 x 1.25) | 1.10 x 1.10 (3.61 x 3.61 x 4.10) | 28 |
| Dripline with integrated dripper | 25 | 82 | 410 x 115 | 16.14 x 4.53 | (1.23 x 1.12 x 1.28) | CP6 (4.04 x 3.67 x 4.20) | 80 |
| | 50 | 164 | 490 x 130 | 19.29 x 5.12 | (1.25 x 1.00 x 1.28) | CP6 (4.10 x 3.28 x 4.20) | 45 |
| | 100 | 328 | 520 x 180 | 20.47 x 7.09 | (1.10 x 1.10 x 1.23) | 1.10 x 1.10 (3.61 x 3.61 x 4.04) | 24 |

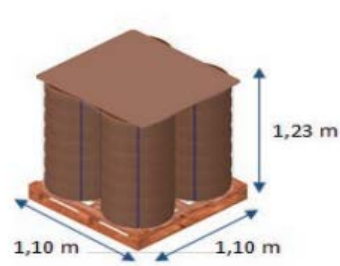
Ask for other models.



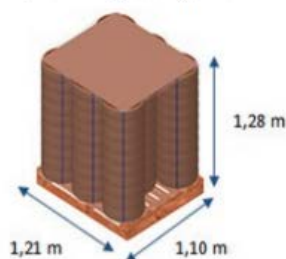
Dripline with integrated dripper 25 m



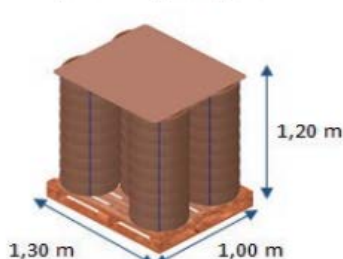
Dripline with integrated dripper 50 m



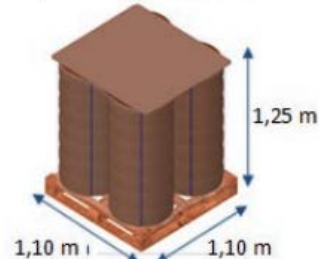
Dripline with integrated dripper 100 m



Microirrigation line in coils of 25 m



Microirrigation line in coils of 50 m



Microirrigation line in coils of 100 m



Micro-Sprinklers

- VYR-3000 Micro-TwisterPg. 75
- Micro-Irrigation AccessoriesPg. 77



VYR-3000 Micro-Twister



VYR-3000 MICRO-TWISTER · AG Micro-Sprinklers

GENERAL PROPERTIES:

- Modular assembly system.
- Quick barb and threaded connection.
- Manufactured in plastic Delrin for durability.
- Easy maintenance and cleaning.
- Nozzles in different color codes. Modular assembly system.
- Radius of irrigation: 360°
- Optional anti-bugs cap.

TECHNICAL SPECIFICATIONS:

- Range: 0.4 - 8.5 m
- Flow: 30 - 160 l/h. Auto-compensation optional!
- Working pressure: 1.1 - 3 BAR
- Nozzles: Bayonet nozzles color coded.
- Nozzle angle: From 8° to +25°
- Maximum jet height: 1.3 m

MODELS:

- Ref. 430001: Body.
- Ref. 430002: Black swivel, long range.
- Ref. 430003: Blue swivel, short range.
- Ref. 430004: Grey swivel, with deflector.
- Ref. 430005: Green swivel, upside down.
- Ref. 430006: Violet difuser.
- Ref. 430007: Anti-bugs cap.

- Ref. 430120: Grey nozzle with barb.
- Ref. 430121: White nozzle with barb.
- Ref. 430122: Brown nozzle with barb.
- Ref. 430123: Blue nozzle with barb.
- Ref. 430124: Green nozzle with barb.
- Ref. 430125: Yellow nozzle with barb.
- Ref. 430126: Violet nozzle with barb.
- Ref. 430127: Black nozzle with barb.
- Ref. 430128: Red nozzle with barb.

- Ref. 430220: Grey nozzle with thread Ø 4,5 mm
- Ref. 430221: White nozzle with thread Ø 4,5 mm
- Ref. 430222: Brown nozzle with thread Ø 4,5 mm
- Ref. 430223: Blue nozzle with thread Ø 4,5 mm
- Ref. 430224: Green nozzle with thread Ø 4,5 mm
- Ref. 430225: Yellow nozzle with thread Ø 4,5 mm
- Ref. 430226: Violet nozzle with thread Ø 4,5 mm
- Ref. 430227: Black nozzle with thread Ø 4,5 mm
- Ref. 430228: Red nozzle with thread Ø 4,5 mm

- Ref. 430240: Grey nozzle with thread 1/8"
- Ref. 430241: White nozzle with thread 1/8"
- Ref. 430242: Brown nozzle with thread 1/8"
- Ref. 430243: Blue nozzle with thread 1/8"
- Ref. 430244: Green nozzle with thread 1/8"
- Ref. 430245: Yellow nozzle with thread 1/8"
- Ref. 430246: Violet nozzle with thread 1/8"
- Ref. 430247: Black nozzle with thread 1/8"
- Ref. 430248: Red nozzle with thread 1/8"

- Ref. 430131: Spike 40 cm
- Ref. 430132: Double barb connector.
- Ref. 430133: Connector barb and thread Ø 4,5 mm
- Ref. 430134: Double thread connector Ø 4,5 mm
- Ref. 430135: Up-side-down weight stabilizer.
- Ref. 430136: Micro-pipe 6,5x4,5 mm of 60 cm (100 meters).

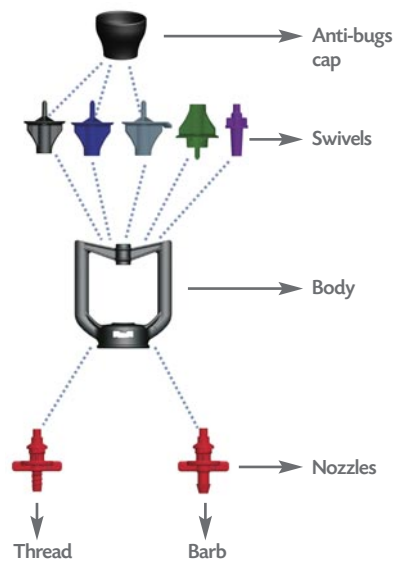
- Ref. 430506: Self-comp. valve 22 l/h SILVER (6 GPH).
- Ref. 430508: Self-comp. valve 30 l/h ORANGE (8 GPH).
- Ref. 430510: Self-comp. valve 38 l/h BLUE (10 GPH).
- Ref. 430512: Self-comp. valve 45 l/h GREY (12 GPH).
- Ref. 430514: Self-comp. valve 53 l/h VIOLET (14 GPH).
- Ref. 430517: Self-comp. valve 64 l/h GREEN (17 GPH).
- Ref. 430520: Self-comp. valve 76 l/h YELLOW (20 GPH).
- Ref. 430525: Self-comp. valve 95 l/h RED (25 GPH).



| Número máximo de microaspersores en lateral Maximum number of micro-sprinklers | | | | | | | |
|---|--|--|----|----|----|----|----|
| Modelo Model | Diámetro tubería Pipe diameter (mm) | Separación de microaspersores* Spacing between micro-sprinklers (m) | | | | | |
| | | 2 | 3 | 4 | 5 | 6 | 7 |
| Gris / Grey 30L | 16 | 25 | 21 | 19 | 17 | 16 | 13 |
| | 20 | 41 | 36 | 33 | 30 | 28 | 27 |
| | 25 | 58 | 52 | 47 | 46 | 42 | 38 |
| Blanco / White 40L | 16 | 22 | 18 | 16 | 16 | 13 | 12 |
| | 20 | 34 | 30 | 27 | 25 | 23 | 22 |
| | 25 | 49 | 43 | 39 | 36 | 34 | 32 |
| Marrón / Brown 50L | 16 | 18 | 16 | 13 | 12 | 11 | 11 |
| | 20 | 30 | 26 | 23 | 22 | 20 | 19 |
| | 25 | 43 | 39 | 34 | 31 | 29 | 28 |
| Azul / Blue 60L | 16 | 15 | 13 | 12 | 11 | 10 | 9 |
| | 20 | 26 | 23 | 21 | 19 | 18 | 17 |
| | 25 | 38 | 33 | 30 | 28 | 26 | 24 |
| Negro / Black 70L | 16 | 14 | 11 | 10 | 9 | 8 | 8 |
| | 20 | 23 | 20 | 18 | 16 | 15 | 14 |
| | 25 | 33 | 29 | 26 | 24 | 22 | 21 |
| Verde / Green 80L | 16 | 11 | 10 | 9 | 8 | 7 | 7 |
| | 20 | 20 | 17 | 16 | 14 | 13 | 12 |
| | 25 | 29 | 25 | 23 | 21 | 20 | 20 |
| Rojo / Red 100L | 16 | 10 | 8 | 7 | 7 | 6 | 6 |
| | 20 | 18 | 15 | 14 | 12 | 11 | 11 |
| | 25 | 26 | 22 | 20 | 18 | 17 | 16 |
| Amarillo / Yellow 120L | 16 | 7 | 8 | 8 | 7 | 7 | 6 |
| | 20 | 14 | 14 | 13 | 12 | 12 | 11 |
| | 25 | 21 | 20 | 19 | 17 | 16 | 15 |
| Violeta / Violet 160L | 16 | 6 | 5 | 4 | 4 | 3 | 3 |
| | 20 | 11 | 9 | 8 | 8 | 7 | 7 |
| | 25 | 17 | 14 | 12 | 11 | 11 | 10 |

* Presión de entrada 2 bar / Inlet pressure 2 bar

| Ecuación característica Discharge equation | |
|---|----------------------------|
| $q = k \cdot h^n$ | |
| Modelo Model | q (l/h) · h (mca) |
| Gris / Grey 30L | $q = 6.75 \cdot h^{0.51}$ |
| Blanco / White 40L | $q = 8.17 \cdot h^{0.53}$ |
| Marrón / Brown 50L | $q = 9.48 \cdot h^{0.54}$ |
| Azul / Blue 60L | $q = 11.50 \cdot h^{0.53}$ |
| Negro / Black 70L | $q = 13.44 \cdot h^{0.54}$ |
| Verde / Green 80L | $q = 16.13 \cdot h^{0.54}$ |
| Rojo / Red 100L | $q = 18.44 \cdot h^{0.55}$ |
| Amarillo / Yellow 120L | $q = 21.54 \cdot h^{0.55}$ |
| Violeta / Violet 160L | $q = 31.50 \cdot h^{0.55}$ |



Self-compensating valves for flow regulation.



| Caudal / Flow (l/h) | | | | | | | | | |
|---------------------------|---------------|------------------|------------------|---------------|-----------------|-----------------|---------------|----------------------|---------------------|
| Presión Pressure (bar) | Gris Grey 30L | Blanco White 40L | Marrón Brown 50L | Azul Blue 60L | Negro Black 70L | Verde Green 80L | Rojo Red 100L | Amarillo Yellow 120L | Violeta Violet 160L |
| 1.5 | 27 | 35 | 41 | 49 | 60 | 70 | 83 | 109 | 140 |
| 2.0 | 31 | 40 | 48 | 57 | 69 | 81 | 97 | 127 | 164 |

| | | | | Diámetro mojado / Wetted diameter (m) | | | | | |
|------------------------|---------------------------------------|---------------------------|----------------------|---------------------------------------|-------------------------------|------------------------------------|----------------------------|-------------------|-----------------------------|
| Boquilla / Nozzle | | | | Bailarinas / Swivels | | | | Difusor / Sprayer | |
| Modelo Model | Orificio boquilla Nozzle size (mm) | Presión Pressure (bar) | Caudal Flow (l/h) | Largo Alcance* Long range | Corto Alcance* Short range | Con deflector* Stream deflector | Invertida** Upside Down | | Nebulizador Mist sprayer |
| | | | | | | | 0.60 (m) | 1.50 (m) | |
| Gris / Grey 30L | 0.80 | 1.5 | 27 | 5.5 | 3.5 | 0.90 | 5.5 | 6.5 | 1.0 |
| | | 2.0 | 31 | 5.5 | 3.5 | 1.80 | 5.5 | 6.5 | 1.0 |
| Blanco / White 40L | 0.90 | 1.5 | 35 | 6.0 | 3.5 | 1.20 | 6.0 | 6.5 | 1.1 |
| | | 2.0 | 40 | 6.0 | 4.0 | 1.80 | 6.0 | 6.5 | 1.1 |
| Marrón / Brown 50L | 1.00 | 1.5 | 41 | 6.5 | 3.5 | 1.20 | 6.5 | 6.5 | 1.2 |
| | | 2.0 | 48 | 6.5 | 4.0 | 1.80 | 6.5 | 6.5 | 1.2 |
| Azul / Blue 60L | 1.10 | 1.5 | 49 | 7.0 | 4.0 | 1.20 | 6.5 | 7.0 | 1.2 |
| | | 2.0 | 57 | 8.0 | 4.0 | 1.80 | 6.5 | 7.5 | 1.2 |
| Negro / Black 70L | 1.20 | 1.5 | 60 | 7.5 | 4.0 | 1.20 | 6.5 | 7.0 | 1.3 |
| | | 2.0 | 69 | 8.0 | 4.5 | 1.80 | 6.5 | 8.0 | 1.3 |
| Verde / Green 80L | 1.30 | 1.5 | 70 | 8.0 | 4.0 | 1.20 | 6.5 | 8.5 | 1.4 |
| | | 2.0 | 81 | 8.5 | 4.5 | 1.80 | 6.5 | 8.5 | 1.4 |
| Rojo / Red 100L | 1.40 | 1.5 | 83 | 8.0 | 4.5 | 1.20 | 6.5 | 8.5 | NR |
| | | 2.0 | 97 | 9.5 | 4.5 | 1.80 | 6.5 | 8.5 | NR |
| Amarillo / Yellow 120L | 1.65 | 1.5 | 109 | 8.5 | 5.0 | 1.65 | 6.5 | 8.5 | NR |
| | | 2.0 | 127 | 9.5 | 5.5 | 1.80 | 8.0 | 9.0 | NR |
| Violeta / Violet 160L | 1.90 | 1.5 | 140 | 8.5 | 5.0 | NR | 7.0 | 8.5 | NR |
| | | 2.0 | 164 | 9.0 | 6.0 | NR | 8.0 | 9.0 | NR |

ISO 7749 – ISO 15886 / ISO 7749 – ISO 15886 Standard.

Micro-Sprinkler Accessories

VYR-701 and VYR-702 MICRO-PLUS · Micro-Irrigation

TECHNICAL SPECIFICATIONS:

- PE and Green-Flex pipe for micro-irrigation.
- UV protected.
- Working pressure: Up to 6 BAR

MODELS:

- Ref. 105721: Flex Micro pipe 100 m coil. / Ø 5,5 x 4 mm
 Ref. 105731: PE Micro pipe 100 m coil.. / Ø 6 x 4 mm
 Ref. 430130: Flex Micro pipe 100 m coil. / Ø 6,5 x 4,5 mm
 Ref. 430139: PE Micro pipe 50 m coil. / Ø 12 x 10 mm



VYR-701 and VYR-702 MICRO-PLUS · Micro-Irrigation



TECHNICAL SPECIFICATIONS:

- Accessories for micro-irrigation pipe.
- UV protected.
- Working pressure: Up to 6 BAR

MODELS:

- Ref. 707231: Spike 12 cm
 Ref. 707232: Multi-pipe pin
 Ref. 707240: Connector barb Ø 4,5 mm
 Ref. 707241: T barb Ø 4,5 mm
 Ref. 707242: L barb Ø 4,5 mm
 Ref. 707243: End plug Ø 4,5 mm

VYR-4101 ANTI-DRIP · Anti-Drip Valves



TECHNICAL SPECIFICATIONS:

- Válvulas **ANTI-GOTEO** para micro-rieg Ø 4,5 mm.
- Presión de trabajo: hasta 6 bar.
- Abre con 3 BAR y cierra con 1,5 BAR.

MODELS:

- Ref. 704101: Valv. Anti-Goteo LISA-LISA
 Ref. 704102: Valv. Anti-Goteo ESPITA-ESPITA
 Ref. 704103: Valv. Anti-Goteo LISA-ESPITA
 Ref. 704104: Valv. Anti-Goteo ESPITA-ROSCA

VYR-701 and VYR-702 MICRO-FLOW · Flow Control

TECHNICAL SPECIFICATIONS:

- Range of flow regulators for micro-irrigation.
- Flow: 23 - 91 l/h Auto-compensation!
- Working pressure: 1 - 5 BAR

MODELS:

- Ref. 107011: SILVER - 23 L/H / 2 BAR (6 GPH / 30 PSI)
 Ref. 107012: ORANGE - 30 L/H / 2 BAR (8 GPH / 30 PSI)
 Ref. 107013: BLUE - 38 L/H / 2 BAR (10 GPH / 30 PSI)
 Ref. 107014: GREY - 45 L/H / 2 BAR (12 GPH / 30 PSI)
 Ref. 107015: VIOLET - 53 L/H / 2 BAR (14 GPH / 30 PSI)
 Ref. 107016: GREEN - 64 L/H / 2 BAR (17 GPH / 30 PSI)
 Ref. 107017: YELLOW - 76 L/H / 2 BAR (20 GPH / 30 PSI)
 Ref. 107018: RED - 91 L/H / 1,37 2 (24 GPH / 30 PSI)
 Ref. 107021: SILVER - 23,5 L/H / 2 BAR (6 GPH / 30 PSI)
 Ref. 107022: BLUE - 43,5 L/H / 2 BAR (11 GPH / 30 PSI)
 Ref. 107023: GREEN - 62,5 L/H / 2 BAR (17 GPH / 30 PSI)
 Ref. 107024: RED 95 L/H / 2 BAR (24 GPH / 30 PSI)





Irrigation Control

BATTERY OPERATED LATCH CONTROLLERS

- PG-6053 BTPg. 80
- PG-6050-6051 TAP-PROPg. 81
- PG6060 AMPHIBIO.....Pg. 82
- PG-6010 MASTER-LATCH.....Pg. 80
- PG-6011 MASTER-RAIN 4.0Pg. 81
- OASIS TELE-CONTROL.....Pg. 82
- HELIOS RADIO COMPg. 83
- HYDRO-PLUSPg. 84

POWER CONTROLLERS

- PG-6015 2 WIRE-DECODER.....Pg. 86
- PG-6045 RAIN-PROPg. 88
- PG-6055 AQUA-PROPg. 89
- SKYDROP ARC.....Pg. 90
- SKYDROP PLUSPg. 92

ACCESSORIES FOR CONTROLLERS

- CABINET AND BOXESPg. 93
- CONNECTIONS.....Pg. 94
- SENSORSPg. 96
- RECHARGING SYSTEMSPg. 99
- METEO STATIONS.....Pg. 100



PG-6050 & PG-6051

Tap-Pro

With motor valve that opens from 0 BAR !!!



Ref. 605000



¡Totalmente estanco!
IP-65



PG-6050 & PG-6051 · Battery Operated Controllers

GENERAL PROPERTIES VYR-6050:

- Number of stations: 1 station.
- Number of programs: a sequential program.
- Number of starts: Up to 360 daily starts depending on the frequency of irrigation.
- Cycle time: up to 599 min.
- Programming times: from 1 min. up to 10 hours.
- Manual opening and closing of the programmer.
- Easy installation, programming and use thanks to its versatile design and hybrid system control.
- Rotating mechanical controls.
- LED status.

GENERAL PROPERTIES VYR-6051:

- Number of stations: 1 station.
- Number of programs: 8 digital program.
- Number of starts: 15 starts per program.
- Cycle time: up to 599 min.
- Programming times: from 1 min. up to 10 hours.
- Manual opening and closing of the programmer.
- Easy installation, programming and use thanks to its versatile design and hybrid system control.
- Logical system of icons on the digital display.
- LED status.

TECHNICAL SPECIFICATIONS:

- Power: 2 AAA batteries 1.5 V ALKALINE.
- Output: Motorized Latch.
- Sealing: IP-68.
- Battery life with two Alkaline AAA batteries for more than a campaign.
- Upper connection to tap 3/4 "or 1" with rotary adjustment and rubber to fit and seal.
- Bottom outlet of 3/4" male thread or express connector.

APPLICATIONS:

- Designed for residential use in sheltered terraces and small gardens.

MEASUREMENTS :

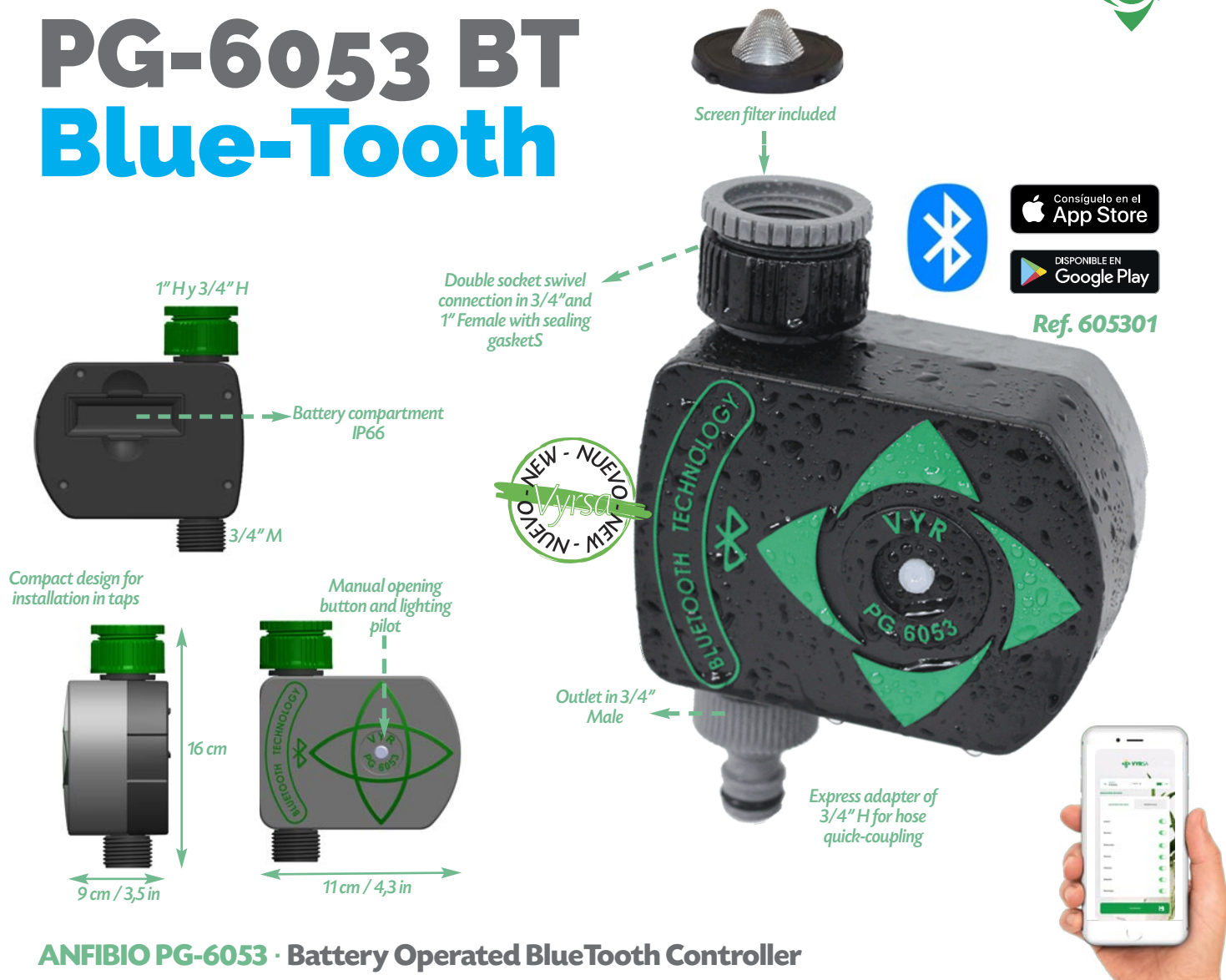
- Height: 12 cm / 4,7 in
- Width: 20 cm / 7,9 in
- Depth: 9 cm / 3,5 in
- Weight: 280 g / 0,62 Lbs
- Units per box: 1

MODELS:

- Ref. 605100: VYR-6051, 3/4". DIGITAL DISPLAY.
- Ref. 605000: VYR-6050, 3/4". MECHANICAL



PG-6053 BT Blue-Tooth



ANFIBIO PG-6053 · Battery Operated BlueTooth Controller

GENERAL PROPERTIES:

- Number of stations: 1.
- LATCH (impulse) PN-10 solenoid valve with high performance and safety.
- Number of programs: 1 program with 4 cyclical options.
- Number of starts: 8 daily starts, or sequential indefinite.
- Cycle duration: up to 7 days.
- Programming times: from 1 minute to 12 hours.
- MANUAL START of the valve.
- Easy installation, programming and use thanks to its versatile design and logical control system.
- Adjustment of irrigation DELAY.
- Safety system with low battery ALARM (closes all valves and is blocked until the change by a new battery).
- DUAL input jack in 1" H and 3/4" H, and 3/4" M outlet that includes an express record for express hose connection.

TECHNICAL SPECIFICATIONS:

- Waterproof: IP-68 (totally watertight and submersible).
- Voltage: 2 1.5V AA alkaline batteries (not included).
- Number of admissible valves: 1 Latch 9V solenoid (integrated)

APPLICATIONS:

- Ideal for isolated areas without electrical power or with difficult wiring access.
- Designed for use in orchards, residential or urban gardens, and isolated agricultural areas.

MEASUREMENTS :

- Height: 16 cm
- Width: 9 cm ø
- Weight: 320 g
- Units per box: 1

OPTIONS:

- Kit with tap PPR of 3/4".

MODELS:

Ref. 605301: VYR-6053 BT.



Ref. 121925

PG-6060 Anfibio



Ref. 606001



Sumergible!
IP-68

ESPAÑOL
ENGLISH
FRANÇAIS



ANFIBIO PG-6060 · Battery operated controller 1, 2, 4 & 6 stations

The PG-6061 ANFIBIO REMOTE is an autonomous waterproof controller (9Vdc alkaline) that allows you to connect by Bluetooth Low Energy 4.0 to mobile devices through the VYR-BT® APP. Through this APP, pairing with the device is enabled through a user security access code. This model is ideal for communities, parks and public gardens to prevent theft or vandalism of equipment since they cannot be used or handled without their access code.

GENERAL PROPERTIES:

- Number of stations: 1, 2, 4 and 6 stations + N / O sensor.
- Master Valve "MV" can be activated in 2-6 station models.
- The models of 4 and 6 stations can be activated MV (Master Valve) by passing the last station to act as a master valve.
- Number of programs: 3 (A, B and C)
- Number of starts: 8 daily starts per program.
- Cycle duration: up to 7 days.
- Programming times: from 1 minute to 12 hours per valve, with descending counter in minutes.
- MANUAL START of stations with "countdown".
- Easy installation, programming and use thanks to its versatile design and logical control system.
- Ergonomic 6-key keyboard.
- Adjustment of WATER CONTRIBUTION between 10% and 200%.
- Safety system with low battery ALARM (closes all valves and is blocked until the change by a new battery).
- Normally open SENSOR (NO) connection (rain, humidity or temperature sensor) for temporary blocking of programs.
- 1-station models include 2 or 3-way latch solenoid, and the 3-station model does not include solenoids.
- Complies with standard UNE-15099 / ISO-21622

TECHNICAL SPECIFICATIONS:

- Waterproof: IP-68 (totally watertight and submersible).
- Voltage: 9V alkaline battery (optional 6 AAA block).
- Number of admissible valves: 1 Latch solenoid of 9V per output no more than 20 m away.
- Connection strip: cables up to 1.5 mm².

APPLICATIONS:

- Ideal for isolated areas without electrical power or with difficult wiring access.
- Designed for residential or urban gardens, and isolated agricultural areas.

MODELS:

Ref. 606010: VYR-6060 1 est. - NO SOLENOID -

Ref. 606001: VYR-6060 1 est. + 1 solen. latch 2 way

Ref. 606011: VYR-6060 1 est. + 1 solen. latch 3 way 1.6 mm

Ref. 606002: VYR-6060 2 est. (-MV)

Ref. 606004: VYR-6060 4 est. (-MV)

Ref. 606006: VYR-6060 6 est. (-MV)

Ref. 606010 BT: VYR-6060 1 est. - NO SOLENOID - + COM BT

Ref. 606001 BT: VYR-6060 + 1 solen. latch 2 way + COM BT

Ref. 606011 BT: VYR-6060 + 1 solen. latch 3 way 1.6 mm + COM BT

Ref. 606002 BT: VYR-6060 2 est. (-MV) + COM BT

Ref. 606004 BT: VYR-6060 4 est. (-MV) + COM BT

Ref. 606006 BT: VYR-6060 6 est. (-MV) + COM BT



BT APP for PG-6053-6060

Blue-Tooth APP

ANFIBIO PG-6053 BT · Battery Operated Controller with BlueTooth APP

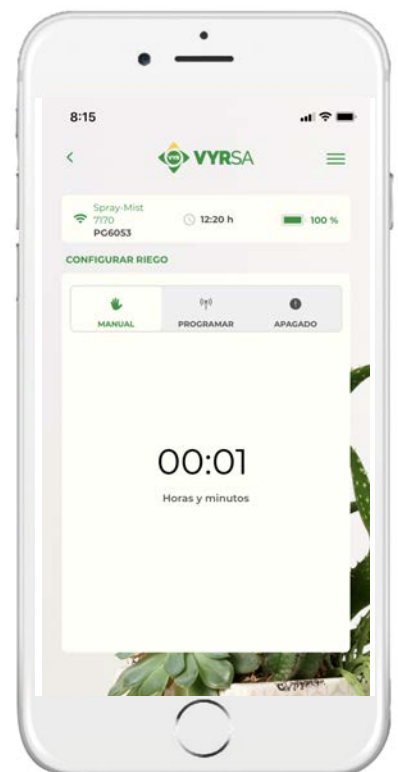
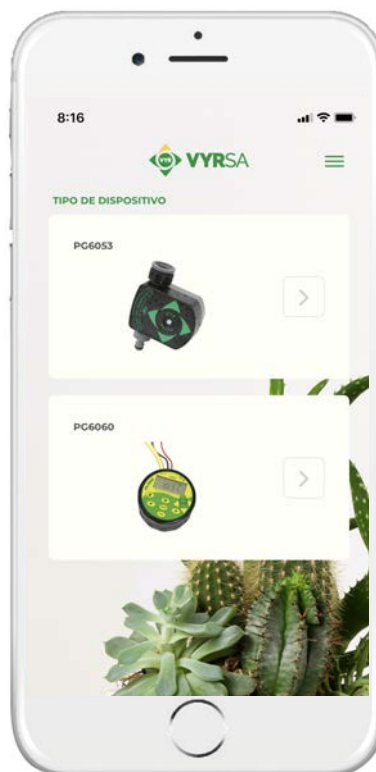
GENERAL PROPERTIES:

- The Hydro-PLUS BT APP has this reduced version for connectivity with BlueTooth 5.0 equipment that allows you to easily link your equipment in a range of 30 meters.
- VYR BlueTooth devices have a security device in which you have to enter a security code that can be modified by the user later in order to establish the link. If someone steals this device, they can not use it without that security code.
- Simple installation through the stores for ANDROID and IOS.
- The intuitive logic of navigation through the application makes it easy to use by the user.
- Once the APP has been installed, select the product model with which you want to establish the link. Both the name of the equipment and the areas to be irrigated can be renamed.
- Two types of programs, cyclical or sequential.
- Simple and quick intuitive screens to configure.
- The intuitive logic of navigation through the application makes it easy to use by the user.
- Valid application for models PG-6053 BT, PG-6060 BT (page 124), PG-6061 BT (page 125), and PG -6015 BT (page 130).

IOS



ANDROID



PG-6010 Master-Latch

PRO-3.0



ESPAÑOL
ENGLISH
FRANÇAIS



TRI
Integrated Radio card
868/928 Mhz (optional)



Outdoor box

MASTER-LATCH PG-6010 PRO-2.1 · Battery operated controller 5, 8 & 14 stations

GENERAL PROPERTIES:

- Number of stations: 5, 8 and 14 stations + main valve.
- Number of programs: 4 independent and overlapping programs (A, B, C and D).
- Number of initiations: 6 initiations per program.
- Duration of cycle: up to 7 days.
- Programming times: from 1 minute to 12 hours per valve, with minute countdown counter.
- MANUAL STARTING of stations and programs with "count-down".
- **NEW!!!** Time delay between valves and pump & valves.
- **NEW!!!** Communication port for tele-control systems through Green-Plus, Hydro-Plus or Green-Pad.
- **NEW!!!** Stuffing box and lock outputs.
- **NEW!!!** Outlet antenna connection.
- Program "D" configurable in seconds or minutes with inhibition from the N/C sensor. This permits connection of differential pressure switches for automatic filter back washing, or connection to fertilizer injection pumps.
- Easy installation, programming and use because of its versatile design and hybrid control system.
- Rotary mechanical control and ergonomic keyboard with 4 keys.
- Digital screen with logical and easy to use icons.
- PAUSE and SKIP IRRIGATION positions.
- Water throughput adjustment between 10% and 400%
- Input for main valve activation and two inputs for sensors, one normally open (differential pressure switch for filter washing), and the other normally closed (rain sensor).
- Security system with low battery ALARM (it closes all the valves and blocks them until the old battery has been replaced).
- Non-volatile memory that saves existing programs so they are not lost in the event of a blackout.

TECHNICAL SPECIFICATIONS:

- Voltage: 9V ALKALINE battery or converter. Internal battery in circuit to keep time in case of blackouts.
- Output: Latch.
- Number of valves supported: 1 Latch solenoid (9V) per outlet at no more than 3 meters distance.
- Terminal strip: cables of up to 1,5 mm

MEASUREMENTS:

- Height: 22 cm
- Width: 16 cm
- Weight: 460 g
- Depth: 5 cm

OPTIONS:

- Outdoor box.
- Solar kit 12 Vdc.

MODELS:

Ref. 601055: 5 Stations. LATCH + COM. 2.1 - 3.0

Ref. 601058: 8 Stations. LATCH + COM. 2.1 - 3.0

Ref. 601064: 14 Stations. LATCH + COM. 2.1 - 3.0

Ref. 650102: Outdoor box Hydro-PLUS. (optional)

Ref. 602502: TRI card tele-manag. RADIO 868. (optional)





HELIOS RC Radio COM

Ref. 602511



Boxes for external
use with options of
tele-management



Integration in one
box all equipment:
PG+CAP+TRI



TRI
Integrated Radi card



Ref. 602580



Ref. 602581



Ref. 602582



Ref. 602583



CAP PG-6025 · Tele-Control and Irrigation network systems

The best solution for intelligent and automatic control of your irrigation system is called **Hydro-Plus**. The integration of different control equipment and management make this tool one of the most sophisticated in the market for its range of low-power, long-range communications, and powerful software algorithms for auto-reset "Water Balance".

Communication equipment are:

- **CAP:** The manage centralizing communication link between programmers. It features 3 model options:
 - **CAP GSM / RADIO** (standard): Radio communication with TRI's programmers and Internet.
 - **CAP GSM / RADIO+SENSORY:** It also includes a card with 6 digital inputs, 4 analog and RS485 port.
 - **CAP WIFI-ETHERNET:** Communication in areas with Internet access point through a WIF/ETHERNET modem.
- **TRI:** The mini-card that is placed on the programmers and MSR's to establish wireless communication.
- **MSR:** The remote sensor module with 2 digital inputs and 2 analog outputs for remote sensing in culture.

GENERAL PROPERTIES:

- Communication cards GPRS / WIFI / RADIO for remote communication with programmers PG-6010, PG-6060 (2.1).
- Application Hydro-Pad® free downloadable application for mobile devices and Hydro-Plus® web environment.
- Digital inputs: 6 digital inputs for reading flow meters, pressure transmitters, humidity, soil moisture, etc.
- Analog Inputs: 4 analog inputs for sensors, rain sensors, anemometers, etc.

- Relay outputs: 2 relay outputs for contactors (pump start).
- Remote Access: Radio links to the programmer and radio antennas. (cables and antennas included).
- Outputs for GPRS antennas and RADIO (antenna included).
- Window facility for SIM card.
- Very simple setup and commissioning.

MODELS:

Ref. 602501: CAP "Communication Access Point" GSM + RADIO (CAP)

Ref. 602511: CAP GSM + RADIO with SENSOR inputs (CAP+S).

Ref. 602502: INTEGRATED RADIO CARD (TRI).

Ref. 602503: REMOTE SENSOR MODULE MSR (field sensors).

Ref. 602578: Radio wire of 2 meters and mounting base.

Ref. 602579: Orientable antenna.

Ref. 602580: Long distance plastic antenna.

Ref. 602581: Long distance aluminum antenna.

Ref. 602582: Long distance plastic bumper antenna.

Ref. 602583: Super-long distance omnidirectional plate antenna.

IOS



ANDROID



PG-6010 4.0 Master Latch

Wire + Radio



Compatible con: **Hydroplus 4.0**



COMUNICACIÓN CON MÓDULOS
OASIS RD



Radio LoRa and GPRS communication modules



MASTER-LATCH PG-6010 4.0 · Radio-Decoder Controller for up to 14+128 stations

GENERAL PROPERTIES:

- **PG-6010 4.0** controller of 9-12Vdc **LATCH, INDOOR**.
- Modular system with **EXPANSION** base plate with 14 wired valves + MV and expandable by **OASIS RADIO DECODERS** up to 80 OASIS modules and a maximum of **remote 128 valves**.
- Number stations: 14 wired valv. + 128 radio valv. + 1 MV + 8 pumps.
- Number of programs: 6 independent and overlapping programs.
- Number of starts: 6 starts per program.
- **FERTIRRIGATION** of up to 4 fertilizers with pre-wash time.
- Program "E" for **AUTO-ACTIVATION** configurable in number of stations in hr/min/sec. Inhibition from the N / C sensor that allows to connect pressure differential pressure switches for the counter-washing of automatic filters, connection to fertilizer injection pumps or temperature sensors for **FLUSH-BACK WASHING** or **FROST PROTECTION**.
- Program "D" for **DEMAND IRRIGATION (ON-OFF)**.
- Cycle duration: up to 7 days. (12 h max per valve).
- Programming times: from 1 minute to 12 hours per valve, with descending counter in minutes.
- **MANUAL START** of stations and programs with "countdown".
- Programmable delays between stations and / or pump.
- **COMMUNICATIONS PORT** for remote control through **OASIS** modules for tele-control through the APP of **HydroPLUS**.
- **INDOOR BOX** with Ø20mm gland outlets for wires and with outlets for outdoor antenna.
- Easy installation, programming and use thanks to its versatile design and its hybrid control system.
- Rotary mechanical control and 4-key ergonomic keyboard.
- Digital display with LED backlight and icons that make it very easy to use.
- **PAUSE** position up to 7 days.

- Adjustment of water supply between 10% and 400%
- Input for activation of master valve and two inputs for sensors, one normally open (differential pressure switch for washing filters), and the other normally closed (rain sensor).
- Safety system with low battery **ALARM** (closes all valves and is blocked until the change by a new battery).
- Volatile memory that keeps the programs made and are not deleted in case of blackouts.

TECHNICAL SPECIFICATIONS:

- Voltage: 9V-12Vdc. Internal battery in circuit to keep the time temporarily in case of blackouts.
- Output: Latching 12 Vdc 110 msec
- Number of admissible valves: 1 Latch solenoid of 9-12V per output no more than 12 meters away.
- Connection strip: cables up to 1.5 mm.

MEASUREMENTS:

- Height: 22 cm
- Width: 16 cm
- Weight: 460 g
- Depth: 5 cm

*The perfect solution
for coverage
irrigation systems!!!*

MODELS:

Ref. **601040**: PG-6010 Master-Latch 4.0 - 14 STATIONS

Ref. **602612**: COM Card LoRa + BlueTooth

Ref. **602613**: COM Card LoRa + BlueTooth + GPRS + WiFi

Ref. **602614**: Remote module LoRa OASIS 4 stations latch BAT.

Ref. **602615**: Remote module LoRa OASIS 4 stations latch SOLAR.

PG-6011 Master Rain

Wire + Radio + GPRS + BT



Compatible con:



Hydroplus 4.0



COMUNICACIÓN CON MÓDULOS
OASIS RD



Radio LoRa and GPRS
communication modules



MASTER-RAIN PG-6011 · Modular Latching Controller up to 14 +128 stations.

GENERAL PROPERTIES:

- **PG-6011 4.0** controller of 9-12Vdc **LATCH, OUTDOOR**.
- Modular system with **EXPANSION** base plate with 14 wired valves + MV and expandable by **OASIS RADIO DECODERS** up to 80 OASIS modules and a maximum of **remote 128 valves**.
- Number of stations: 14 wired valv. + 128 radio valv. + 1MV + 8 pumps.
- Number of programs: 6 independent and overlapping programs.
- Number of starts: 6 starts per program.
- **FERTIRRIGATION** of up to 4 fertilizers with pre-wash time.
- Program "E" for **AUTO-ACTIVATION** configurable in number of stations in hr/min/sec. Inhibition from the N / C sensor that allows to connect pressure differential pressure switches for the counter-washing of automatic filters, connection to fertilizer injection pumps or temperature sensors for **FLUSH-BACK WASHING** or **FROST PROTECTION**.
- Program "D" for **DEMAND IRRIGATION (ON-OFF)**.
- Cycle duration: up to 7 days. (12 h max per valve).
- Programming times: from 1 minute to 12 hours per valve, with descending counter in minutes.
- **MANUAL START** of stations and programs with "countdown".
- Programmable delays between stations and / or pump.
- **COMMUNICATIONS PORT** for remote control through **OASIS** modules for tele-control through the APP of **HydroPLUS**.
- **OUTDOOR BOX** with press-stop clamps and security lock with Ø20mm gland outlets for wires.
- Easy installation, programming and use thanks to its versatile design and its hybrid control system.
- Rotary mechanical control and 4-key ergonomic keyboard.
- Digital display with LED backlight and icons that make it very easy to use.
- **PAUSE** position up to 7 days.
- Adjustment of water supply between 10% and 400%
- Input for activation of master valve and two inputs for sensors, one normally open (differential pressure switch for washing filters), and the other normally closed (rain sensor).

- Safety system with low battery **ALARM** (closes all valves and is blocked until the change by a new battery).
- Volatile memory that keeps the programs made and are not deleted in case of blackouts.

TECHNICAL SPECIFICATIONS:

- Voltage: 9V-12Vdc. Internal battery in circuit to keep the time temporarily in case of blackouts.
- Output: Latching 12 Vdc 110 msec
- Number of admissible valves: 1 Latch solenoid of 9-12V per output no more than 12 meters away.
- Connection strip: cables up to 1.5 mm.

MEASUREMENTS:

- Height: 24 cm
- Width: 20 cm
- Weight: 1022 g
- Depth: 11 cm



Ref. 602615

MODELS:

Ref. 601101: PG-6011 OUTDOOR 1- 128 VALV.

Ref. 601102: PG-6011 OUTDOOR 1- 128 VALV. + COM

Ref. 602612: COM Card LoRa + BlueTooth

Ref. 602613: COM Card LoRa + BlueTooth + GPRS + WiFi

Ref. 602614: Remote module LoRa OASIS 4 stations latch BAT.

Ref. 602615: Remote module LoRa OASIS 4 stations latch SOLAR.

Ref. 602615: Contactor LATCH relay for starters.

OASIS RD Radio Decoders

Up to 12 Km!



OASIS RD · Modular Tele-Control System and Irrigation Networks

With **OASIS RADIO DECODERS** is no longer necessary to wire or connect with hydraulic micro-pipe from the programmer to the valves, thus avoiding costly installation, risk of breakdown, maintenance costs, etc. The OASIS RD receiver modules are fully autonomous and receive re-programming from the central controller. In case of communication failures, the OASIS will continue operating according to the last received programs.

The **OASIS RD** System offers you the possibility to directly communicate valves in the field either through a master programmer or directly with a communication gateway to tele-manage it from a mobile application **APP of HydroPLUS 4.0**.

This system has a design that follows the modular concept of "LEGO" and part of a motherboard from which we can add a series of mini-electronic cards that we call "BRICK". Each of these BRICK has a function:

- Storage and program management (BRAIN BRICK)
- WiFi, GSM, BT or Radio LoRa communication (COM BRICK)
- Pulse outputs for solenoids LATCH (VALVE BRICK)
- Inputs for remote sensors. (SENSOR BRICK)

- Valid system to integrate with models PG-6061 BT (page 125), PG-6011 BT (page 127), and PG-6015 BT (page 132).
- The LoRa communication allows us to communicate equipment and valves to each other in urban spaces or fields with irregular geography, minimizing the impact of obstacles and maintaining good communication.

TECHNICAL SPECIFICATIONS:

- 54,5 Vdc power supply.
- Number of stations: 4.
- Mobile telemanagement APP: HydroPLUS 4.0 or V-BT

DIMENSIONES:

- Altura: 6 cm
- Profundidad: 5 cm
- Ancho: 6 cm
- Peso: 220 g

MODELS:

EMITTERS:

Ref. 602614: LoRa remote module OASIS 4 stations latch **BAT**.

Ref. 602616: LoRa remote module OASIS 4 stations latch **SOLAR**.

DATA LOGGERS:

Ref. 602631: Data-Logger with 2 inputs.

Ref. 602632: Data-Logger with 4 inputs.

ACCESORIES:

Ref. 602611: Orientable installation clamp kit for OASIS.

Ref. 602612: Telescopic pole for OASIS instalation at 2,5 m.

WIRE ISOLATED CONNECTORS:

Ref. 625135: Mini-coNnector GEL 2 cables de 0,5-1,5 mm², máx. 30V

Ref. 625544: Multiconnector 5 wires with latching poles.

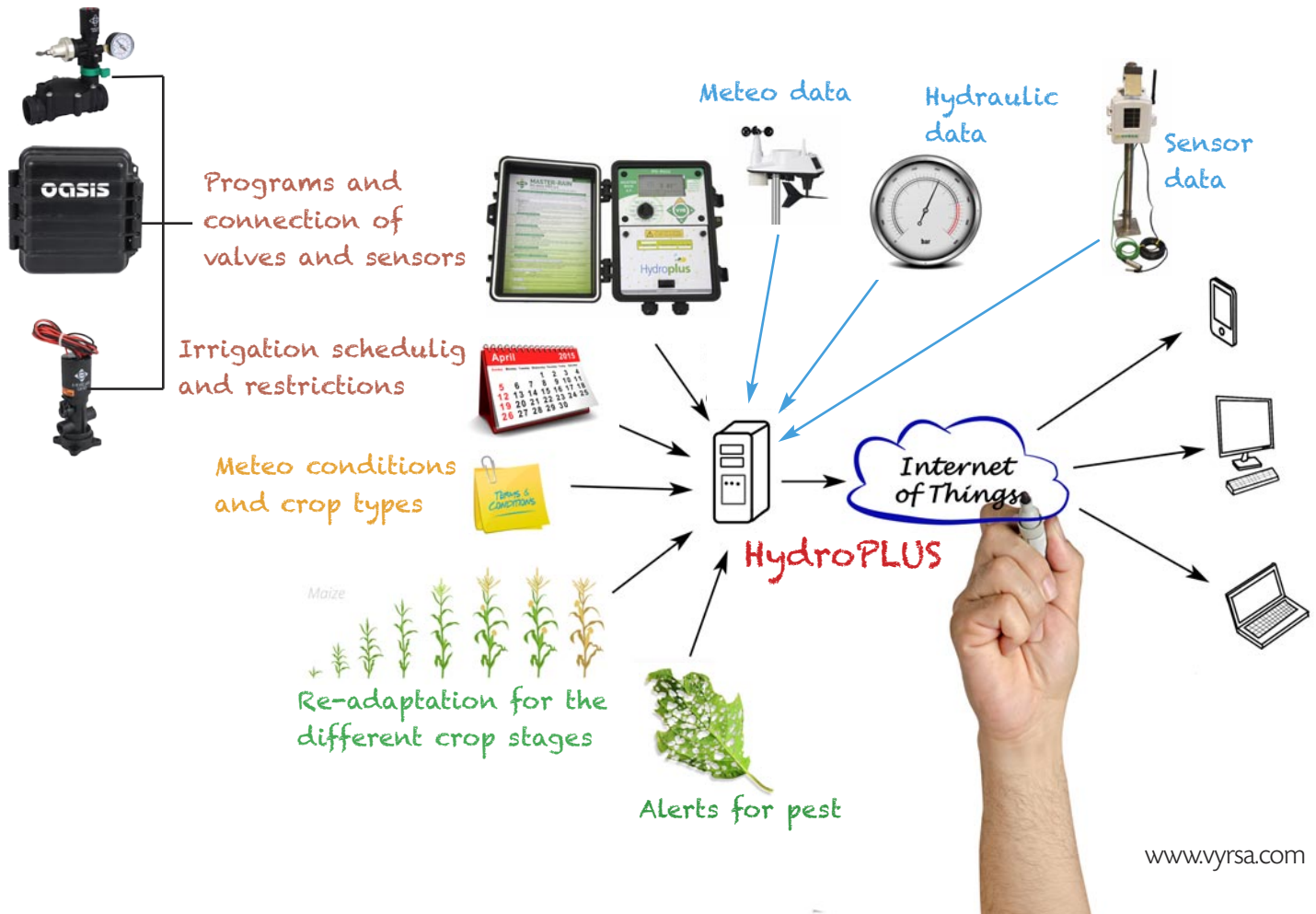
Ref. 625552: GEL capsule for 5 wire multiconnector isolation.



(See pag. 141)

Ref. 625135

Program the production
and quality of your crops.



Mobile APP

Designed for agricultural control and tele-management.

HYDRO-PLUS APP:

The HYDRO-PLUS APP application for IOS and ANDROID mobile devices is based on the WEB application of www.hydro-plus.es and has an intelligent software and the most common tele-management tools. Thanks to its use, we will increase the savings and the good management of irrigation and water.

With HYDRO-PLUS APP you can remotely connect to all controllers linked into your account through a LOG-IN security system. You can generate groups of programmers and re-name them as you wish to order according to your needs. Once connected to a controller, you can perform all programming and manual control operations as if you were on your farm. Also from the APP you can configure the different conditions by meteorological or sensory alarms.

Through intelligent algorithms, the APP offers a fully automatic daily water balance of its own depending on the environmental conditions, irrigation local agenda or restrictions, on crop agronomic data, and even the forecast of diseases and pests.

MOBILE CONTROL:

- Reading and Reprogramming.
- Remote Manual Control.
- Alarm Settings.
- Communications failure.
- Reading of sensors.
- Box intrusion.
- Pressure / flow.
- Restrictions and irrigation agenda.
- Geo-location on map.
- Failure in opening / closing.
- Communications failure.
- Weather forecast for the next days.
- History of irrigation and water use.
- Alarm warnings.
- Etc...

IOS

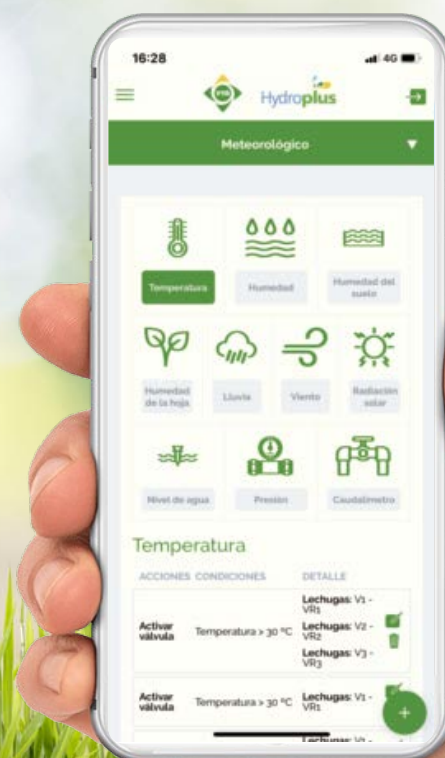
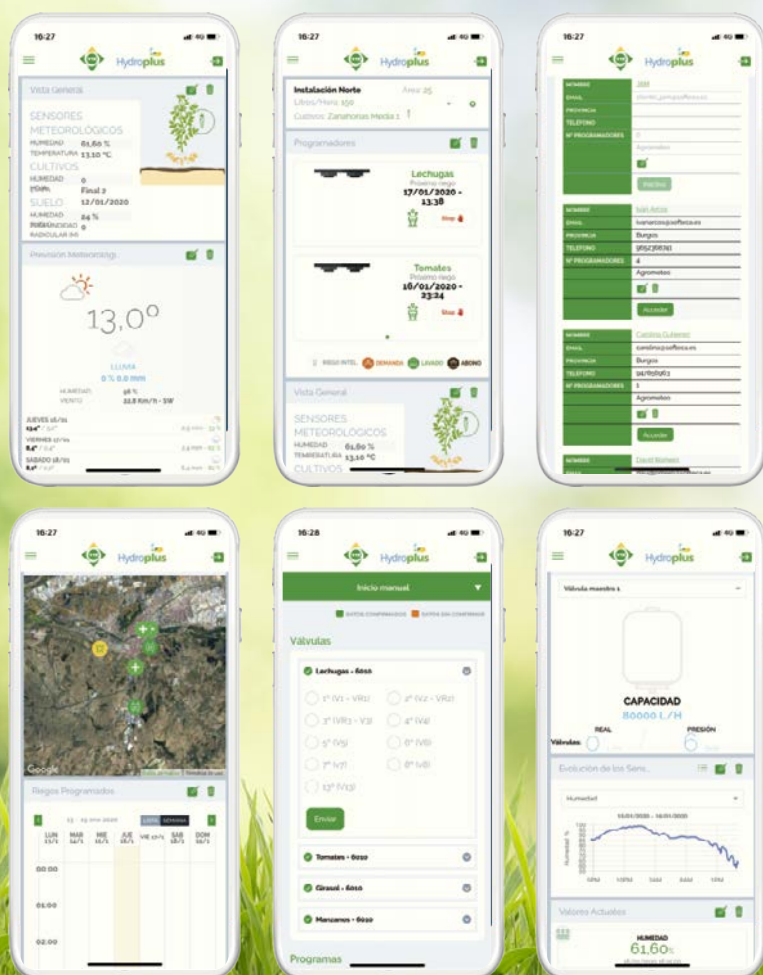


ANDROID



GET IT ON
Google Play

Download on the
App Store



Web-APP www.hydro-plus.es

WEB-APP for professional management



Hydro-Plus 4.0 is the software application for control of irrigation VYR-PG controllers with communication access, designed for PCs, phones and tablets with Internet access. This application is based on the Hydro-Plus software and allows us logically and visually analyze the actual situation of our irrigation controllers and make changes to their settings.

HYDRO-PLUS (www.hydro-plus.es):

Hydro-Plus 4.0 is a **web application** for remote control from any device with internet access. After programming and integration of different system components (valves, pumps, meters, nozzles, weather stations and sensors, etc ...), we can generate management patterns depending on the agro-meteorological and physical conditions of the system, thus generating different types of alarm.

GPS for location and actual positioning network maps of the different components of the system. Organize easily create different groups of plants per irrigation plot, crop types, etc. and independently manage their programming. Other devices than irrigation can be controlled for activation such as lighting, power, alarms, cameras, doors, etc.

HYDRO-BALANCE (examples):

- If the case of precipitation above a given range or set to a moisture content of soil also out of range, the start times will be delayed and even adjust watering times to the needs of the plant and soil.
- If the level of evapotranspiration is a large percentage increase run times for recovering the lost water.

CORE CONDITIONS:

Using this intelligent software you can adjust watering times to the needs of demand for their crops taking into account the weather and measuring sensors in culture:

- Soil moisture > / = RUN CANCEL/ INCREASE OF IRRIGATION
- Soil moisture < / = .% INCREASE OF IRRIGATION
- If the ETo > / < = DECREASE / INCREASE
- Reset by precipitation mm/m²/h
- Delay wind speed
- Program soda if temperature > °C
- Anti-freeze if the temperature program < °C.

ALARM WARNINGS:

Hydro-Plus system is able to generate alarms and automatic alarm-system disabler. Alarms can activate by:

- Intrusion relay.
- Pressure / flow (delay irrigation valve from where it left off).
- Failure of communication.
- Level.

These alarms can be sent to mobile devices via SMS or e-mail.

| USER PLAN | REF # | # PG's | # Decod. per PG | # Accounts | METEO-SMART | AGRON. | PEST CONTROL |
|-----------|--------|---------|-----------------|------------|-------------|--------|--------------|
| BASIC | 602501 | 1 - 4 | < 15 / PG | 1 | NO | NO | NO |
| | | | | | YES | NO | NO |
| | | | | | YES | YES | NO |
| | | | | | YES | YES | YES |
| PLUS | 602504 | 5 - 12 | < 50 / PG | 4 | NO | NO | NO |
| | | | | | YES | NO | NO |
| | | | | | YES | YES | NO |
| | | | | | YES | YES | YES |
| MASTER | 602520 | 13 - 50 | < 128 / PG | 8 | NO | NO | NO |
| | | | | | YES | NO | NO |
| | | | | | YES | YES | NO |
| | | | | | YES | YES | YES |

| PRO PLAN | REF # | USERS |
|-------------|--------|---------------|
| LOCAL | 602020 | 1 - 20 users |
| RESIDENTIAL | 602050 | 1 - 50 users |
| COMMUNITY | 602100 | 1 - 100 users |

NOTE: The cost of the above licenses includes the SIM card service in the GPRS modems (included).

PG-6015 DECODER ^{TWO} WIRE

Cable + Radio + GPRS + WiFi



WIRE DECODERS



RADIO DECODERS

MASTER-DECODER PG-6015 · 2 Wire Decoder + Radio Decoder and GPRS (255 stations)

GENERAL PROPERTIES:

- 24Vac **DECODER CONTROLLER** for 2-WIRE or RADIO decoders.
- The same programmer acts as a programming console for the field decoders. Easy and quick to program.
- Number of decoders: Up to **127 wired stations + 128 radio stations + master valve + sensors**.
- Number of programs: 6 independent and overlapping programs.
- Number of starts: 6 starts per program.
- Cycle duration: up to 7 days. (days, interval, odd or even).
- Programming times: from 1 minute to 12 hours per valve, with descending counter in minutes.
- Wire range up to **1,500 m (5000 ft)**, and Radio up to 12 Km (7,5 Mi).
- **MANUAL START** of stations and programs with "countdown".
- Programmable delay between stations and / or pump.
- **DOSIFICATION PROGRAM** of up to 4 fertilizers with independent waiting time and dosing time.
- Up to 6 Master-Valves and/or Pumps. Configurable!
- Communications port for remote control through Hydro-Plus by GPRS or WiFi communication.
- Sensor inputs: of different types like ON/OFF / 4-20 mA / digital CC / digital 1-255 Hz / SDI-12.
- Outdoor box with press releases-tow and safety lock.
- Outlets for outdoor antenna and sensor inputs.
- Program "E" configurable in minutes or seconds with inhibition from the N / C sensor. This allows us to connect pressure differential pressure switches for the **automatic WASHING OF FILTERS, FROST-PROTECTION**, connection to fertilizer injection pumps or short sequential irrigation.
- Easy installation, programming and use thanks to its versatile design and its hybrid control system.
- Rotary mechanical control menu and 4-key ergonomic keyboard.
- Digital display with icons that make its management very logical and simple.
- **PAUSE and DELAY** menu positions.

- Water supply adjustment between 10% and 400%
- Input for activation of master valve and two inputs for sensors, one normally open (differential pressure switch for washing filters), and the other normally closed (rain sensor).
- Non-Volatile memory that keeps the programs made and are not deleted in case of blackouts. Connection to external 3Vdc battery to maintain the time and calendars in case of power cuts.

TECHNICAL SPECIFICATIONS:

- Voltage: 110 / 220V transformer from 2300 mA to 24Vac.
- Output: 24Vac.
- Number of admissible valves: 2 24Vac solenoids per decoder.
- Connection strip: cables up to 1.5 mm.

MEASUREMENTS:

- Height: 22 cm
- Width: 16 cm
- Weight: 460 g
- Depth: 5 cm

MODELS:

- Ref. 601595:** PG-6015 DECODER INDOOR 1- 255 VALV.
- Ref. 601596:** PG-6015 DECODER OUTDOOR 1- 255 VALV. (COM)

Ref. 602612: COM Card LoRa + BlueTooth

Ref. 602613: COM Card LoRa + BlueTooth + GPRS + WiFi



Radio LoRa and GPRS communication modules

PG-6015 DEC

2 Wire Decoder 24Vac and/or Radio Decoder 9-12Vdc Latch

SD
127SD
009SD
003SD
002SD
001

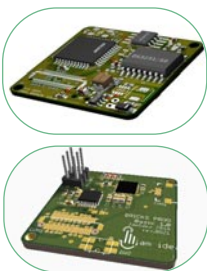
OUTPUTS
SENSOR INPUTS
REMOTES



Compatible with:
Hydroplus



COMMUNICATION
WITH MODULES
OASIS RD

ID
044ID
086ID
078

GENERAL PROPERTIES:

- License for Smart Irrigation Controller of 220/24 Vac for connection to the network via WIFI or 3G modem, which is connected to the electro-valves by means of a 2-wire copper cable hose, on which the voltage is sent and necessary data to open / close these through a decoding micro-electronics.
- It has 6 independent and overlapping programs (A, B...F) and up to 6 daily starts per program.
- The same programmer acts as a console to re-program the code of the decoders.
- Anti-tormentas protection.
- It can be controlled remotely through our APP HydroPLUS. Enter the characteristics of the land and its plants to automate the Smart Irrigation settings (type of land, type of plant, sunny or shaded area, level of inclination of the land, etc ...).
- Automatic detection of the connection of 24 Vac valves.
- Detection of short-circuits or wiring failures.
- Inputs for humidity / rain sensors.
- Very simple configuration and start-up.



MODELS:

2 WIRE DECODERS

- Ref. 601521: DECODER-SOLENOID 24Vac 2 way (integrated)
Ref. 601523: DECODER-SOLENOID 24Vac 3 way (integrated)

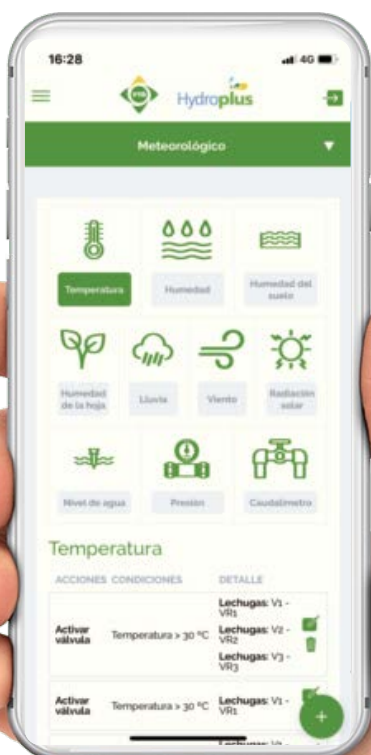
- Ref. 601501: Field DECODER dfor SD-1 STATION.
Ref. 601502: Field DECODER dfor SD-2 STATIONS.
Ref. 601504: Field DECODER dfor SD-4 STATIONS.

- Ref. 601512: DECODER MSR FLOW sensor (pulse).
Ref. 601513: DECODER MSR PRESSURE (0,25 - 2,25 mA).

- Ref. 601514: END LINE DECODER terminal with LED for testing.

RADIO DECODERS

- Ref. 601195: LoRa remote module OASIS 4 stations latch BAT.
Ref. 601198: LoRa remote module OASIS 4 stations latch SOLAR.



PG-6045 Rain-Pro



ESPAÑOL
ENGLISH
FRANÇAIS

PG-6045 RAIN-PRO · Electrical Controller of 4, 6, 9 & 11 stations

GENERAL PROPERTIES:

- Multi-Station 24Vac Controller.
- Number of stations: 4, 6, 9 and 11 stations + main master valve.
- Number of programs: 4 independent programs (A, B, C and D).
- Number of initiations: 6 initiations per program.
- Duration of cycle: up to 7 days.
- Programming times: from 1 minute to 12 hours.
- MANUAL STARTING of stations and programs.
- Interchangeable Menu-Covers in 3 languages: Spanish, English and French.
- Easy installation, programming and use because of its versatile design and logical control system.
- Ergonomic keyboard with 5 keys.
- Logical and easy to use digital screen.
- PAUSE and SKIP IRRIGATION positions.
- Water budget adjustment between 20% and 150%.
- Input for main valve activation and an input for a normally open sensor (rain sensor).
- Safety system with 9 V battery for keeping track of time in case of blackouts.
- Outdoor installation box IP-65 with lock-eye.
- Quick user guide on the inside of cover.

TECHNICAL SPECIFICATIONS:

- Voltage: 220 V - 24 V 300 mA transformer included.
110 V - 24 V 300 mA transformer included.
(SPECIFY)
- Output: 300 mA through TRIAC.
- Number of valves supported: One 24 VAC solenoid per output at no more than 300 metres distance (depends on the model and transformer).
- Terminal strip: cables of up to 1.5 mm².

APPLICATIONS:

- Designed for both agricultural use and in residential gardens.

MEASUREMENTS:

- Width: 25 cm / 9,8 in
- Height: 18 cm / 7,1 in
- Depth: 8 cm / 3,1 in
- Weight: 1.440 g / 3,2 Lbs
- Units per box: 1.

OPTIONS:

- IP-66 Box.

MODELS:

- Ref. 604504: 4 stations.
- Ref. 604506: 6 stations.
- Ref. 604509: 9 stations.
- Ref. 604511: 11 stations.



*Power Transformer included.
Different international types
of plug shapes.*



PG-6055 Modular Aqua-Pro

ESPAÑOL
ENGLISH
FRANÇAIS



PG-6045 RAIN-PRO · Electrical Controller of 4, 6, 9 & 11 stations

GENERAL PROPERTIES:

- Modular 24Vac Controller; model very easy to use and with a large capacity modular irrigation stations.
- Interchangeable Menu-Covers in 3 languages: Spanish, English and French.
- Number of local stations: 6 stations + MV. Expandable with modules of 3 stations to 15 stations.
- Number of programs: 3 independent programs and overlapping (A, B and C).
- Number of starts: 4 starts per program.
- Cycle time: up to 7 days. Calendar year.
- Programming times: from 1 minute to 12 hours.
- MANUAL STARTING of stations and programs.
- Volatile memory that stores the programs carried out and are not deleted in case of blackouts.
- Easy installation, programming and use thanks to its versatile design and control logic.
- 5-key ergonomic keyboard and multimando selector switch.
- Digital display and user-friendly logic.
- Position PAUSE and DELAY.
- Adjusting water budget between 10% and 150%. Time cycles.
- Input for normally open (eg, rain sensor rain-click).
- Security system with internal battery to save time in case of blackouts.
- Safe for outdoor installation with IP-65 INOX incorporating locks.
- Quick reference chart user and irrigation on the inside cover of the door.

TECHNICAL SPECIFICATIONS:

- Voltage: 220 V - 24 V 300 mA transformer included.
- Output: 300 mA through TRIAC.
- Number of valves supported: One 24 VAC solenoid per output at no more than 300 metres distance (depends on the model and transformer).
- Terminal strip: cables of up to 1.5 mm².

APPLICATIONS:

- Designed for both agricultural and residential gardens, commercial, and golf and sports fields.

MEASUREMENTS:

- Height: 22 cm / 8,7 in
- Width: 26 cm / 10,2 in
- Depth: 12 cm / 4,7 in
- Weight: 2.200 g / 4,9 Lbs
- Units per box: 1

OPTIONS:

- Rain-Sensor Rain-click

MODELS:

- Ref. 605506: PG + module base of 6 stations with MV.
- Ref. 605503: Expandable Module of 3 stations.





SKYDROP ARC

WiFi 24 Vac



IOS



ANDROID



SKYDROP ARC · Tele-Control Systems and Intelligent Irrigation Networks

GENERAL PROPERTIES:

- Intelligent Irrigation Programmer of 220/24 Vac for connection to the network through WIFI, which will interact with the agronomic data and local meteorological data to re-schedule the irrigation times and frequencies according to the needs.
- Enter the characteristics of the land and its plants to automate Skydrop's Intelligent Irrigation settings (type of land, type of plant, sunny or shaded area, level of terrain inclination) -
- The SKYDROP® application is free download for mobile devices and also has a web environment application for installers-administrators and administer user groups.
- Automatic detection of the connection of 24 Vac valves.
- Detection of short-circuits or wiring failures.
- Inputs for humidity / rain sensors.
- Input for flow meter and water consumption meter.
- Very simple configuration and start-up.

MODELS:

Ref. 609012: SKYDROP ARC WiFi controller for 12 stations + MV and Sensor.

ESPAÑOL
ENGLISH
FRANÇAIS



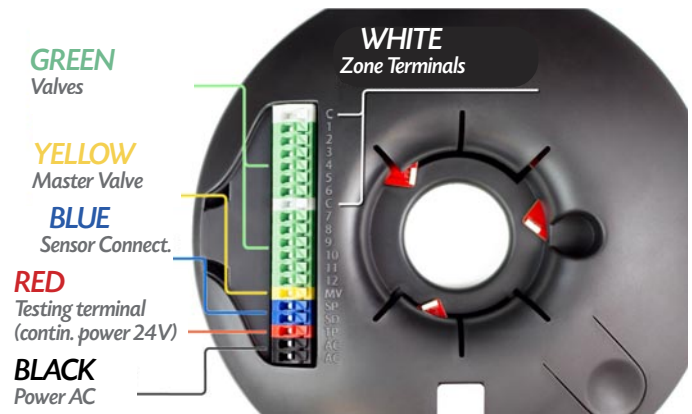
Intelligence combined with simplicity for a perfect watering!

MEET THE MOST INTUITIVE, INNOVATIVE AND INTELLIGENT IRRIGATION PROGRAMMER IN THE MARKET

Other smart programmers have a set schedule and only adjust the duration of the irrigation depending on the weather conditions. The Skydrop software starts with the most accurate evapotranspiration calculations and weather forecasts, and then dynamically schedules when each zone should be watered, and also for how long.

From your lawn, to your flower areas and orchards, Skydrop takes care of all the details (including local watering restrictions) so you do not have to worry. And when we say all the details ...

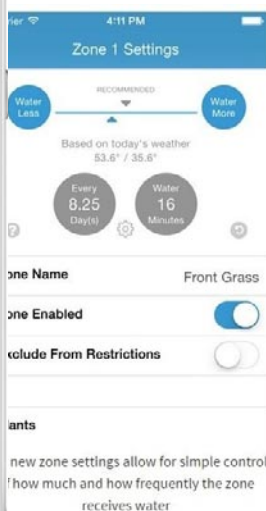
And we mean it!



Luminous code of colors indicating the status of the programmer:



Adaptador para anclaje a pared





SKYDROP PLUS

Smart irrigation

ESPAÑOL
ENGLISH
FRANÇAIS

Download on the
App Store

GET IT ON
Google Play



SKYDROP · Tele-Control Systems and Intelligent Irrigation Networks

GENERAL PROPERTIES:

- Smart Scheduler 220 / 24Vac for network connection via WiFi, which interact with agronomic data and local meteorological data for re-programs the timing and frequency of watering as needed.
- Enter the characteristics of the land and its plants to automate settings Intelligent Irrigation Skydrop (soil type, plant type, sunny or shady area, level sloping terrain).
- The **SKYDROP®** application is a free download for mobile devices and also features a web application environment for installers-administrators and manage user groups.
- Automatic detection of connection of the valves 24 Vac.
- Detection of short circuits or faulty wiring.
- Humidity Sensor Inputs / rain.
- Input for flowmeter and counter water consumption.
- Very simple configuration and commissioning.

MODELS:

Ref. 609001: SKYDROP controller with 8 stations + MV and flow and humidity sensors.

Ref. 609002: Expansion module 9-16 stations + sens.

Ref. 609003: Outdoor security box.

Ref. 609004: Mini-Modem GSM - WiFi.





www.skydrop.com

the app for mobile devices

SkyDrop smart programmer has a free application APP for both IOS as Android devices that lets you view and remotely operate everything that happens in your programmer. Create your account quickly and easily through MySkyDrop.com and link your mobile device with your programmer using the security code will be provided.

In addition SkyDrop also has a WEB application for professional control irrigation networks and manage a set of local customers. In this way a professional installer can configure and manage all customers and programmers to ensure that programming is optimal and that is saving water while the appearance of the gardens is improved.

Simply follow the initial setup steps that the same programmer will guide you to enter the agronomic data of different irrigation stations: soil type (sand, screening, clayey, silty), type of plant (grass, shrubs, trees, flowers), solar radiation (sunny, semi-sunny, shaded), type of issuer (diffuser, rotary, turbine-sprinkler, drip), tilt (flat, slightly sloping steeply inclined). With all this information with meteorological data and you know at all times the optimal way to run the risks.

From SkyDrop applications we can program the desired time starts and irrigation. Also, if the option "Smart Irrigation" is activated watering times are automatically re-adjusted daily depending on the weather forecast and actual status of the land. Another of the options is "Active Minutes" that allows us to make small adjustments to the irrigation recommended increasing or decreasing this proportion.

IOS



ANDROID



Experience the Skydrop difference

Easy to install

Connects to your existing sprinkler system wiring in minutes.

The right way to water

Use up to 50% less water.

Wi-Fi Enabled

Access real-time information from anywhere.

Simple to use

Quickly to program to meet local water restrictions.



Manage Anywhere

Phone, computer, tablet-precision control at your fingertips.

Real-time neighborhood weather data

Predictively adjusts to hyper-local, real-time weather conditions.

Control the savings

Dynamic schedule for maximum conservation.

Integrates with other smart home systems

Quickly to program to meet local water restrictions.

VYR-6500 Aluminum Deluxe Cabinet

Controller Accesories



Ref. 650000 IP 55

GENERAL PROPERTIES:

- Leak-tight aluminium cabinet with stainless steel hinges and double lock with safety key.
- Movable plate with the capacity to house V-6000/6001/6010/6015 controllers, RTU and SATELINE SERIES (radio, gprs, modems), transformers and temperature sensor.
- Mostly used on golf courses and municipal urban areas for the remote management of multiple and varied irrigation zones.
- IP-55 sealing and interior ventilation to avoid condensation.
- Lower cubicle for hydraulic valves (15) or communication systems, modem and modules supporting 8 stations (up to 48).
- "Hydro-control" kit of up to 15 hydraulic solenoid valves to drive the valves hydraulically.
- Painted with light grey polyester-epoxy resin. (20x15x115 cm).

MODELS:

Ref. 650000: Model for hydraulic systems.

Outdoor plastic box

Controller Accesories



Ref. 650102



Ref. 650115



GENERAL PROPERTIES:

- Plastic cases of polycarbonate reinforced with fiberglass and IP-66 sealing for protection of electronics.
- Covers with cut-outs M20, M25 / 32 and M32 / 40.
- Set of hinges with drilling template.
- IP-68 cable entry gland and anti-condensation cap included.
- Machined to accommodate programmers VYR-6000 / 6001 / 6010 / 6015, transformer and temperature sensor plate.

MODELS:

Ref. 650102: HydroPlus IP-66 box with safe locks 250 x 170 x 220 mm

Ref. 650101: IP-66 with lock INOX 180 x 180 x 90 mm

Ref. 650100: IP-66 with lock INOX 254 x 180 x 115 mm

Ref. 650108: IP-66 conjunction box for 8 estat. (COMMON).

Ref. 650115: IP-66 conjunction box for 15 stat. (COMMON).

Ref. 650290: Humidity valve plug.

Ref. 650251: Gland of 16 mm

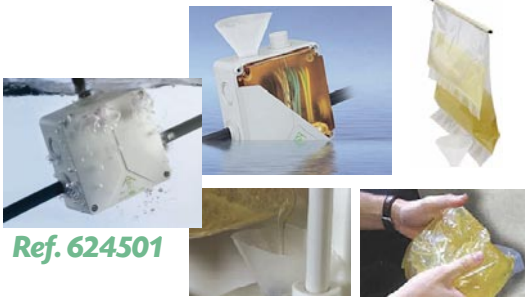
Ref. 650252: Gland of 20 mm

Ref. 650253: Gland of 25 mm



Accesories & connections PG's

Controller Accesories



Ref. 624501

GENERAL PROPERTIES:

- Accessories for connecting cables, packing gland, and anti-condensation vents to prevent short-circuits or shunts electric irrigation facilities, wiring closets and programmers.

MODELS:

Ref. 624501: Kit of isolation gel of 600 ml. to filled up boxes. Isolation IP-68.

Ref. 625125: IP-68 connector female-male for 3w 0,5-1,5 mm², max. 30V

Ref. 625542: Multiconnector for 2 wire with LATCH.

Ref. 625543: Multiconnector for 3 wire with LATCH..

Ref. 625544: Multiconnector for 5 wire with LATCH..

Ref. 625551: Capsule S with GEL for multiconnector (2 wire).

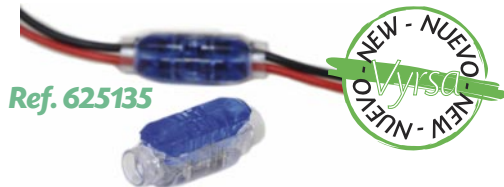
Ref. 625552: Capsule L with GEL for multiconnector (2x2 wire / 1 x 3 wire).

Ref. 625553: Capsule XL with GEL for multiconnector (3 x 2 wire / 2 x 3 wire / 1 x 5 wire).

Ref. 625130: Connector standard for 3 wire of 0,5-1,5 mm², max. 30V

Ref. 625133: Connector standard for 3 wire of 1-2,5 mm², max. 30V

Ref. 625131: Connector standard for 3 wire of 4 mm², max. 30V



Ref. 625135



Ref. 625553

Ref. 625544

Ref. 625133



Ref. 625130

Ref. 625131



Ref. 625125

Power transformers

Controller Accesories



Ref. 630224

Ref. 630324

VYR-6300 POWER TRANSFORMERS / CONVERTERS:

Ref. 630212: TRANSFORM. EUROPE 220 V - 12 V DC - 1,5 Amp

Ref. 630112: TRANSFORM. AMERICAN 110 V - 12 V DC - 1,5 Amp (CLAVIJA PLANA)

Ref. 630224: TRANSFORM. EUROPE 220 V - 24 V AC - 1,5 Amp

Ref. 630124: TRANSFORM. AMERICAN 110 V - 24 V AC - 1,5 Amp (CLAVIJA PLANA)

Ref. 630324: TRANSFORM. EUROPE 220 V - 24 V AC - 0,3 Amp

Pump Relays & Starters

Controller Accesories



Ref. 620109

Ref. 620107

RELAY CONTACTORS & STARTERS:

Ref. 602615: Mini-Relay LATCHING 12Vdc contactor for starters.

Ref. 620112: CONTACTOR 12V dc / 110-220V, 2-3 PHASES / 5-7,5 HP

Ref. 620124: CONTACTOR 24V ac / 110-220V, 2-3 PHASES / 5-7,5 HP

Ref. 620109: CONTACTOR 9/12V dc LATCH / 110-220V

Ref. 620107: BASIC PUMP STARTER BOX 110-220V up to 7,5 HP

Ref. 620125: PROGRESIVE PUMP STARTER BOX 220-400V up to 25 HP

Ref. 620140: VARIATOR PUMP STARTER BOX 220-400V up to 200 HP



Ref. 602615

VYR-6030 Rain-Click

Controller Accesories



Ref. 603001

GENERAL PROPERTIES:

- Safe and reliable. Adjustable humidity level.
- Very easy to connect to the controller.
- Saves water!

MODELS:

Ref. 603001: Rain-click.

VYR-6033 Wind-click

Controller Accesories



Ref. 603301

GENERAL PROPERTIES:

- Seguro y fiable. Grado de humedad regulable.
- Muy fácil de conectar a cualquier programador con entrada de sensor de velocidad de viento.
- Modelo relé con conmutador ajustable.

MODELS:

Ref. 603301: Wind-click + adjustable relay.

Ref. 603305: Wind-PRO digital.

Ref. 603355: Wind-PRO + relay reg. 12-24Vdc.



Ref. 603305

VYR-6034 Flow-Click

Controller Accesories



Ref. 603401

GENERAL PROPERTIES:

- Safe and reliable. Flow level from 1,5 - 2250 l/min. For 3/4" - 8" pipes.
- Very easy to connect to the controller with NO/NC sensor.
- Saves water!

MODELS:

Ref. 603401: Flow-click.

VYR-6031 Humi-Click

Controller Accesories

GENERAL PROPERTIES:

- Safe and reliable. Adjustable humidity level.
- Very easy to connect to a controller with sensor intake.
- Bypass NO/NC Adjustable.
- Enabling switch.

MODELS:

Ref. 603101: HUMI-click Power of 24 Vac

Ref. 603102: HUMI-click Power of 9 Vdc LATCH.

Ref. 890002: Soil-moisture sensor.

Ref. 633111: Soil-moisture sensor with PVC pipe of 1,3 m

Ref. 633120: Mobile display for soil-moisture sensor.



VYR-6032 Soil moisture sensor Field-Scout

Controller Accesories



GENERAL PROPERTIES:

- Reading of instantaneous temperature and humidity.
- Very easy to connect to any programmer with sensor input.
- Bypass NO / NC. Reprogrammable.
- Enabling switch.

MODELS:

Ref. 603201: Humidity-temperature Instantaneous sensor "WaterScout".

Ref. 603202: Portable tool with soil-moisture sensor: Instant + Display TDR 300.

VYR-6040 Temperature sensor Clima-Click

Controller Accesories



Ref. 604001



VYR-6040 GENERAL PROPERTIES:

- Safe and reliable.
- Adjustable temperature switch level (0/+50).
- Very easy to connect to controllers. VYR-6000 / 6001 / 6010 / 6015.
- Bypass NO/NC. Reprogrammable.
- Enabling switch.

APLICATIONS:

- Anti-frost irrigation and ambient temperature control.

MODELS:

Ref. 604001: Clima-click + Adjustable Relay



VYR-6042 GENERAL PROPERTIES:

- Reading range -10°C to +60 °C
- 4 - 20 mA analog output.
- Power 12Vdc
- Easy connection to any controller with sensor input.

MODELS:

Ref. 604201: Analog temperature sensor.

Ref. 604202: Analog temperature sensor with display.



VYR-6036 Soil moisture probe

Controller Accesories



Ref. 603601

GENERAL PROPERTIES:

- Professional soil moisture sensor with 6-9 humidity sensors inside to measure moisture in different soil levels.
- Intelligent Electronics calculation built for use with HydroPlus.
- Measurement of soil moisture for calculating crop water needs.

MODELS:

Ref. 603601: Probe of 9 sensors, 900 mm

Ref. 603602: Probe of 6 sensors, 600 mm



VYR-6037 Rainfall Sensor



GENERAL PROPERTIES:

- Made of plastic.
- Digital output with 1% accuracy by rocker with spoons system dump.
- Very easy to connect to any programmer with digital sensor input.
- Equipped with filter and anti-bird needles.
- Cable of 10 meters.
- Flanges Tube clamps INOX-column.

MODELS:

Ref. 603701: Rainfall digital sensor.

VYR-6039 Presence sensor



GENERAL PROPERTIES:

- Made of plastic.
- Output to NC/NO by magnetic system locked.
- Very easy to connect to any programmer with sensor input NO/NC.

MODELS:

Ref. 603901: Magnetic presence sensor.

VYR-6038 Flow Digital Emitters



Ref. 603801



Ref. 603802

GENERAL PROPERTIES:

- Made of highly resistant plastic.
- Digital output with accuracy of 0,2%.
- Very easy to connect to any programmer with digital input flow reading.

MODELS:

Ref. 603801: Flow meter of 1" compact 2 - 100 l/min

Ref. 603802: Digital reader for flowmeters series CH500

Ref. 603803: Digital reader for flowmeters series CH1000



Ref. 603803

VYR-6035 Pressure click sensor



Ref. 603501

GENERAL PROPERTIES:

- Made of stainless steel.
- Output 4-20 mA with high precision of 0,1%.
- Easy to connect to our data collector controllers.

MODELS:

Ref. 603501: 0-10 BAR output 4-20 mA.

Ref. 603502: 0-2 BAR DIFFERENTIAL output 4-20 mA.

VYR-6041 Level sensor



Ref. 604101

GENERAL PROPERTIES:

- Made of plastic.
- Very easy to connect to any programmer with sensor input NO/NC.

MODELS:

Ref. 604101: Magnetic level sensor.

Solar Kits

Controller Accesories



Ref. 602570



Ref. 607090



Ref. 607060

GENERAL PROPERTIES:

- Charging system using solar panels and voltage regulators.
- Aluminum frames and safety glass for maximum protection of the panels.

MODELS:

Ref. 607052: SOLAR PANEL A-1/4 W. (PG-6010 & Green-Plus)

Ref. 607060: SOLAR PANEL A-10/10 W. (PG-6010 & Green-Plus)

Ref. 607065: SOLAR PANEL A-50/50 W.

Ref. 607099: Adjustable pole fastening base 3.5 meters.

Ref. 607090: Charging regulator.

Batteries

Controller Accesories

Ref. 607012



VYR-6040 GENERAL PROPERTIES:

- Heavy duty batteries and rechargeable for our programmers and data communication systems.

MODELS:

Ref. 607012: RECHARGABLE BATTERY 12 Vdc, 9 Ah

Ref. 607098: VOLTAGE LIMITATOR for 12Vdc

Ref. 607005



Ref. 607098

Micro-Hydraulic Turbine for Battery Charge

Controller Accesories

The MICRO- HYDRAULIC TURBINE has been manufactured in polyamide and developed to be able to maintain the battery charge of a tele-control system, taking the external energy through the existing flow in the irrigation system pipes. The power supplied to charge the battery is approximately 3.7 Vdc, 1 A / 3.7 W (peak).



Ref. 607095

GENERAL PROPERTIES (3,7 V):

- Nominal pressure: PN-10 (10 BAR / 145 PSI))
- Connection: 1/2 "male x 1/2" male.
- Working flow range: 1.5 - 20 L / min (0.5-2 BAR).
- Working temperature range: -12 °C / + 65 °C
- Output voltage: 3.7 Vdc.
- Current: 1000 mA.
- Control of the load ON / OFF maneuver.

GENERAL PROPERTIES (7,2 V):

- Nominal pressure: PN-10 (10 BAR / 145 PSI))
- Connection: 1/2 "male x 1/2" male.
- Working flow range: 1.5 - 20 L / min (0.5-2 BAR).
- Working temperature range: -12 °C / + 65 °C
- Output voltage: 7,2 Vdc.
- Current: 1500 mA.
- Control of the load ON / OFF maneuver.

MODELS:

Ref. 607095: MICRO-HYDRAULIC TURBINE FOR 3,7 Vdc CHARGING.

Ref. 607097: MICRO-HYDRAULIC TURBINE FOR 7,2 Vdc CHARGING.

VYR-8900

Agro-weather stations



Ref. 890003



Ref. 890015

GENERAL PROPERTIES:

- Control agro-meteorological and soil conditions in all types of agricultural crops: fruits, vegetables, cereals.
- These stations are configured for the integration of agro-meteorological data in our irrigation controllers (HydroPlus & Hydro-Pad).
- The data collected is stored and processed for the creation of conditions I have adjusted the times and types of irrigation depending on bond the weather situation, land, and culture.
- Tele-communications via radio between stations and sensors and wireless, cable, GSM / GPRS or WIFI for readings and remote control.
- Optional display console and programming "Control-Display".
- Frost control.
- Inhibition by alarms: wind, temperature, humidity, etc.

NOTE: Agro-Weather stations are configured for the communication link with developers VYR PG-control equipment and Green-Plus.

Total integration with HydroPlus!



Ref. 890005



Ref. 893282



Ref. 893280



Ref. 893210



Ref. 893200



Ref. 893280



Ref. 890011



Ref. 890012

Sensor and Station Models:

STATIONS MODELS:

- **Ref. 890002 AGRO-METEO VP-2:** With internal barometer and sensor temp / hum sensor; outdoor temperature and humidity, vane cup anemometer (12m cable), rocker gauge, 0.2 mm resolution. Wired models include a 30 m cable for connection between console and sensors and wireless models include a transmitter and a receiver for the wireless connection between sensors and console (up to 300m line of sight). The set of sensors are pre-assembled for easy installation. Sensors are optional solar radiation and UV.
- **Ref. 893210 AGRO-METEO VP-1:** With internal barometer and temperature sensors. / Hum, temperature and humidity sensor outside, cup anemometer and wind vane, rain gauge spoon, a 0.2 mm resolution; wireless connection between sensor and console (up to 300m line of sight) pre-assembled set of sensors, sensor array pre-assembled for easy installation.
- **Ref. 893280 AGRO-METEO QAMPO:** Remote field station (1 km) with temperature sensors and soil moisture. It is optional humidity sensor sheet.
- **Ref. 893282 DATA LOGGER QAMPO 2:** GPRS remote field station with 2 inputs for soil temp / hum sensors, leaf moisture sensor; etc ... SOLAR autonomous power supply with rechargeable lithium battery.
- **Ref. 893284 DATA LOGGER QAMPO 4:** GPRS remote field station with 4 inputs for soil temp / hum sensors, leaf moisture sensor; etc ... SOLAR autonomous power supply with rechargeable lithium battery.
- **Ref. 890011 AGRO-WEATHER CONTROL + DISPLAY:** For storage, transmission, display and control data network or Ethernet connection, data processing software, support for Green-Green-Pad Plus and update data in real-time output IP. It also sends daily reports and e-mails for alarm.
- **Ref. 890002 AGRO-WEATHER CONTROL-LINK:** For storage and transmission of data and USB or serial port, data processing software, data support, support for Green-Green-Pad Plus to update data in real time.

SENSOR MODELS:

Ref. 890002: SOIL HUMIDITY MOISTURE SENSOR.

Ref. 890003: SOIL TEMPERATURE SENSOR.

Ref. 890004: LEAF HUMIDITY SENSOR.

Ref. 890032: INOX STAND 1 m FOR FIELD STATION.

Ref. 890031: INOX STAND 2,5 m FOR WEATHER STATIONS.

Ref. 890005: SOLAR RADIATION SENSOR (only for VP-2).

Ref. 890006: UV SENSOR (only for VP-2).

Ref. 890007: TRAY FOT SENSOR ASSEMBLY OF RADIATION & UV.

Ref. 890008: KIT PH SENSOR MEASUREMENT.

Ref. 890009: SOIL CONDUCTIBILITY SENSOR.

Ref. 890015: HYDRO-PLUS WEATHER-BRIDGE.

Ref. 890010: MODEM GSM/GPRS FOR DATA TRANSMISSION.

Ref. 890013: FIELD WIRELESS REPEATER.

Ref. 890014: DATALOGGER & SOFTWARE FOR REMOTE CONTROL.

Ref. 890030: SEALED BOX WITH ELECTRONIC DATA LOGGER XP+SOFTW.

Ref. 890033: STORM GUARD.



Ref. 890002



Ref. 890030



Ref. 890013



Ref. 890009



Ref. 890033







Valves

HYDRANT VALVES

- VYR-81-82-83.....Pg. 104
- VYR-81P-82P-83PPg. 105

MICRO-VALVES

- VYR-6230.....Pg. 106

SOLENOID VALVES

- VYR-6160 BRASS VALVESPg. 107
- VYR-6400 GLOBEPg. 108
- VYR-6150 HIGH-FLOWPg. 110

HYDRAULIC VALVES AND ACCESSORIES

- VYR-6152 PLASTIC 2" and 3"Pg. 112
- VYR-6154 PLASTIC MODULAR 4"Pg. 114
- VYR-6110 METAL VALVESPg. 116
- ACCESSORIES HYDRAULIC VALVES.....Pg. 117

VYR-81 Hydrants



VYR-81 · QCV Hydrants

GENERAL PROPERTIES:

- Quick Coupling Valves designed for permanent irrigation systems in private gardens, municipal parks and sports facilities.
- Instant opening with the insertion and turning of a bayonet key. When the key is removed, the valve automatically closes.
- Body made of brass, with stainless steel springs and shaft.
- Brass or thermoplastic cover, depending on model.
- These hydrants make water available at all points in the system, providing easily accessible connection points for hoses and sprinklers.
- Ideal for providing supplementary irrigation.
- Maximum flow of up to 16 m³/h
- Working pressure between 0.2 and 10 BAR
- Pressure loss lower than 0.35 BAR in maximum flows.

APPLICATIONS:

- Private gardens and municipal parks.
- Sports facilities and golf courses.

MEASUREMENTS:

- Height: 10 and 14 cm / 3,9 and 5,5 in
- Visible cover width: 8 cm / 3,1 in
- Weight: 475 and 830 g / 1 and 1,8 Lbs
- Units per box: 50 or 30

OPTIONS:

- Complete kit with swivel elbow.

MODELS:

Ref. 108100: 3/4" FEMALE (brass tap).

Ref. 108110: 1" FEMALE.

Ref. 108111: 1" FEMALE COMPATIBLE with R.B.

Ref. 108112: 1" FEMALE (brass tap).

Ref. 108200: 1/2" female, 3/4" male thread.

Ref. 108210: 3/4" female, 1" male thread.

Ref. 108211: 3/4" female, 1" male thread compatible with R.B.

Ref. 108300: 3/4" female thread, hose outlet. 20 mm

Ref. 108301: 3/4" thread, threaded outlet. 3/4" male.

Ref. 108310: 1" female thread, hose outlet. 25 mm

Ref. 108311: 1" female thread, 1" male outlet.



VYR-81P Hydrants



VYR-81P · QCV Hydrants

GENERAL PROPERTIES:

- Irrigation outlet designed for permanent irrigation systems in private gardens, municipal parks and sports facilities.
- Instant opening by insertion and turning of a bayonet key. When the key is removed, the valve automatically closes.
- Made of nylon 6.6 and reinforced with fiberglass, with stainless steel spring.
- Thermoplastic cover.
- These hydrants make water available at all points in the system, providing easily accessible connection points for hoses and sprinklers.
- Ideal for providing supplementary irrigation.
- Maximum flow of up to 16 m³/h
- Working pressure between 0.2 and 10 BAR
- Pressure loss lower than 0.35 BAR in maximum flows.

APPLICATIONS:

- Private gardens and municipal parks.
- Sports facilities and golf courses.

MEASUREMENTS:

- Height: 10 or 14 cm / 3,9 and 5,5 in
- Visible cover width: 8 cm / 3,1 in
- Weight: 215 g and 275 g / 0,47 and 0,60 Lbs
- Units per box: 15 or 10

OPTIONS:

- Complete kit with swivel elbow.

MODELS:

Ref. 108120: Hydrant 3/4" M

Ref. 108130: Hydrant 1" M

Ref. 108220: Bayonet Key-Tool 3/4" M

Ref. 108230: Bayonet Key-Tool 1" M

Ref. 108125: Saddle 3/4"

Ref. 108126: Saddle 1"

VYR-6230 Micro-Valves



Ref. 623004



Ref. 623001



Filter



Ref. 623005

VYR-6230 MICRO-VÁLVULAS · Solenoid valves

GENERAL PROPERTIES:

- 2-way microvalves.
- 3/4" male thread BSP.
- Normally closed.
- Valve body made of nylon 6.6 with 30% fiberglass.
- Permanently clean because of the built-in steel mesh filter.
- Assembled with screws and stainless steel spring.
- Nitrile diaphragm.
- 24 VAC solenoid.
- Working temperature between 2° and 80° C
- Recommended working pressure of 1 to 10 BAR / 14 to 145 PSI.
- Opening and closing response time of 0.5 seconds.
- Resistance test carried out for 25,000 cycles at 15 BAR and 80° C
- Complies with standard UNE 68-074-86/ISO 7714.

APPLICATIONS:

- Drip irrigation and micro-sprinklers.
- Threaded directly to a sprinkler to create automatic sprinklers with independent opening valve.

MEASUREMENTS:

- Sprinkler height: 5 cm / 2 in
- Length: 10 cm / 3,9 in
- Visible width from the cover: 4 cm / 1,6 in
- Weight: 110 g / 0,24 Lbs
- Units per box: 10

OPTIONS:

- Valve with 12 VDC solenoid.
- Valve with 9-12 VDC LATCH solenoid.

MODELS:

Ref. 623001: Micro-valv. 24Vac. 3/4"M -10,5 mm

Ref. 623002: Micro-valv 24Vac. 3/4"M -20 mm

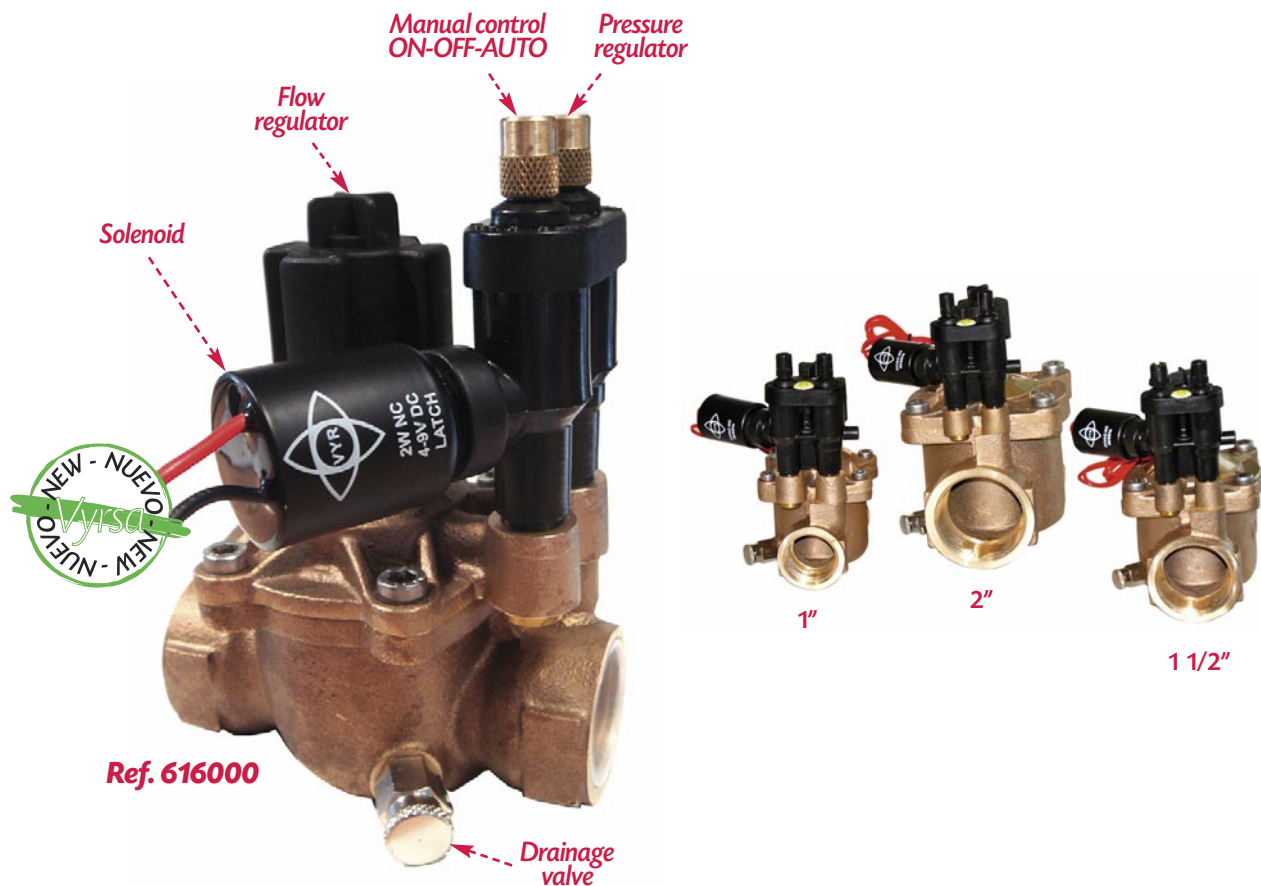
Ref. 623004: Micro-valv HIGH-FLOW 24Vac. 3/4"M -3/4"M

Ref. 623005: Micro-valv.+MANIFOLD 24Vac. 3/4"M - 3/4"M-3/4"H



VYR-6160

Precision Solenoid Valves



Ref. 616000

VYR-6160 BRASS SOLENOID VALVE · Solenoid valves

GENERAL PROPERTIES:

- Valve made of brass and stainless steel. Hi-flow diaphragm and resistant to high pressure.
- Manual Steering Kit with 3-way valve.
- Kit pressure regulator and sustainer control.
- Solenoid valve.
- Flow regulator.
- Clean permanent filter through the steel mesh incorporated.
- Assembled with screws and stainless steel spring.
- Reinforced EPDM diaphragm material.
- Solenoid Series 24 V. ac. (SEE OPTIONS).
- Working temperature between 2° and 80° C
- Recommended working pressure of 1 to 10 BAR / 14 to 145 PSI.
- Opening and closing response of 0.5 s.
- Resistance test performed for 25,000 cycles at 15 BAR / 218 PSI and 80° C
- Built-in flow control.
- Flow range between 38 to 240 l/min / 600 to 3.800 GPH
- Removable from the top to the settlement or replacement of parts
- Meet the UNE 68-074-86 / ISO 7714 quality standards.

APPLICATIONS:

- Gardening residential particular.
- Industrial uses for fluid control.
- Drip irrigation and agricultural plants in greenhouses and horticultural facilities.

MEASUREMENTS:

- Height: 14,5 cm, 16 cm & 18 cm / 5,7, 6,3 & 7,1 in
- Length: 10,5 cm, 13 cm & 15,5 cm / 4,1, 5,1 & 6,1 in
- Width visible from top: 7,5 cm, 8,5 cm & 10,5 cm / 3,3, 3,0 & 4,1 in
- Weight: 1.540 g / 3,4 Lbs (1"), 2.400 g / 5,3 Lbs (1 1/2") & 3.250 g / 7,2 Lbs (2")
- Units per box: 10, 4 & 2

OPCIONES:

- Kit de pilotaje manual
- Kit regulador de presión.
- Válvula con solenoide 12 V dc
- Válvula con solenoide 9-12 V dc LATCH

MODELS:

Ref. 616000: 1" BRASS, SOSTEINER + FLOW REG.

Ref. 616002: 1 1/2" BRASS, SOSTEINER + FLOW REG.

Ref. 616012: 2" BRASS, SOSTEINER + FLOW REG.

VYR-6400

Globe Solenoid Valves



Ref. 640020



VYR-6400G GLOBE SOLENOID VALVE · Solenoid valves

GENERAL PROPERTIES:

- 2-way GLOBE valves.
- 1", 1 1/2", 2" AND 3" female thread BSP.
- Kit for manual opening with 1/4" lever turn.
- Valve body made of nylon 6.6 with 30% fibreglass.
- Permanently clean because of the built-in steel mesh filter.
- Assembled with screws and stainless steel spring.
- EPDM diaphragms reinforced with fabric.
- 24 VAC solenoid as standard (SEE OPTIONS).
- Working temperature between 2° and 80° C
- Recommended working pressure 1 to 10 BAR / 14 to 145 PSI.
- Opening and closing response time of 0.5 seconds.
- Resistance test carried out for 25,000 cycles at 10 BAR / 145 PSI and 80° C
- Built-in flow regulator.
- Flow range between 38 to 240 l/min / 600 to 3.800 GPH
- Removable from the upper section for repair or replacement of parts.
- Complies with standard UNE 68-074-86/ISO 7714.4

APPLICATIONS:

- Residential and private landscaping.
- Industrial use for fluid control.
- Drip irrigation and agricultural installations in greenhouses and fields.

MEASUREMENTS:

- Height: 12,5 cm, & 14 cm / 5,7 & 7,1 in
- Length: 11 cm, & 13 cm / 4,1 & 6,1 in
- Width visible from top: 9 cm / 4,1 in
- Weight: 405 g / 3,4 Lbs (1"), & 425 g / 5,3 Lbs (1 1/2")
- Units per box: 10 & 6

OPTIONS:

- Manual driving kit
- Pressure regulator kit.
- Valve with 12 VDC solenoid.
- Valve with 9-12 VDC LATCH solenoid.

MODELS:

Ref. 640020: Solenoid Globe-valve 1", of 24 Vac.

Ref. 640030: Solenoid Globe-valve 1 1/2", of 24 Vac.

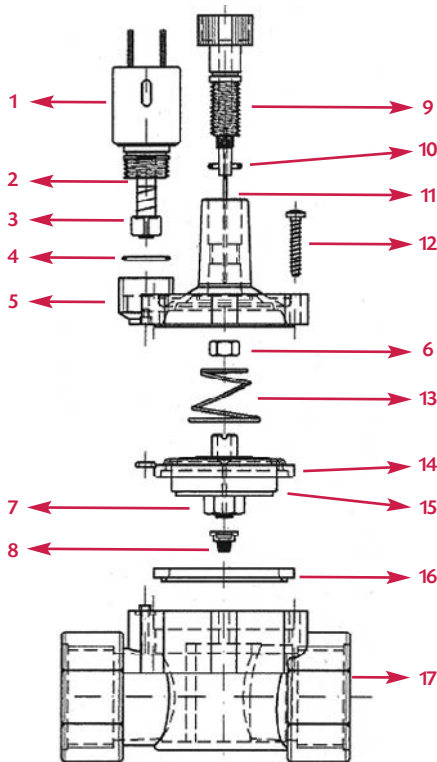
Ref. 640020L: Solenoid Globe-valve 1", of 9-12 Vdc Latch.

Ref. 640030L: Solenoid Globe-valve 1 1/2", of 9-12 Vdc Latch.

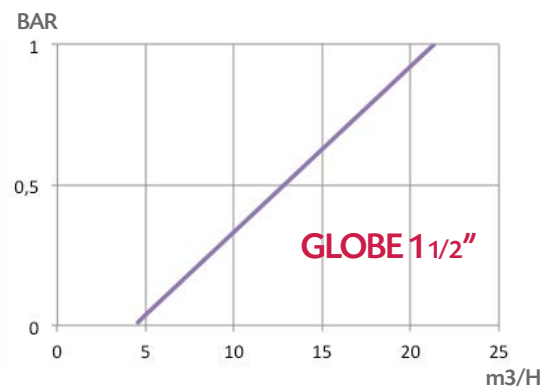
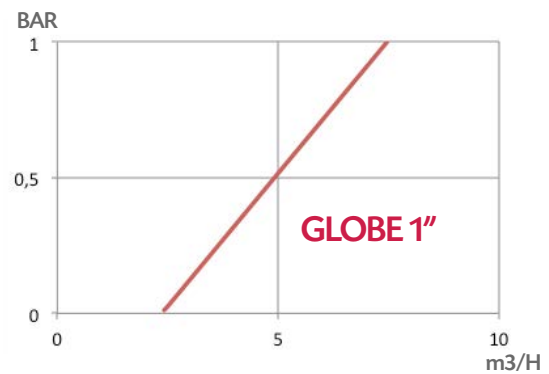
SOLENOID-VALVES "VYR GLOBE":

The design and quality of the product range offered VYR one of the valves more reliable and robust in the market.

GLOBE design provides maximum resistance under hammer effects, and offers a minimum pressure drop. The top cover can be injected in lavender color for use with recycled water.



PRESSURE LOST "VYR GLOBE":



METRIC Valve Performance: Pressure Lost (BAR) vs. Flow (m3/h)

| FLOW m ³ /h | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 14 | 16 | 20 | 25 | 30 | 40 | 50 | 60 |
|---------------------------|---|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|----|----|
| 1" | | 0,23 | 0,24 | 0,28 | 0,35 | 0,46 | 0,60 | 0,82 | 0,97 | 0,97 | | | | | | | | |
| 1" 1/2 | | | | 0,15 | 0,17 | 0,18 | 0,19 | 0,20 | 0,21 | 0,30 | 0,43 | 0,55 | 0,87 | | | | | |

IMPERIAL Valve Performance: Pressure Lost (PSI) vs. Flow (GPM)

| FLOW GPM | 0,5 | 0,8 | 1,1 | 1,3 | 1,6 | 1,9 | 2,1 | 2,4 | 2,6 | 3,2 | 3,7 | 4,2 | 5,3 | 6,6 | 7,9 | 10,5 | 13,2 | 15,8 |
|-------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|------|-----|-----|------|------|------|
| 1" | | 3,3 | 3,5 | 4,1 | 5,1 | 6,7 | 8,7 | 11,9 | 14,1 | 17,7 | | | | | | | | |
| 1" 1/2 | | | | 2,2 | 2,5 | 2,6 | 2,8 | 2,9 | 3,0 | 4,4 | 6,2 | 8,0 | 12,6 | | | | | |

VYR-6150 HF Valves



Pressure Regulator PN-12
Reg. 0,5 - 7 BAR



VYR-6150 HF VALVES · Solenoid & hydraulic valves with flow regulator

GENERAL PROPERTIES:

- Two way HIGH-FLOW valves, body design allows full flow.
- 1", 1 1/2", 2" and 3" female thread BSP.
- Kit for manual opening with 1/4" lever turn.
- Valve body made of nylon 6.6 with 30% fiberglass.
- Permanently clean because of the built-in steel mesh filter.
- Assembled with screws, shaft and spring made of stainless steel.
- Body with brass inserts for screws.
- EPDM diaphragms reinforced with fabric.
- 24 VAC solenoid (SEE OPTIONS).
- Working temperature between 2° and 80° C
- Recommended working pressure of 1 to 10 BAR / 14 to 145 PSI
- Opening and closing response time of 0.5 seconds.
- Resistance test carried out for 25,000 cycles at 10 BAR /145 PSI and 0-80° C
- Built-in flow regulator.
- Flow range between 38 to 240 l/min / 600 to 3800 GPH
- Removable from the upper section for repair or replacement of parts.
- Works at very low flows and pressure (0,6 BAR /9 PSI), ideal for drip irrigation.
- Resistant when operating with wastewater.
- Complies with standard UNE 68-074-86/ISO 7714.

APPLICATIONS:

- Professional landscaping, urban and commercial areas, sports fields, golf courses, residential and private areas.
- Industrial use for fluid control & Water treatment.
- Drip irrigation and agricultural installations in greenhouses and fields.

MEASUREMENTS:

- Height: 39 cm (1"), 29 cm (1 1/2"), 29 cm (2") & 29 cm (3")
5,5 in (1"), 5,5 in (1 1/2"), 8,3 in (2") & 8,7 in (3")
- Length: 39 cm (1"), 29 cm (1 1/2"), 29 cm (2") & 29 cm (3")
4,7 in (1"), 5,5 in (1 1/2"), 9,1 in (2") & 9,4 in (3")
- Width: 39 cm (1"), 29 cm (1 1/2"), 29 cm (2") & 29 cm (3")
3,5 in (1"), 3,5 in (1 1/2"), 6,3 in (2") & 6,3 in (3")
- Weight: 190 g (1"), 190 g (1 1/2"), 190 g (2") & 240 g (3")
0,55 Lbs (1"), 0,70 Lbs (1 1/2"), 3 Lbs (2") & 3,5 Lbs (3")
- Units per box: 20 (1"), 20 (1 1/2"), 20 (2") & 20 (3")

MODELS:

- Ref. 615010: 1" NYLON, 2-WAY without flow regulator **24 Vac.**
 Ref. 615011: 1" NYLON, 2-WAY with flow regulator **24 Vac.**
 Ref. 615012: 1 1/2" NYLON, 2-WAY with flow regulator **24 Vac.**
 Ref. 615020: 2" NYLON, 2-WAY with flow regulator **24 Vac.**
 Ref. 615030: 3" NYLON, 2-WAY with flow regulator **24 Vac.**

- Ref. 615010L: 1" NYLON, 2-WAY without flow regulator **9-12Vdc Latch.**
 Ref. 615011L: 1" NYLON, 2-WAY with flow regulator **9-12Vdc Latch.**
 Ref. 615012L: 1 1/2" NYLON, 2-WAY with flow regulator **9-12Vdc Latch.**
 Ref. 615020L: 2" NYLON, 2-WAY with flow regulator **9-12Vdc Latch.**
 Ref. 615030L: 3" NYLON, 2-WAY with flow regulator **9-12Vdc Latch.**

- Ref. 615150: 1" NYLON, HYDRAULIC without flow regulator.
 Ref. 615151: 1" NYLON, HYDRAULIC with flow regulator.
 Ref. 615152: 1 1/2" NYLON, HYDRAULIC with flow regulator.
 Ref. 615170: 2" NYLON, HYDRAULIC with flow regulator.
 Ref. 615180: 3" NYLON, HYDRAULIC with flow regulator.

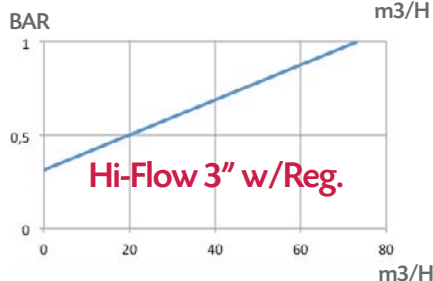
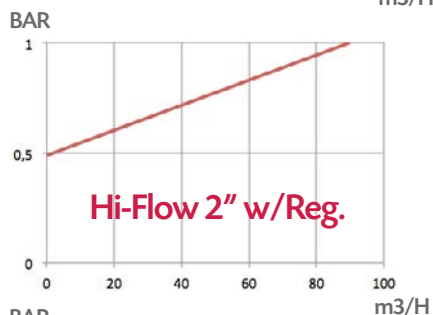
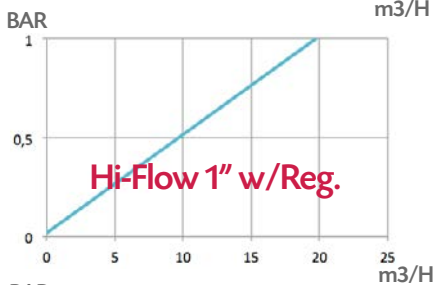
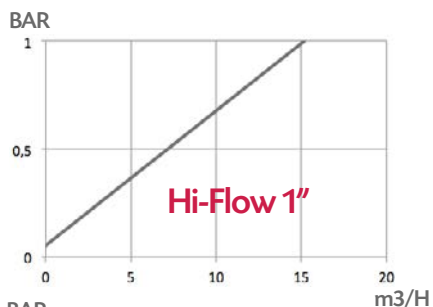
- Ref. 620021: Pressure Regulator KIT + Pressure Gauge

METRIC Valve Performance: Pressure Lost (BAR) vs. Flow (m³/h)

| FLOW m ³ /h | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 14 | 16 | 20 | 25 | 30 | 40 | 50 | 60 |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1" | 0,23 | 0,24 | 0,28 | 0,35 | 0,46 | 0,60 | 0,82 | 0,97 | 1,22 | | | | | | | | | |
| 1" 1/2 | | | | 0,15 | 0,17 | 0,18 | 0,19 | 0,20 | 0,21 | 0,30 | 0,43 | 0,55 | 0,87 | | | | | |
| 2" | | | | | | | | | 0,16 | 0,20 | 0,24 | 0,29 | 0,32 | 0,40 | 0,50 | 0,55 | 0,61 | 0,78 |
| 3" | | | | | | | | | 0,18 | 0,22 | 0,27 | 0,31 | 0,35 | 0,43 | 0,55 | 0,60 | 0,65 | 0,82 |

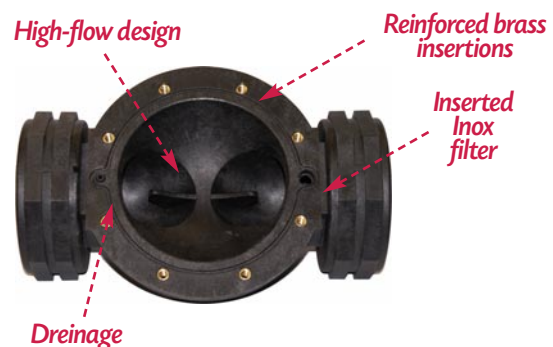
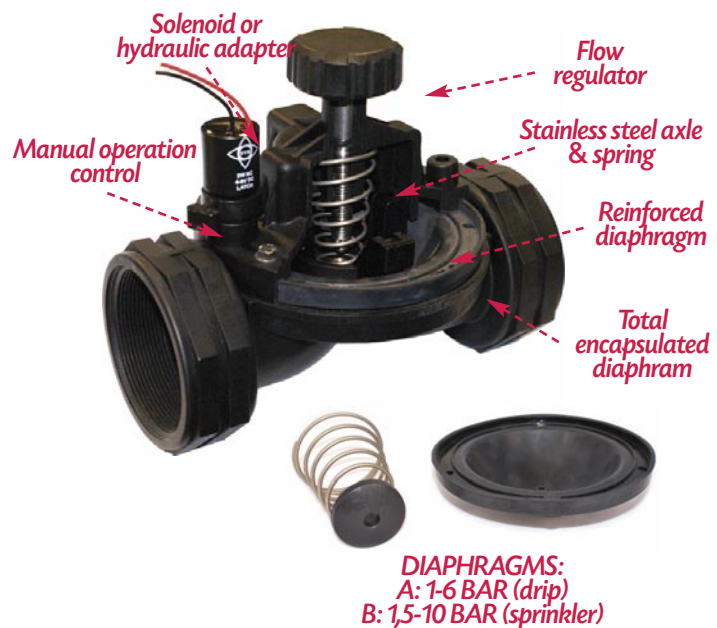
IMPERIAL Valve Performance: Pressure Lost (PSI) vs. Flow (GPM)

| FLOW GPM | 0,5 | 0,8 | 1,1 | 1,3 | 1,6 | 1,9 | 2,1 | 2,4 | 2,6 | 3,2 | 3,7 | 4,2 | 5,3 | 6,6 | 7,9 | 10,5 | 13,2 | 15,8 |
|-------------|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|------|-----|-----|------|------|------|
| 1" | 3,3 | 3,5 | 4,1 | 5,1 | 6,7 | 8,7 | 11,9 | 14,1 | 17,7 | | | | | | | | | |
| 1" 1/2 | | | | 2,2 | 2,5 | 2,6 | 2,8 | 2,9 | 3,0 | 4,4 | 6,2 | 8,0 | 12,6 | | | | | |
| 2" | | | | | | | | | 2,3 | 2,9 | 3,5 | 4,2 | 4,6 | 5,8 | 7,3 | 8,0 | 8,8 | 11,3 |
| 3" | | | | | | | | | 2,6 | 3,2 | 3,9 | 4,5 | 5,1 | 6,2 | 8,0 | 8,7 | 9,4 | 11,9 |



SOLENOID-VALVES "VYR Hi-Flow":

The design and quality of the product range offered VYR one of the valves more reliable and robust in the market. Hi-Flow design provides maximum performance, and with a minimum pressure drop. Furthermore, the internal cavity of the seat of the membrane is self-cleaning, preventing the accumulation of dirt and possible blockage. The top cover can be injected in lavender color for use with recycled water.

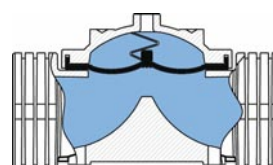
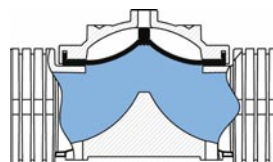
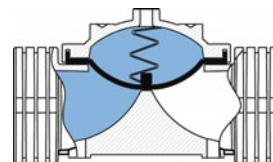


VYR-6152

Hydraulic plastic valves HPV



Ref. 615230



VYR-6152 HYDRAULIC VALVES HPV · Hydraulic Valves

GENERAL PROPERTIES:

- Hydraulic Hi-Resistance Plastic Valves.
- Body and lid made of reinforced nylon 6.6 with 30% glass fiber.
- Reinforced EPDM diaphragm material.
- Clean permanent filter through the brass with steel mesh embedded in any assembly.
- Assembled with screws, shaft and stainless steel spring.
- MOUNTING OPTIONS SEE TABLE "VALVES".
- Working temperature between 2° and 70° C
- Recommended working pressure of 1 to 10 BAR / 14 to 145 PSI
- Opening and closing response of 0.7 s.
- Resistance test performed for 25,000 cycles at 10 BAR / 145 PSI and 80° C / 175° F
- Flow range of 9 m³/h to 100 m³/h / 2.376 to 26.400 GPH
- Removable from the top to the settlement or replacement of parts.
- Meet the UNE 68-074-86 / ISO 7714.

APPLICATIONS:

- Agricultural irrigation, sports facilities, golf courses, urban and commercial areas.
- Industrial use for fluid control.
- Drip irrigation and greenhouses.

MEASUREMENTS:

- Height: 14 cm (2") & 15 cm (3")
5,5 in (2") & 5,9 in (3")
- Length: 23 cm (2") & 24,5 cm (3")
9,1 in (2") & 29,6 in (3")
- Width: 14 cm (2") & 16 cm (3")
5,5 in (2") & 6,3 in (3")
- Weight: 1190 g (2") & 1430 g (3")
2,6 Lbs (2") & 3,2 Lbs (3")
- Units per box: 4 (2") & 2 (3")

OPTIONS:

- Complete kit with key and elbow.

MODELS:

Ref. 615220: 2" NYLON, 3 WAY

Ref. 615230: 3" NYLON, 3 WAY



DIAPHRAMS:
A: 1-6 BAR (drip)
B: 1,5-10 BAR (sprinkler)

Assembly options VYR-6152



| THREAD Ø | BASIC | HV+HP | HV+SO | HV+HP+SO | HV+HP+SO+RP | HV+HP+RP | HV+SO+RP | HV+HP+RP+SP | HV+HP+SO+RP+SP |
|-------------|--------|--------|--------|----------|-------------|----------|----------|-------------|----------------|
| | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| 2" | 615220 | 615221 | 615222 | 615223 | 615224 | 615225 | 615226 | 615227 | 615228 |
| 3" | 615250 | 615251 | 615252 | 615253 | 615254 | 615255 | 615256 | 615257 | 615258 |

AV: Angle 90° (mark AV after reference).

HV: Hydraulic Valve.

RP: Pressure Regulator Pilot.

HP: Hydraulic accessories

(3 way-valve +racords +filter +pipe+ assembl.).

SP: Pressure Sustainer Pilot.

FL: Flow limiter.

FM: Flow Meter (digital output).

SO: Solenoid.

FV: Float valve.

BROWSE OUR VALVE CATALOG FOR MORE TECHNICAL INFORMATION AND MEASURES AVAILABLE

NOTE: All valves includes mounted filter, installation, fittings, micropipe and solenoid of 24 Vac model will be served if not other specified voltage. The standard flow meters are Woltman type and if you prefer TANGENTIAL type, please ask for the correct reference to our commercial department.

VYR-6152 CONNECTIONS & ADAPTERS · Hydraulic valves

GENERAL PROPERTIES:

- Adapters for plastic hydraulic valves.
- Made of PVC and PE.
- Reinforced flanges with metal ring.
- System for PE thermo-sealed.

MODELS:

Ref. 615280: Nipple 2" - VITAULIC

Ref. 615281: Nipple 3" - VITAULIC

Ref. 615250: Nipple 2"

Ref. 615251: Nipple 3"

Ref. 615252: Nipple 4"

Ref. 615260: Nipple 2" for glued PVC Ø 50

Ref. 615261: Nipple 3" for glued PVC Ø 75

Ref. 615270: Adapter 3" M for FLANGE Ø 75

Ref. 615271: Adapter 4" M for FLANGE Ø 100

Ref. 615290: Thread adapter 3" M for PE-THERMO

Ref. 615291: Thread adapter 4" M for PE-THERMO



VYR-6154

Hydraulic Plastic Valves HMPV



BASIC VALVE 4"



+ THREAD H



+ FLANGED



+ PVC GLUED



+ SLOTTED

VYR-6154 · 4" Modular Hydraulic Valve

GENERAL PROPERTIES:

- Special male thread connection to connect to different types of adapters: flange, thread, groove, glue pvc, PE elect.-fusion.
- High flow linear design.
- Made of polyamide with fiberglass and with additives for the protection of UV radiation.
- Chamber with natural rubber diaphragm reinforced with nylon.
- Stainless steel spring.

TECHNICAL SPECIFICATIONS:

- Measures: 4" (DN 100)
- Flow: 20 - 170 m³ / h Optional auto compensation!
- Working pressure: 0,5 - 4 BAR or 1 - 10 BAR
7 PSI - 58 PSI or 15 PSI - 145 PSI
- Connections: BSP / NPT thread, ISO / ANSI / BS flange, Slot, PVC glue, PE electro-fusion.

APPLICATIONS:

- Agriculture, gardening and industry with a perfect modular adaptation to collectors of any kind.

Consult the table of mounting options or contact our sales representatives to configure the valves according to your needs: with solenoid, reducer and/or pressure sustainer, quick relief, manual opening, flow limiting, etc ...

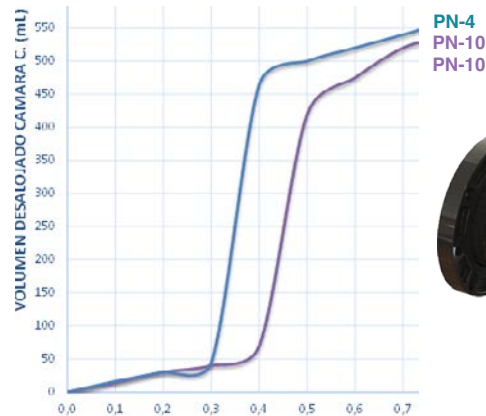
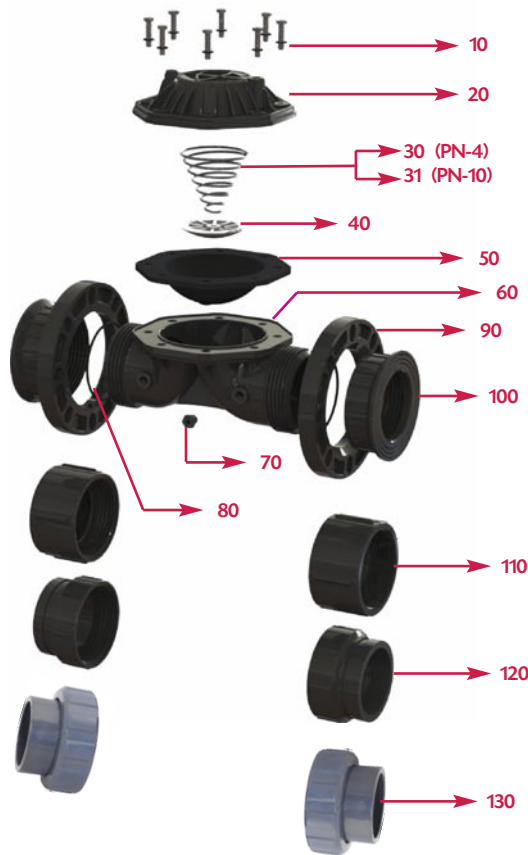
OPTIONS:

- Two types of membrane spring low or high pressure according to the needs of the customer (PN-4 or PN-10).
- On demand with ON-OFF-AUTO hydraulic opening, regulating pilots and pressure holders, solenoid, etc.

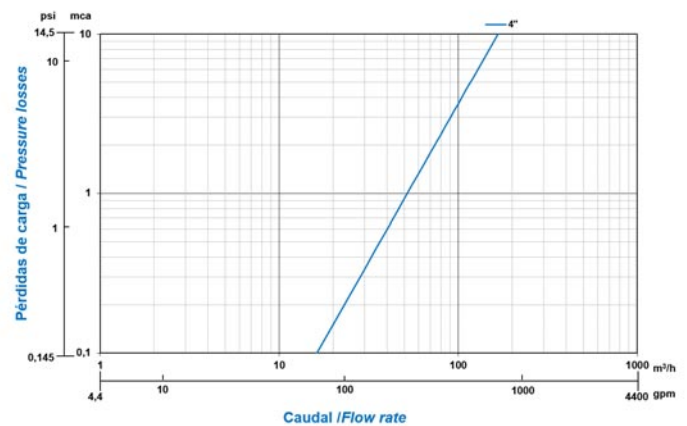
MODELS:

- Ref. 615400: HV 4" PN-4 with BASIC thread.
- Ref. 615401: HV 4" PN-4 with FLANGE couplers.
- Ref. 615402: HV 4" PN-4 with FEMALE THREAD couplers.
- Ref. 615403: HV 4" PN-4 with SLOT couplers.
- Ref. 615404: HV 4" PN-4 with PVC GLUE couplers.
- Ref. 615405: HV 4" PN-4 with PE ELECT.-WELDING couplers.
- Ref. 615410: HV 4" PN-10 with BASIC thread.
- Ref. 615411: HV 4" PN-10 with FLANGE couplers.
- Ref. 615412: HV 4" PN-10 with FEMALE THREAD couplers.
- Ref. 615413: HV 4" PN-10 with SLOT couplers.
- Ref. 615414: HV 4" PN-10 with PVC GLUE couplers.
- Ref. 0615415: HV 4" PN-10 with PE ELECT.-WELDING couplers.

- Ref. 061541: Flange adapter + Flange 4" (1 piece).
- Ref. 061542: Female Thread adapter 4" H (1 piece).
- Ref. 061543: Slot adapter 4" (1 piece).
- Ref. 061544: PVC adapter for glue 4" (1 piece).
- Ref. 061545: Electro-Welding PE 4" (1 piece).

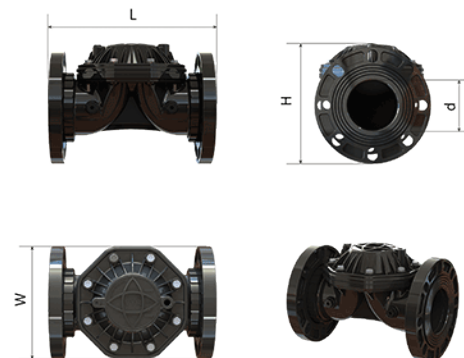


PRESSURE LOST CHART



MEASUREMENTS VYR-6154

| CONNECT. | LENGHT (L) | | HEIGHT (H) | | WIDTH (W) | | INT. DIAM. (Ø) | | WEIGHT | KV | |
|----------|------------|------|------------|-----|-----------|-----|----------------|-----|--------|------|------|
| | mm | in. | mm | in. | mm | in. | mm | in. | | m3/H | GPM. |
| FLANGE | 316 | 12.4 | 234 | 9.2 | 220 | 8.7 | 100 | 4 | 4.1 | 175 | 770 |
| THREAD | 372 | 14.6 | 189 | 7.4 | 222 | 8.3 | 100 | 4 | 3.2 | | |
| SLOT | 372 | 14.6 | 189 | 7.4 | 222 | 8.3 | 100 | 4 | 3.2 | | |
| PVC | 372 | 372 | 372 | 372 | 372 | 372 | 372 | 372 | 372 | | |
| PE-W | 372 | 372 | 372 | 372 | 372 | 372 | 372 | 372 | 372 | | |



ASSEMBLY OPTIONS VYR-6154

| CONNECTION | BASIC | HV+HP | HV+SO | HV+HP+SO | HV+HP+SO+RP | HV+HP+RP | HV+SO+RP | HV+HP+RP+SP | HV+HP+SO+RP+SP |
|------------|--------|---------|---------|----------|-------------|----------|----------|-------------|----------------|
| | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| FLANGE | 615410 | 6154111 | 6154112 | 6154113 | 6154114 | 6154115 | 6154116 | 6154117 | 6154118 |
| THREAD | 615411 | 6154121 | 6154122 | 6154123 | 6154124 | 6154125 | 6154126 | 6154127 | 6154128 |
| SLOT | 615412 | 6154131 | 6154132 | 6154133 | 6154134 | 6154135 | 6154136 | 6154137 | 6154138 |
| PVC | 615413 | 6154141 | 6154142 | 6154143 | 6154144 | 6154145 | 6154146 | 6154147 | 6154148 |
| PE-W | 615414 | 6154151 | 6154152 | 6154153 | 6154154 | 6154155 | 6154156 | 6154157 | 6154158 |

AV: Angle 90° (mark AV after reference).

HV: Hydraulic Valve.

RP: Pressure Regulator Pilot.

HP: Hydraulic accessories

(3 way-valve + records + filter + pipe + assembl).

SP: Pressure Sustainer Pilot.

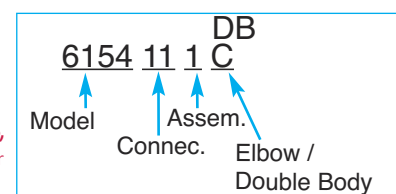
FL: Flow limiter.

FM: Flow Meter (digital output).

SO: Solenoid.

FV: Float valve.

IMPORTANT NOTE: To define the Nominal Pressure (PN) of the valve mark at the end of the reference **-16 for PN-16**, a **-06 for PN-6** and a **-04 for a PN-4**. In this way the valve will be mounted with the membrane and spring determined for that working pressure. If not defined, PN-6 and metal fittings will be sent as standard.



VYR-6110-6115-6111-6112

Hydraulic Valves

VYR-6110 · Metal Threaded Hydraulic Valves

GENERAL PROPERTIES:

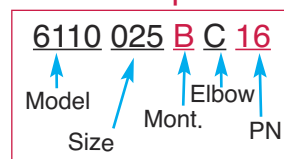
- Metal hydraulic valves with total flow, with in line or elbow design.
- Body and cap cover made of high quality cast iron.
- Doublecoated e-poxi painting.
- EPDM diaphragms reinforced with fabric.
- Always clean because of its brass filter with steel mesh built into all assemblies.
- Assembled with screws and stainless steel spring.
- Working temperature between 2° C and 80° C
- Recommended working pressure of 1 to 16 BAR / 14 to 232 PSI
- Opening and closing response time of 0.7 seconds.
- Resistance test carried out for 25,000 cycles at 15 bar and 80° C / 175° F
- Flow range between 38 and 240 l/min.
- Removable from the upper section for repair or replacement of parts.
- Complies with standard UNE 68-074-86/ISO 7714.

ASSEMBLY OPTIONS:

- A: Basic valve.
- B: Valve + Manual (3way valve)
- D: Valve + Solenoid
- E: Valve + Manual + Solenoid
- F: Valve + Manual + Solenoid + Press. Reg.
- G: Valve + Manual + Press. Reg.
- H: Valve + Solenoid + Press. Reg.
- I: Valve + Manual + Press. Reg. + Press. Sost.
- J: Valve + Manual + Solenoid + Press. Reg. + Press. Sost.
- K: Valve + Manual + Press. Sost.
- L: Valve + Manual + Limit. Reg. + Flow-Disc
- M: Valve + Manual + Solenoid + Relay
- P: Valve + Manual + Level Set
- R: Valve + Manual + Solenoid + Press. Reli. Set
- V: Valve + Manual + Press. Reli. Set



Reference Example:



VYR-6110 MODELS:

- Ref. 611025: 1"
- Ref. 611040: 1 1/2"
- Ref. 611050: 2"
- Ref. 611050C: 2" elbow
- Ref. 611063: 2 1/2"
- Ref. 611163C: 2 1/2" elbow
- Ref. 611070: 3" (3X2X3)
- Ref. 611375: 3" (3X3X3)
- Ref. 611075C: 3" ELBOW (3X3X3)
- Ref. 611379C: 3" ELBOW (3X4X3)

VYR-6115 MODELS:

- Ref. 6115050: DN-50
- Ref. 6115050C: DN-50 ELBOW
- Ref. 6115080: DN-80
- Ref. 6115100: DN-100
- Ref. 6115100C: DN-100 ELBOW
- Ref. 6115150: DN-150
- Ref. 6115150C: DN-150 ELBOW

VYR-6111 MODELS:

- Ref. 6111050: DN-50
- Ref. 6111080: DN-80 (3"X3"X3")
- Ref. 6111089: DN-80 (3"X4"X3")
- Ref. 6111080C: DN-80 ELBOW
- Ref. 6111100: DN-100
- Ref. 6111100C: DN-100 ELBOW
- Ref. 6111125: DN-125
- Ref. 6111150: DN-150
- Ref. 6111200: DN-200 (8"X8"X8")
- Ref. 6116200: DN-200 (8"X6"X8")
- Ref. 6112300: DN-300

VYR-6112 MODELS:

- Ref. 6112125: DN-125 DOUBLE BODY
- Ref. 6112250: DN-250 DOUBLE BODY



BROWSE OUR VALVE CATALOG FOR MORE TECHNICAL INFORMATION, CONFIGURATION OPTIONS AND MEASURES AVAILABLE

NOTE: All valves includes mounted filter; installation, fittings, micropipe and solenoid of 24 Vac model will be served if not other specified voltage.

VYR-6200 · Solenoids

2 WAYS SOLENOIDS

- Ref. 620121: Solenoid 12 Vdc 2W NC 1.6 mm
 Ref. 620240: Solenoid 24 Vac 2W NC 1.6 mm
 Ref. 620241: Solenoid 24 Vdc 2W NC 1.6 mm
 Ref. 622200: Solenoid 110-220 Vac 2W NC 1.6 mm
 Ref. 621201: Solenoid 9/12 Vdc LATCH 2W NC/NO 1.2 mm

3 WAY SOLENOIDS

- Ref. 621211: Solenoid 9/40 Vdc LATCH 3W + PILOT NC/NO 2.2 mm
 Ref. 621202: Solenoid 6-24 Vdc LATCH 3W + BASIC PILOT NC/NO 1.4 mm
 Ref. 621203: Solenoid 12 Vdc 3W + PILOT NC/NO 1.5 mm
 Ref. 621204: Solenoid 24 Vdc 3W + PILOT NO 1.6 mm
 Ref. 621205: Solenoid 24 Vdc 3W + PILOT NC 1.6 mm
 Ref. 621250: Solenoid LONG DISTANCE 9/12/24 Vac/dc
 Ref. 642001: Solenoid 6/30 Vdc LATCH 3W + PILOTO NC/NO 1.6 mm

BASES FOR 3 WAY SOLENOIDS

- Ref. 620010: Universal adapter solenoid with manual pilot.
 Ref. 620012: Universal adapter for 3 way solenoid with manual pilot.
 Ref. 620018: Universal adapter base for 3 way solenoid 1.8 mm
 Ref. 620026: Universal adapter base for 3 way solenoid 2.6 mm
 Ref. 620011: Universal brass hydraulic adapter for 3 way valve.

Ref. 621201



Ref. 621203

Ref. 621212



Ref. 621202



Ref. 620012



Ref. 620011



Ref. 620018

Ref. 620010



HYDRAULIC ACCESSORIES · FITTINGS, FILTERS, VALVES AND PIPE



Ref. 620021

- Working Pressure: 2 - 10 BAR
- Regulation Range: 1 - 7 BAR
- Working Temp. : +2°C / +70°C

SOLENOID-VALVE PRESSURE REGULATOR PILOT

- Ref. 620021: Adapter + Pressure Regulator + Pressure Gauge

FILTERS FOR HYDRAULIC VALVES

- Ref. 611002: Filter LARGE for hydraulic valve (1/4" M-1/8 H)
 Ref. 611009: Filter SHORT for hydraulic valve (1/4" M-1/8 H)

MICRO-PIPE AND ACCESSORIES

- Ref. 611902: Micro-pipe roll of 800 m
 Ref. 611950: Pipe cutter tool.

3-WAY VALVES

- Ref. 102700: 3-way valve 1/8" M - 1/8"F (x3).
 Ref. 102701: 3-way valve 1/4" M - 1/8"F (x3).
 Ref. 102710: 3-way valve 1/8" F - 1/8"F (x3).
 Ref. 102711: 3-way valve 1/4" F - 1/8"F (x3).
 Ref. 102702: 3-way valve HI-FLOW 1/4" M - 1/4"F (x3).

MICRO-PIPE PLASTIC FITTING CONNECTION

- Ref. 611401: T EXPRESS - EXPRESS - EXPRESS, 8 mm
 Ref. 611402: T EXPRESS - 1/8" M - EXPRESS, 8 mm
 Ref. 611403: T EXPRESS - 1/4" M - EXPRESS, 8 mm
 Ref. 611404: T ASIMETRIC 1/8" M - EXPRESS - EXPRESS, 8 mm
 Ref. 611405: T ASIMETRIC 1/4" M - EXPRESS - EXPRESS, 8 mm
 Ref. 611406: ELBOW 1/8" M - EXPRESS, 8 mm
 Ref. 611407: ELBOW 1/4" M - EXPRESS, 8 mm
 Ref. 611408: ELBOW WITH SHORT FILTER 1/4" M - EXPRESS, 8 mm
 Ref. 611409: ELBOW WITH LONG FILTER 1/4" M - EXPRESS, 8 mm
 Ref. 611410: RACORD 1/8" M - EXPRESS, 8 mm
 Ref. 611411: RACORD 1/4" M - EXPRESS, 8 mm
 Ref. 611412: UNION RACORD EXPRESS 8 mm - EXPRESS, 8 mm
 Ref. 611201: NIPPLE 1/8" M - 1/8" M
 Ref. 611202: NIPPLE 1/4" M - 1/4" M
 Ref. 611206: SLEEVE 1/8" H - 1/8" H
 Ref. 611207: SLEEVE 1/4" H - 1/4" H
 Ref. 611208: REDUCED SLEEVE 1/4" H - 1/8" H
 Ref. 611203: REDUCED NIPPLE 1/4" M - 1/8" M
 Ref. 611204: PLUG 1/8" M
 Ref. 611205: PLUG 1/4" M

MICRO-PIPE METAL FITTING CONNECTION

- Ref. 611801: T EXPRESS - EXPRESS - EXPRESS, 8 mm
 Ref. 611802: T EXPRESS - 1/8" M - EXPRESS, 8 mm
 Ref. 611803: T EXPRESS - 1/4" M - EXPRESS, 8 mm
 Ref. 611804: T ASIMETRIC 1/8" M - EXPRESS - EXPRESS, 8 mm
 Ref. 611805: T ASIMETRIC 1/4" M - EXPRESS - EXPRESS, 8 mm
 Ref. 611806: ELBOW 1/8" M - EXPRESS, 8 mm
 Ref. 611816: ELBOW 1/4" M - EXPRESS, 8 mm
 Ref. 611817: ELBOW EXPRESS, 8 mm - EXPRESS, 8 mm
 Ref. 611807: RACORD 1/8" M - EXPRESS, 8 mm
 Ref. 611808: RACORD 1/4" M - EXPRESS, 8 mm
 Ref. 611812: UNION RACORD EXPRESS 8 mm - EXPRESS, 8 mm
 Ref. 611810: RACORD H, 1/8" M - EXPRESS, 8 mm
 Ref. 611811: RACORD H, 1/4" M - EXPRESS, 8 mm

Pressure Regulators

FIXED PRESSURE REGULATORS

- VYR-19 FPRPg. 120
- VYR-19 LPRPg. 120
- VYR-19 MPRPg. 120
- VYR-19 HPRPg. 121



VYR-19 FPR

VYR-19 MPR · 1" Pressure-Regulator with integrated Y filter

GENERAL PROPERTIES:

- Pressure regulators VYR-19 FPR.
- Made of nylon 6.6, polypropylene, rubber and stainless steel.
- BSP thread 1" M x 1" M.
- Stainless steel spring, high quality with continuous and uniform strength.
- Flow of 0,2 to 3,5 m³/h (0,9 - 8 GPM).
- Recommended. work press. 8,5 BAR (150 PSI).

MODELS:

- Ref. 141915: 1" M X 1" M, 15 PSI / 1,15 BAR (Pres. Max.= 6 BAR / 0,6 - 3,5 m³/H)
- Ref. 141925: 1" M X 1" M, 25 PSI / 1,70 BAR (Pres. Max.= 7,2 BAR / 0,6 - 3,5 m³/H)
- Ref. 141945: 1" M X 1" M, 45 PSI / 3,10 BAR (Pres. Max.= 8,3 BAR / 0,6 - 3,5 m³/H)

MEASUREMENTS :

- Height: 11 cm
- Width: 15 cm
- Peso: 150 gr
- Units per box: 100



VYR-19 LPR

VYR-19 MPR · Mini Pressure-Regulator

GENERAL PROPERTIES:

- Pressure regulators VYR-19 LPR.
- Made of nylon 6.6, polypropylene, rubber and stainless steel.
- BSP thread 3/4" H x 3/4" M (BSP).
- Stainless steel spring, high quality with continuous and uniform strength.
- Flow of 0,2 to 2,1 m³/h (0,9 - 8 GPM). Max. work press. 10 BAR (150 PSI).

MODELS:

- Ref. 131910: 3/4"H X 3/4"M-1/2"F, 10 PSI / 0,70 BAR (Pres. Max.= 6 BAR / 0,1 - 3,5 m³/H)
- Ref. 131920: 3/4"H X 3/4"M-1/2"F, 20 PSI / 1,38 BAR (Pres. Max.= 6,9 BAR / 0,1 - 3,5 m³/H)
- Ref. 131925: 3/4"H X 3/4"M-1/2"F, 25 PSI / 1,73 BAR (Pres. Max.= 7,2 BAR / 0,1 - 3,5 m³/H)
- Ref. 131930: 3/4"H X 3/4"M-1/2"F, 30 PSI / 2,07 BAR (Pres. Max.= 7,6 BAR / 0,1 - 3,5 m³/H)
- Ref. 131940: 3/4"H X 3/4"M-1/2"F, 40 PSI / 2,76 BAR (Pres. Max.= 8,3 BAR / 0,1 - 3,5 m³/H)
- Ref. 131950: 3/4"H X 3/4"M-1/2"F, 50 PSI / 3,45 BAR (Pres. Max.= 9 BAR / 0,1 - 3,5 m³/H)

- Ref. 131911: 1/2"M X 3/4"M-1/2"F, 10 PSI / 0,70 BAR (Pres. Max.= 6 BAR / 0,1 - 3,5 m³/H)
- Ref. 131921: 1/2"M X 3/4"M-1/2"F, 20 PSI / 1,38 BAR (Pres. Max.= 6,9 BAR / 0,1 - 3,5 m³/H)
- Ref. 131926: 1/2"M X 3/4"M-1/2"F, 25 PSI / 1,73 BAR (Pres. Max.= 7,2 BAR / 0,1 - 3,5 m³/H)
- Ref. 131931: 1/2"M X 3/4"M-1/2"F, 30 PSI / 2,07 BAR (Pres. Max.= 7,6 BAR / 0,1 - 3,5 m³/H)
- Ref. 131941: 1/2"M X 3/4"M-1/2"F, 40 PSI / 2,76 BAR (Pres. Max.= 8,3 BAR / 0,1 - 3,5 m³/H)
- Ref. 131951: 1/2"M X 3/4"M-1/2"F, 50 PSI / 3,45 BAR (Pres. Max.= 9 BAR / 0,1 - 3,5 m³/H)

Ref. 131990: Check-Valve Kit for VYR-10 MRP

MEASUREMENTS :

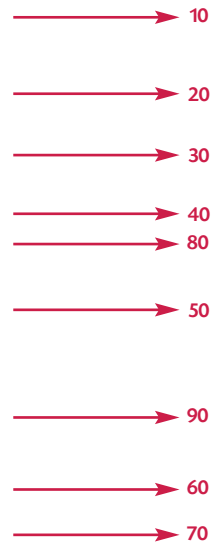
- Height: 6,5 cm
- Width: 3,5 cm
- Weight: 40 gr
- Units per box: 200



VYR-19 MPR



| REF. MUELLES | | |
|------------------|--------|--|
| 6 PSI / 0,5 BAR | 401906 | |
| 10 PSI / 0,7 BAR | 401910 | |
| 20 PSI / 1,4 BAR | 401920 | |
| 25 PSI / 1,8 BAR | 401925 | |
| 30 PSI / 2,1 BAR | 401930 | |
| 40 PSI / 2,8 BAR | 401940 | |
| 50 PSI / 3,5 BAR | 401950 | |



VYR-19 MPR · Fixed pressure regulators

GENERAL PROPERTIES:

- Pressure regulators VYR-19 MPR for agricultural and landscape use.
- Made of nylon 6.6, polypropylene, rubber and stainless steel.
- The design, with cross-sectional and longitudinal reinforcements, makes this range of pressure regulators one of most resistant on the market against high pressures and water hammer.
- Thread 3/4" H x 3/4" H (BSP).
- Stainless steel spring, high quality with continuous and uniform strength.
- Flow of 0.2 to 3,5 m³/H (0,88 - 15,4 GPM).
- Maximum working pressure 10 BAR (150 PSI).

MEASUREMENTS:

- Height: 11,5 cm / 4,5 in
- Width: 5,3 cm / 2,1 in
- Weight: 105 g / 0,23 Lbs
- Units per box: 50

MODELS:

Ref. 101906: 3/4"H x 1/2"H, 10 PSI / 0,70 BAR (Pres. Max.= 6 BAR / 0,1 - 3,5 m³/H)
 Ref. 101910: 3/4"H x 1/2"H, 10 PSI / 0,70 BAR (Pres. Max.= 6 BAR / 0,1 - 3,5 m³/H)
 Ref. 101920: 3/4"H x 1/2"H, 20 PSI / 1,38 BAR (Pres. Max.= 6,9 BAR / 0,1 - 3,5 m³/H)
 Ref. 101925: 3/4"H x 1/2"H, 25 PSI / 1,73 BAR (Pres. Max.= 7,2 BAR / 0,1 - 3,5 m³/H)
 Ref. 101930: 3/4"H x 1/2"H, 30 PSI / 2,07 BAR (Pres. Max.= 7,6 BAR / 0,1 - 3,5 m³/H)
 Ref. 101940: 3/4"H x 1/2"H, 40 PSI / 2,76 BAR (Pres. Max.= 8,3 BAR / 0,1 - 3,5 m³/H)
 Ref. 101950: 3/4"H x 1/2"H, 50 PSI / 3,45 BAR (Pres. Max.= 9 BAR / 0,1 - 3,5 m³/H)

Ref. 101906: 3/4"H x 3/4"H, 10 PSI / 0,70 BAR (Pres. Max.= 6 BAR / 0,1 - 3,5 m³/H)
 Ref. 101910: 3/4"H x 3/4"H, 10 PSI / 0,70 BAR (Pres. Max.= 6 BAR / 0,1 - 3,5 m³/H)
 Ref. 101920: 3/4"H x 3/4"H, 20 PSI / 1,38 BAR (Pres. Max.= 6,9 BAR / 0,1 - 3,5 m³/H)
 Ref. 101925: 3/4"H x 3/4"H, 25 PSI / 1,73 BAR (Pres. Max.= 7,2 BAR / 0,1 - 3,5 m³/H)
 Ref. 101930: 3/4"H x 3/4"H, 30 PSI / 2,07 BAR (Pres. Max.= 7,6 BAR / 0,1 - 3,5 m³/H)
 Ref. 101940: 3/4"H x 3/4"H, 40 PSI / 2,76 BAR (Pres. Max.= 8,3 BAR / 0,1 - 3,5 m³/H)
 Ref. 101950: 3/4"H x 3/4"H, 50 PSI / 3,45 BAR (Pres. Max.= 9 BAR / 0,1 - 3,5 m³/H)

VYR-19 HPR

VYR-19 HPR · Fixed pressure regulators

GENERAL PROPERTIES:

- Fixed pressure reducing regulators VYR-19 HPR for agricultural use and professional landscaping.
- Manufactured in Nylon 6.6, polypropylene, EPDM rubber and stainless steel.
- Designed with transverse and longitudinal reinforcements make this range of pressure regulators of the market more resistant against high pressures and water hammer.
- Rosca EXTRA-LONG thread 3/4" H x 3/4" H (BSP).
- Stainless steel spring High quality with continuous and homogeneous force.
- Flow rate of 2-5 m³/h / 528 - 1320 GPH
- Maximum working pressure 12 BAR / 174 PSI

MEASUREMENTS:

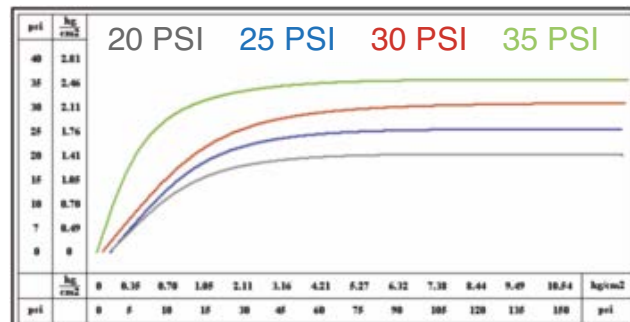
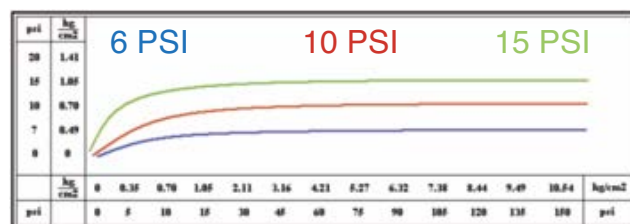
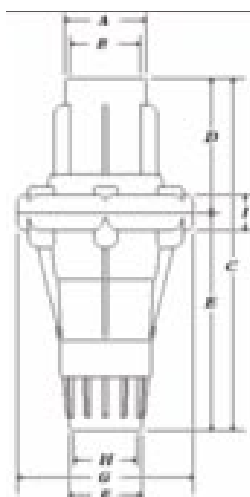
- Height: 13,8 cm / 5,4 in
- Width: 6,9 cm / 2,7 in
- Weight: 197 g / 0,43 Lbs
- Units per box: 50

MODELS:

- Ref. 111906: 3/4", 6 PSI / 0,41 BAR (Reg. Pres. Max.= 5,6 BAR / 1-5 m³/h)
 Ref. 111910: 3/4", 10 PSI / 0,70 BAR (Reg. Pres. Max.= 6 BAR / 1-5 m³/h)
 Ref. 111915: 3/4", 15 PSI / 1,05 BAR (Reg. Pres. Max.= 6,4 BAR / 1-5 m³/h)
 Ref. 111920: 3/4", 20 PSI / 1,40 BAR (Reg. Pres. Max.= 6,9 BAR / 1-5 m³/h)
 Ref. 111925: 3/4", 25 PSI / 1,85 BAR (Reg. Pres. Max.= 7,2 BAR / 1-5 m³/h)
 Ref. 111930: 3/4", 30 PSI / 2,07 BAR (Reg. Pres. Max.= 7,6 BAR / 1-5 m³/h)
 Ref. 111935: 3/4", 35 PSI / 2,46 BAR (Reg. Pres. Max.= 8 BAR / 1-5 m³/h)
 Ref. 111940: 3/4", 40 PSI / 2,80 BAR (Reg. Pres. Max.= 8,3 BAR / 1-5 m³/h)
 Ref. 111950: 3/4", 50 PSI / 3,45 BAR (Reg. Pres. Max.= 9 BAR / 1-5 m³/h)
 Ref. 111960: 3/4", 60 PSI / 3,95 BAR (Reg. Pres. Max.= 9,5 BAR / 1-5 m³/h)

- Ref. 111906: 1", 6 PSI / 0,41 BAR (Reg. Pres. Max.= 5,6 BAR / 1-5 m³/h)
 Ref. 111910: 1", 10 PSI / 0,70 BAR (Reg. Pres. Max.= 6 BAR / 1-5 m³/h)
 Ref. 111915: 1", 15 PSI / 1,05 BAR (Reg. Pres. Max.= 6,4 BAR / 1-5 m³/h)
 Ref. 111920: 1", 20 PSI / 1,40 BAR (Reg. Pres. Max.= 6,9 BAR / 1-5 m³/h)
 Ref. 111925: 1", 25 PSI / 1,85 BAR (Reg. Pres. Max.= 7,2 BAR / 1-5 m³/h)
 Ref. 111930: 1", 30 PSI / 2,07 BAR (Reg. Pres. Max.= 7,6 BAR / 1-5 m³/h)
 Ref. 111935: 1", 35 PSI / 2,46 BAR (Reg. Pres. Max.= 8 BAR / 1-5 m³/h)
 Ref. 111940: 1", 40 PSI / 2,80 BAR (Reg. Pres. Max.= 8,3 BAR / 1-5 m³/h)
 Ref. 111950: 1", 50 PSI / 3,45 BAR (Reg. Pres. Max.= 9 BAR / 1-5 m³/h)
 Ref. 111960: 1", 60 PSI / 3,95 BAR (Reg. Pres. Max.= 9,5 BAR / 1-5 m³/h)

| | |
|---|--------------------|
| A | 33 mm |
| B | 3/4"bsp x 28 mm |
| C | 138 mm |
| D | 54 mm |
| E | 84 mm |
| F | 34 mm |
| G | 70 mm |
| H | 3/4"bsp x 18 mm |
| I | 15 mm |



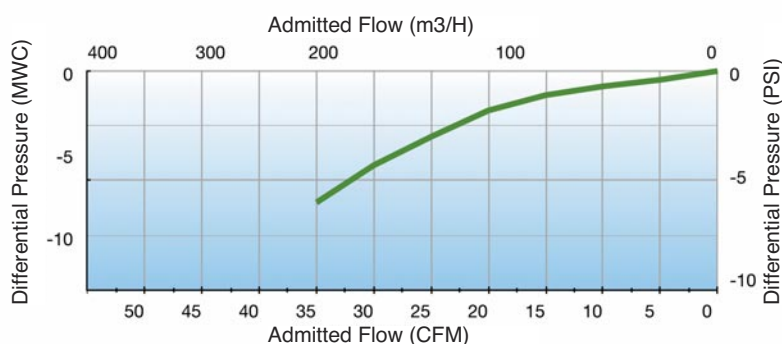
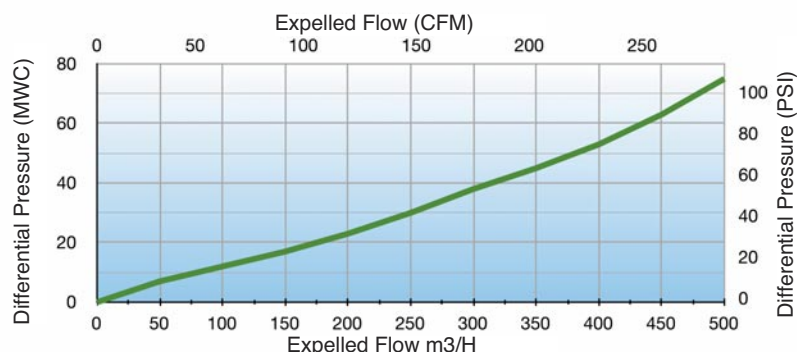


Air Release Valves

AIR RELEASE VALVES

- VYR-39 SIMPLE EFFECTPág. 122
- VYR-39 DOUBLE-TRIPLE-EFFECT ..Pág. 123
- VYR-39 TRIPLE-EFFECT.....Pág. 124

VYR-39 Mono-functional



VYR-39 MONO-FUNCTIONAL · Air Release Valve

GENERAL PROPERTIES:

- Double or triple action kinetic air valves to extract and impel air from and into irrigation systems.
- Made of nylon 6.6 and reinforced with 30% fiberglass. Rubber closure gasket and polystyrene float.
- Operating range of 0.5 to 16 BAR (7 - 230 PSI)
- Continuous operation.
- Automatic effect.
- Extracts more than 500 m³/h of air on filling the installation, without the valve closing through absence of air.
- Extraction of more than 45 m³/H (58 PSI). of air in installations with hydraulic pressures of 0,4 BAR (7 PSI).
- **It extracts** the air from the installation while the pipelines are filling. When the water reaches the inside of the valve, the float rises and closes the discharge outlet.
- Boca de salida de evacuación de aires con rosca "loca" de 1/8" hembra.
- **It prevents** the pipes from collapsing due to pressure decrease when the system is emptied. As the system is being emptied, the float drops and opens the seal, allowing air to enter the pipe.

APPLICATIONS:

- Agricultural installations, professional landscaping of all types and industrial use.

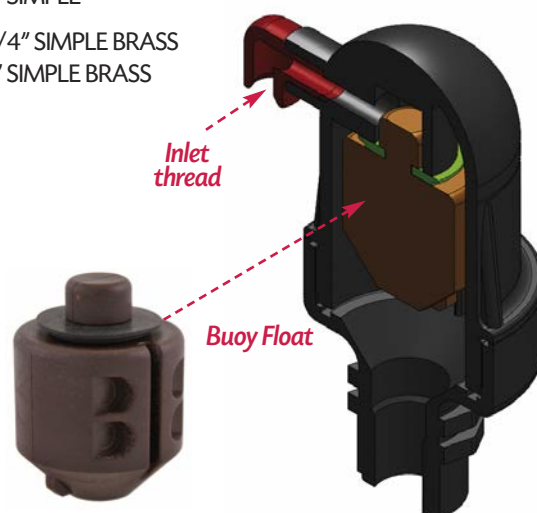
MODELS:

Ref. 103904: 3/4" SIMPLE

Ref. 103905: 1" SIMPLE

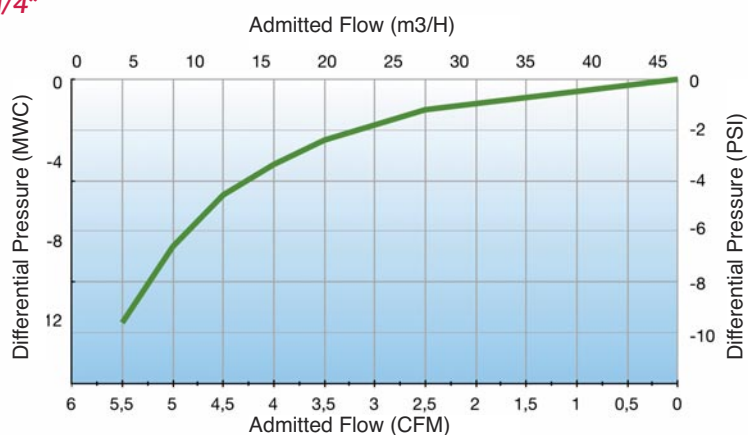
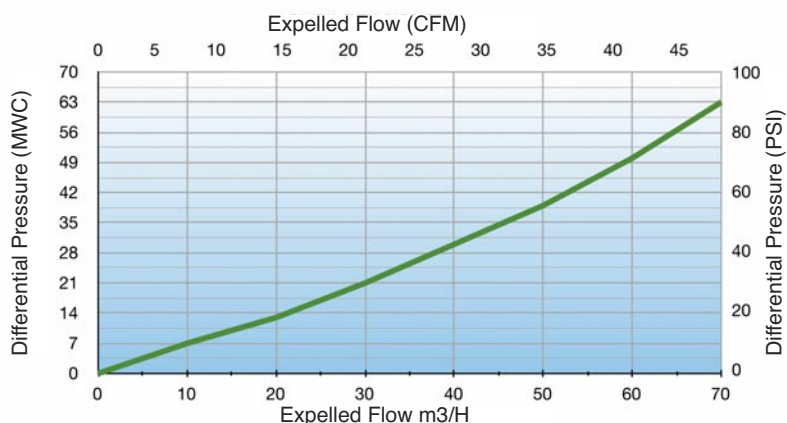
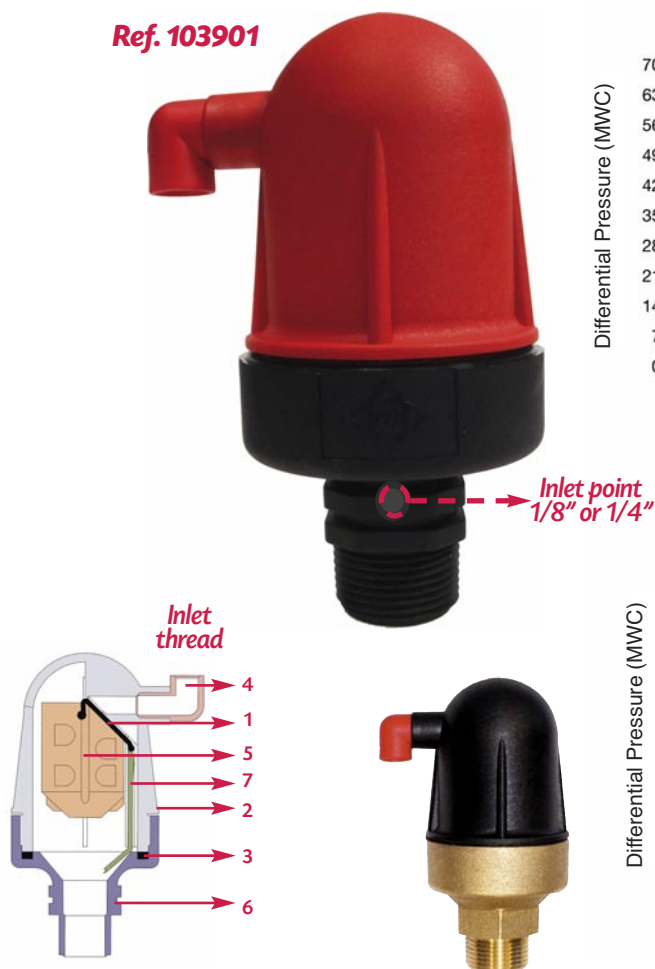
Ref. 103924: 3/4" SIMPLE BRASS

Ref. 103925: 1" SIMPLE BRASS



VYR-39 Tri-functional

Ref. 103901



VYR-39 TRI-FUNCTIONAL · Air release valves

GENERAL PROPERTIES:

- Double or triple action kinetic air valves to extract and impel air from and into irrigation systems.
- Made of nylon 6.6 and reinforced with 30% fiberglass. Rubber closure gasket and polystyrene float.
- Operating range of 0.5 to 16 BAR (7 - 230 PSI)
- Continuous operation.
- Extracts more than 500 m³/h of air on filling the installation, without the valve closing through absence of air.
- Extraction of more than 45 m³/H (58 PSI). of air in installations with hydraulic pressures of 0,4 BAR (7 PSI).
- **It extracts** the air from the installation while the pipelines are filling. When the water reaches the inside of the valve, the float rises and closes the discharge outlet.
- **It provides** automatic control, eliminating any residual air pockets from reaching the valve. This causes the float to drop, partially or totally opening the discharge outlet. The system pressure does not prevent this function from being carried out. (ONLY IN TRIPLE FUNCTION VALVES).

- **It prevents** the pipes from collapsing due to pressure decrease when the system is emptied. As the system is being emptied, the float drops and opens the seal, allowing air to enter the pipe.
- Exhaust outlet of air with "revolving elbow" thread of 1/8" female.
- Protection grille to prevent insects entering the valve and consequent float blockage.

APPLICATIONS:

- Agricultural installations, professional landscaping of all types and industrial use.

MODELS:

Ref. 103900: 3/4" TRIPLE, 0,5-6 BAR (LOW PRESSURE)

Ref. 103901: 1" TRIPLE, 0,5-6 BAR (LOW PRESSURE)

Ref. 103920: 3/4" TRIPLE BRASS, 0,5-6 BAR (LOW PRESSURE)

Ref. 103921: 1" TRIPLE BRASS, 0,5-6 BAR (LOW PRESSURE)

Ref. 103960: 3/4" TRIPLE, 2-16 BAR (HI PRESSURE)

Ref. 103961: 1" TRIPLE, 2-16 BAR (HI PRESSURE)

Ref. 103970: 3/4" TRIPLE BRASS, 2-16 BAR (HI PRESSURE)

Ref. 103971: 1" TRIPLE BRASS, 2-16 BAR (HI PRESSURE)

VYR-39

Tri-functional 2"



Ref. 103922



Ref. 103902

Inlet point
1/8" or 1/4"



VYR-39 TRI-FUNCTIONAL · Air release valves

GENERAL PROPERTIES:

- Double or triple action kinetic air valves to extract and impel air from and into irrigation systems.
- Operating range of 0.5 to 16 BAR (7 - 230 PSI)
- Continuous operation and automatic effect.
- Extracts more than 1000 m³/H (4.400 GPM) of air on filling the installation, without the valve closing through absence of air.
- Extraction of more than 200 m³/H (880 GPM) of air in installations with hydraulic pressures of 0,3 BAR (4,5 PSI).
- **It provides** the air from the installation while the pipelines are filling. When the water reaches the inside of the valve, the float rises and closes the discharge outlet.
- **It provides** automatic control, eliminating any residual air pockets from reaching the valve. This causes the float to drop, partially or totally opening the discharge outlet. The system pressure does not prevent this function from being carried out. (ONLY IN TRIPLE FUNCTION VALVES).
- **It prevents** the pipes from collapsing due to pressure decrease when the system is emptied. As the system is being emptied, the float drops and opens the seal, allowing air to enter the pipe.
- Exit air outlet with full turn.
- Protection grille to prevent insects entering the valve and consequent float blockage.

TECHNICAL SPECIFICATIONS:

- Made of nylon 6.6 and reinforced with 30% fiberglass.
- Sealing gasket, rubber and polystyrene float.
- Male thread 2" BSP or NPT.
- Swivel female elbow with 1/2" thread and anti-insects inner screen.

APPLICATIONS:

- Drip irrigation systems, sprinkler irrigation systems and industry.

MEASUREMENTS:

- Height: 25 cm
- Width: 10 cm
- Weight: 860 g and 1250 g (brass base)
- Units per box: 10

MODELS:

- Ref. 103902: 2" TRIPLE, 0,5-6 BAR (LOW PRESSURE)
- Ref. 103922: 2" TRIPLE BRASS, 0,5-6 BAR (LOW PRESSURE)
- Ref. 103952: 2" TRIPLE, 2-16 BAR (HI PRESSURE)
- Ref. 103972: 2" TRIPLE BRASS, 2-16 BAR (HI PRESSURE)

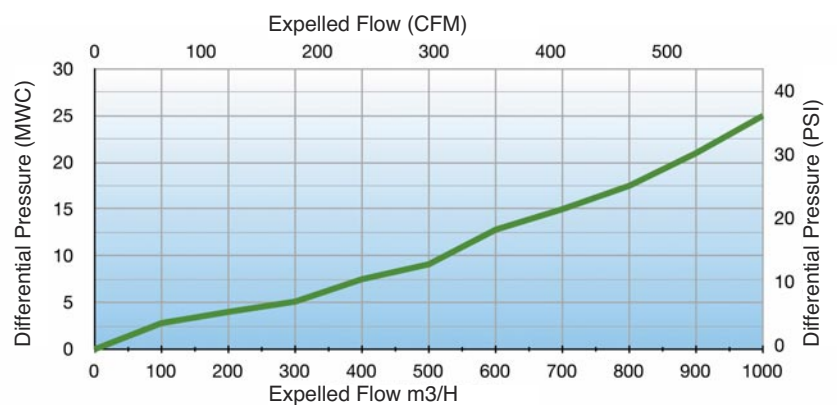
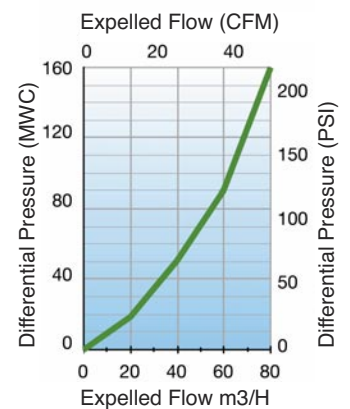


The **VYR-39 Tri-Functional** valve is designed to withstand the most stringent working conditions and efficiently expel the accumulated air in hydraulic network pipes.

The materials with which it is manufactured are resistant to exterior pressures of up to 16 BAR / 230 PSI. The double closing of static and dynamic membrane manufactured in EPDM achieve a perfect closing of the camera thus avoiding leakage of liquid.

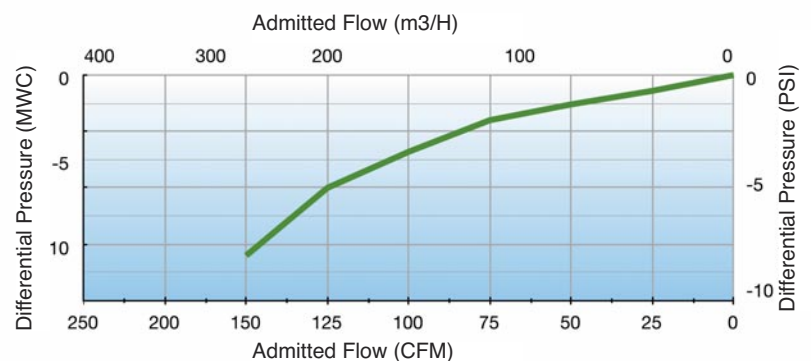
For proper operation, it is essential to have a correct vertical installation and a minimum cleaning maintenance in case there is no previous filtering.

It is recommended the installation of a ball valve coupled to the VYR-39 valve to facilitate the maintenance of this.



Black Membrane:
0,5-6 BAR / 4,5-87 PSI

White Membrane:
2-16 BAR / 15-230 PSI



| Nº | Description | Reference | Material |
|----|-----------------|-----------|---------------------------|
| 1 | Top body | 403901 | EPDM |
| 2 | Low body | 433902 | Polyamide with fiberglass |
| 3 | O-Ring | 403903 | NBR |
| 4 | Revolving Elbow | 403904 | Polypropylene |
| 5 | Buoy | 403905 | Polyestirene |
| 6 | Base of 3/4" | 403906 | Polyamide with fiberglass |
| 6 | Base of 1" | 403907 | Polyamide with fiberglass |
| 7 | Buoy Lock | 403908 | Polypropylene |





Accessories

CONNECTOR AND RACORDS

- CONNECTORSPg. 128
- SWING-PIPES AND JOINTS.....Pg. 129
- RAISERS & EXPRESS SADDLESPg. 131
- VALVE BOXESPg. 132
- MANIFOLDSPg. 134

HOSE RACORDS & NOZZLES

- VYR-6 HOSE COUPLERSPg. 138
- VYR-102 HOSE NOZZLES.....Pg. 140
- VYR-85 EXPRESS COUPLERSPg. 142

BALL VALVES

- VYR-17 / VYR-30 ARTICPg. 143
- VYR-32.....Pg. 144
- VYR-3 / VYR-32Pg. 145

SPRINKLERS STANDS

- SPIKES & BASES.....Pg. 146
- VYR-87 SLEDS & TRIPODS.....Pg. 147
- HOSES AND ACCESORIES.....Pg. 148

Threaded and barbed coupling



Ref. 105608



Ref. 105600



Ref. 105801



Ref. 105831



Ref. 105802



Ref. 103841



Ref. 103821



Ref. 103831



Ref. 103850



Ref. 103847

THREADED & BARBED COUPLING · Fittings, couplings and connections

MODELS:

PLASTIC

- Ref. 105801: MALE COUPLER 1/2" - 1/2"
- Ref. 105802: MALE COUPLER 3/4" - 3/4"
- Ref. 105803: MALE COUPLER 1" - 1"
- Ref. 105804: MALE COUPLER 1 1/2" - 1 1/2"
- Ref. 105805: MALE COUPLER 2" - 2"
- Ref. 105811: SLEEVE 1/2" - 1/2"
- Ref. 105812: SLEEVE 3/4" - 3/4"
- Ref. 105608: SPRINKLER SLEEVE 3/4" - 3/4"
- Ref. 105813: SLEEVE 1" - 1"
- Ref. 105814: SLEEVE 1 1/2" - 1 1/2"
- Ref. 105815: SLEEVE 2" - 2"
- Ref. 105821: REDUCER MALE COUPLER 1/2" - 3/4"
- Ref. 105822: REDUCER MALE COUPLER 3/4" - 1"
- Ref. 105823: REDUCER MALE COUPLER 1 1/2" - 1"
- Ref. 105831: REDUCER NUT 3/4" M - 1/2" F
- Ref. 105832: REDUCER NUT 1" M - 3/4" F
- Ref. 105833: REDUCER NUT 2" M - 1 1/2" F
- Ref. 105600: FEMALE REDUCER COUPLER 3/4" F - 1" F
- Ref. 105841: FEMALE REDUCER COUPLER 3/4" F - 1/2" F
- Ref. 105842: FEMALE REDUCER COUPLER 1" F - 3/4" F
- Ref. 105843: FEMALE REDUCER COUPLER 2" F - 1 1/2" F
- Ref. 105871: PLUG 1/2" - 1/2" M
- Ref. 105872: PLUG 3/4" - 3/4" M
- Ref. 105873: PLUG 1" - 1" M
- Ref. 105874: PLUG 1" - 1" F

BRASS

- Ref. 103801: MALE COUPLER 1/2" - 1/2"
- Ref. 103802: MALE COUPLER 3/4" - 3/4"
- Ref. 103803: MALE COUPLER 1" - 1"
- Ref. 103804: MALE COUPLER 1 1/2" - 1 1/2"
- Ref. 103805: MALE COUPLER 2" - 2"
- Ref. 103821: REDUCER MALE COUPLER 1/2" - 3/4"
- Ref. 103822: REDUCER MALE COUPLER 3/4" - 1"
- Ref. 103823: REDUCER MALE COUPLER 1 1/2" - 2"
- Ref. 103824: REDUCER MALE COUPLER 2 1/2" - 2"
- Ref. 103825: REDUCER MALE COUPLER 2 1/2" - 3"
- Ref. 103831: REDUCER NUT 3/4" M - 1/2" H
- Ref. 103832: REDUCER NUT 1" M - 3/4" H
- Ref. 103833: REDUCER NUT 2" M - 1 1/2" H
- Ref. 103600: REDUCER NUT 3/4" H - 1" H
- Ref. 103841: SLEEVE COUPLER 1/2" H
- Ref. 103842: SLEEVE COUPLER 3/4" H
- Ref. 103843: SLEEVE COUPLER 1" H
- Ref. 103844: SLEEVE COUPLER 1 1/4" H
- Ref. 103845: SLEEVE COUPLER 1 1/2" H
- Ref. 103846: SLEEVE COUPLER 2" H
- Ref. 103847: SLEEVE REDUCER COUPLER 3/4" H - 1/2" H
- Ref. 103848: SLEEVE REDUCER COUPLER 1" H - 3/4" H
- Ref. 103849: SLEEVE REDUCER COUPLER 2" H - 1 1/2" H
- Ref. 103850: PLUG 1/2" M
- Ref. 103851: PLUG 3/4" M
- Ref. 103852: PLUG 1" M

Swing-Pipes

Swing-Pipes and Swing-Joints · PVC and PE

GENERAL PROPERTIES:

- Polyethylene Swing-Joints of 1/2" and 3/4" for easy sprinkler installation and re-adjustment to the ground level.
- PVC Swing-Pipes of 1", 1 1/4" and 1 1/2" for easy sprinkler installation and re-adjustment to the ground level in sport fields and commercial areas..

MODELS:

Ref. 106801: SWING PIPE 1/2" - 1/2" M, 15 cm/6 in

Ref. 106802: SWING PIPE 3/4" - 3/4" M, 15 cm/6 in

Ref. 106803: SWING PIPE 1/2" - 1/2" M, 30 cm/12 in

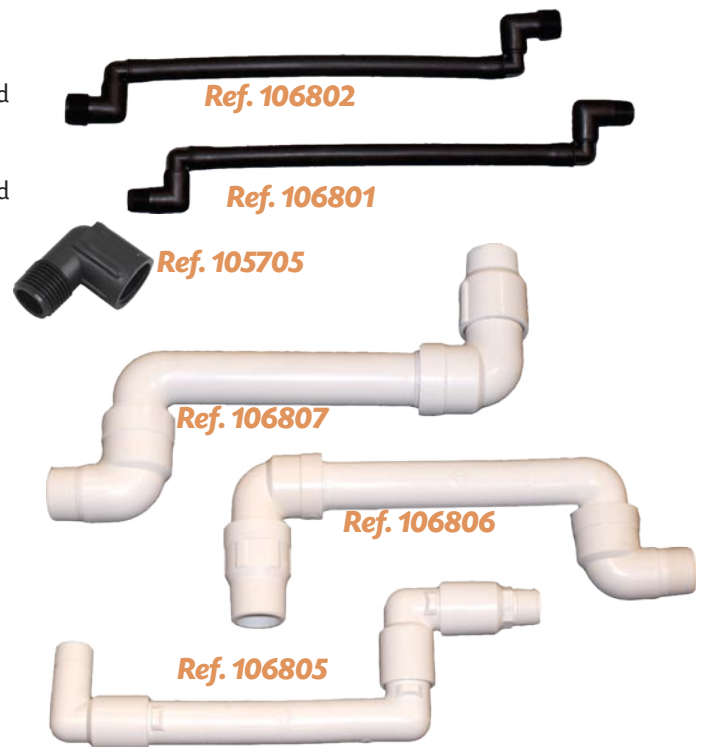
Ref. 106804: SWING PIPE 3/4" - 3/4" M, 30 cm/12 in

Ref. 105705: ELBOW 1/2" M- 1/2" F.

Ref. 106805: SWING PIPE 1" - 1" M, 30 cm/12 in (PVC)

Ref. 106806: SWING PIPE 1 1/2" - 1 1/2" M, 30 cm/12 in (PVC)

Ref. 106807: SWING PIPE 1 1/4" - 1 1/4" M, 30 cm/12 in (PVC)



THREADED & BARBED COUPLING · Fittings, couplings and connections



Ref. 105702



Ref. 105705

greenflex

Ref. 105701

Ref. 105704



Ref. 105706



Simple customized installation with the quick connect saddle and articulated elbows using flexible Green-Flex pipe.

Green-Flex pipe with inner diameter of 12,7 mm.

QUICK CONNECT ELBOW CONNECTOR VYR-1057:

Ref. 105701: Barbed ELBOW for Ø17,5 mm and 1/2" MALE.

Ref. 105702: Barbed ELBOW for Ø17,5 mm and 3/4" MALE.

Ref. 105703: Barbed CONNECTOR for Ø17,5 mm and 3/4" MALE.

Ref. 105704: Barbed CONNECTOR for Ø17,5 mm and 3/4" MALE.

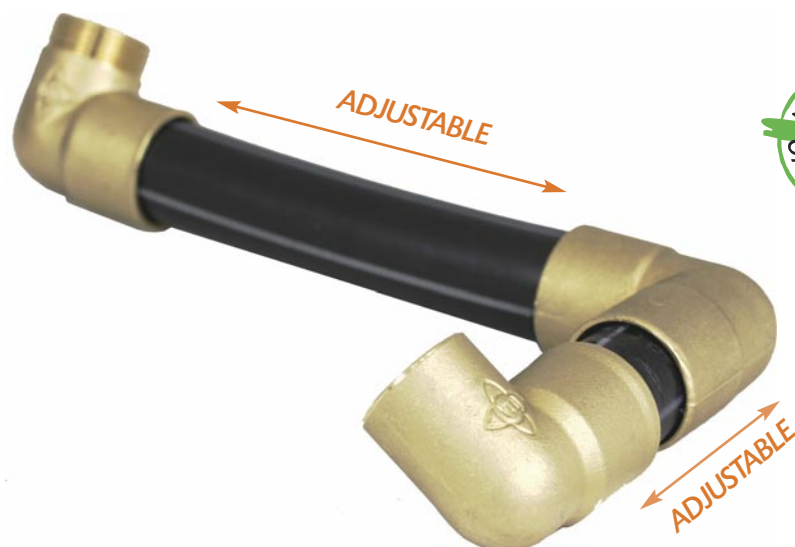
Ref. 105705: ELBOW 1/2" M- 1/2" F.

Ref. 105706: Barbed UNION CONNECTOR

Ref. 105713: Ø17,5x12,7 mm GREEN-FLEX PIPE (PN6), 50 m.

Heavy Duty Swing-Joints

Threaded and barbed couplings



THREADED & BARBED COUPLING

Fittings, couplings and connections

GENERAL PROPERTIES:

- Connection system and branches for high density PE Ø 32 piping systems.
- High security and anti-drip claw system.
- Manufactured in certified brass according to UNE regulations.
- Operating range from 0 to 16 BAR
- High precision machining.

CONNECTORS FOR SOLID SET HDPE-32 mm

Ref. 107901: ELBOW 32 mm EXPRESS - 32mm EXPRESS

Ref. 107902: ELBOW 32 mm EXPRESS - 1" M

Ref. 107903: ELBOW 32 mm EXPRESS - 3/4" H

Ref. 107911: T TRIPLE BARBED 32 mm

Ref. 107912: T 2 EXPRESS 32 mm x 1" M

Ref. 107913: T 2 EXPRESS 32 mm x 3/4" H

Ref. 107921: COUPLER EXPRESS 32 mm x 32 mm

Ref. 107923: COUPLER EXPRESS 32 mm x 1" MALE

Ref. 107922: COUPLER EXPRESS 32 mm x 3/4" FEMALE

Ref. 107930: EXPRESS PLUG 32 mm

Ref. 107918: CROSS 32 mm EXPRESS x 4

Ref. 107919: CROSS 32 mm EXPRESS x 3 - 1" M



THREADED & BARBED COUPLING · Fittings, couplings and connections



RISERS

Ref. 104201: \varnothing 3/4"

Ref. 104202: \varnothing 1/2"

Ref. 104203: \varnothing 1/2"-3/4"

Ref. 104208: \varnothing 16-50 Pipe Cutter



VYR-88 · Express Saddles

GENERAL PROPERTIES:

- Saddle connections and branch system for low/medium density pipes PE \varnothing 20-25-32-40.
- Very easy and quick to install without any need to cut and connect pipes at every node.
- High security and anti-drip system.
- Made of ultra-resistant and highly flexible plastic with certification according to UNE regulations.
- Operating range from 0 to 10 BAR.
- Wide range of models. Bagged with 5 units of saddles, one plug and one cutting tool.



1/2" - 3/4"

VYR-88 EXPRESS SADDLES:

Ref. 108801: Pipe \varnothing 20 mm / 3/4" F

Ref. 108802: Pipe \varnothing 20 mm / 1/2" F

Ref. 108804: Pipe \varnothing 25 mm / 3/4" F

Ref. 108805: Pipe 25 mm / 1" F

Ref. 108807: Pipe \varnothing 32 mm / 3/4" F

Ref. 108808: Pipe \varnothing 32 mm / 1/2" F

Ref. 108810: Tool cutter.

Ref. 108811: Plug.



VYR-6300 Valve Boxes

Strong & Secured



Ref. 630021



Ref. 630020



Ref. 630011



Ref. 630010

VALVE BOXES · Valve accessories

GENERAL PROPERTIES:

- Highly resistant garden valve boxes made of reinforced polypropylene.
- Its design allows for the quick and systematic internal addition of electrically operated valves, on/off valves, filters, etc.
- The side walls are perforated for the insertion of piping into the valve box.
- These valve boxes can be encased with concrete around their perimeter to reinforce the sides.
- The covers are made of ductile cast-iron, or plastic, and guarantee complete sealing of the box.

APPLICATIONS:

- Private and professional landscaping.
- Public and private gardens, commercial areas, sports facilities and golf courses.

MEASUREMENTS:

| | Red. Peq. | Red. Gra. | Rect. Peq. | Rect. Gran. | |
|---------|-----------|-----------|------------|-------------|---|
| Width: | 148 mm | 231 mm | 240 mm | 345 mm | |
| | 5,8 in | 9,1 in | 9,5 in | 13,5 in | |
| Height: | 237 mm | 253 mm | 175 mm | 215 mm | |
| | 9,3 in | 10 in | 6,9 in | 8,5 in | |
| Length: | --- | --- | 270 mm | 500 mm | |
| | --- | --- | 10,6 in | 19,7 in | |
| Weight: | 608 g | 1.426 g | 569 g | 1.912 g | |
| | 1,34 Lbs | 3,14 Lbs | 1,25 Lbs | 4,20 Lbs | 1 |

OPTIONS:

- Purple coloured covers to show wastewater.

MODELS:

SQUARED (L x A x H):

Ref. 630020: 270 x 240 x 175 mm

Ref. 630021: 500 x 345 x 215 mm

CIRCULAR (DxH):

Ref. 630010: Ø 148 x 237 mm

Ref. 633011: Ø 231 x 253 mm

RECYCLED
WATERS



VYR-6350 X-FORCE

Modular & Heavy Duty Valve Boxes



JUMBO VALVE BOXE · Valve Boxes

GENERAL PROPERTIES:

- Valve boxes of super-resistant design made of reinforced polypropylene.
- The design allows conditioning solenoid valves, valves, filters, etc ... inside of a simple and orderly.
- The side walls are perforated for insertion of the pipe into the manhole.
- These chests allowed to be formed with concrete in all its primetro thus strengthen even more the sides.
- The covers are made of super-reinforced plastic and UV treated to ensure total resistance to the outside.

APLICACIONES:

- Gardening private and professional.
- Private and public gardens, shopping areas, sports facilities and golf courses.

MEASUREMENTS:

Jumbo Flat

| | |
|---------|-----------|
| Length: | 700 mm |
| | 27,5 in |
| Width: | 500 mm |
| | 19,7 in |
| Height: | 320 mm |
| | 12,6 in |
| Weigth: | 4.750 g |
| | 10,45 Lbs |

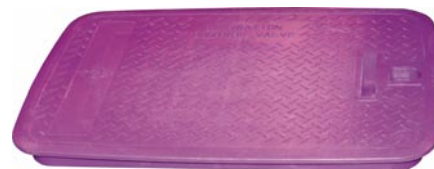
OPTIONS:

- Purple coloured covers to show wastewater.

MODELS:

SQUARED (L x A x H):

Ref. 630022: 700 x 500 x 320 mm



**RECYCLED
NON-POTABLE
WATERS**



Modular & Solid Manifolds

Secured sealed couplers



Ref. 105604

Ref. 105603

Ref. 105605

Ref. 105606

Ref. 105607



VALVE BOXES · Valve accessories

GENERAL PROPERTIES:

- Modular coupling parts for assembling of 1", 1 1/2" & 2" manifolds.
- T's, elbows, straight links and plugs. All of these are manufactured in PPc and PPFV.
- All parts are supplied with gaskets for a watertight seal between joints. No need to use Teflon or packing!
- The female accessories have sliding nuts for ease of working in confined spaces such as inside valve boxes, to enable multiple combinations and to make it easier to carry out a future valve repair.
- Complies with standard UNE 68-074-86/ISO 7714.

APPLICATIONS:

- Valve manifold assemblies in valve boxes and cabinets for private and residential gardening, drip irrigation and micro-sprinklers, greenhouses and industrial uses.

OPTIONS:

- Available in 2, 3, 4, 5 and 6 valve configurations.



MODELS:

Ref. 105603: T H-H-M 1"

Ref. 105604: ELBOW H-M 1"

Ref. 105605: ELBOW H-H 1"

Ref. 105606: COUPLER 1

Ref. 105607: MALE PLUG 1"

Ref. 105608: FEMALE PLUG 1"

Ref. 105609: CROSS H-H-H-M 1"

Ref. 105613: T H-H-M 1 1/2"

Ref. 105614: ELBOW H-M 1 1/2"

Ref. 105615: ELBOW H-H 1 1/2"

Ref. 105616: COUPLER 1 1/2"

Ref. 105617: MALE PLUG 1 1/2"

Ref. 105618: FEMALE PLUG 1 1/2"

Ref. 105619: CROSS H-H-H-M 1 1/2"

Ref. 105623: T H-H-M 2"

Ref. 105624: ELBOW H-M 2"

Ref. 105625: ELBOW H-H 2"

Ref. 105626: COUPLER 2"

Ref. 105627: MALE PLUG 2"

Ref. 105628: FEMALE PLUG 2"

Ref. 105629: CROSS H-H-H-M 2"

Ref. 105610: FIX MANIFOLD 2 VALV. 1"

Ref. 105611: FIX MANIFOLD 3 VALV. 1"

Ref. 105612: FIX MANIFOLD 4 VALV. 1"

Ref. 105613: FITTING IN-LINE 1" H - PIPE 25 mm

Ref. 105614: FITTING IN-LINE 1" H - PIPE 32 mm

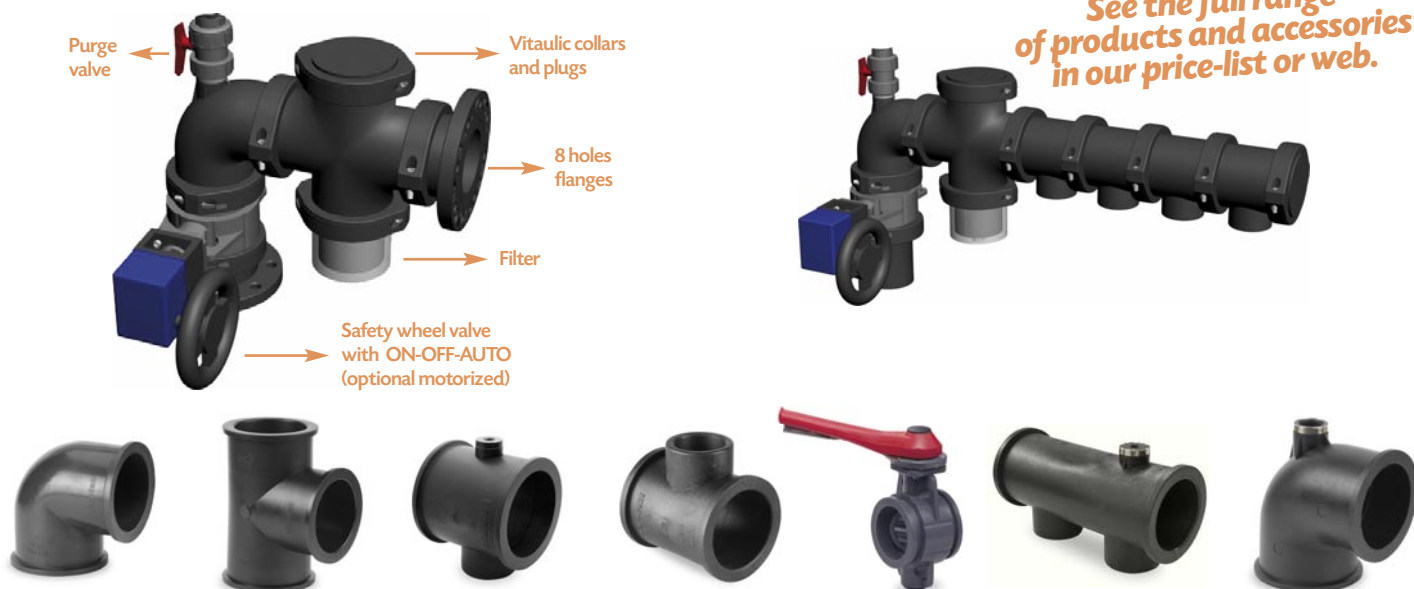
Ref. 105615: FITTING ELBOW 1" H - PIPE 25 mm

Ref. 105616: FITTING ELBOW 1" H - PIPE 32 mm

VYR-6920

Main Manifolds PPR

See the full range of products and accessories in our price-list or web.



MANIFOLDS AG-PPR VYR-6920 · Hydraulic manifolds

GENERAL PROPERTIES:

- Modular Plastic manifolds made from high tensile strength polypropylene.
- Models in 2" and 3"
- System linkage by Victaulic flanges high security seal on APDM.

MODELS:

- Ref. 692010: T de 2"
- Ref. 692012: CROSS of 2"
- Ref. 692014: ELBOW of 2"
- Ref. 692016: 2" ELBOW with outlet 1"
- Ref. 692018: FLANGE-THREAD ADAPTER 2"
- Ref. 692020: THREAD ADAPTER 2"
- Ref. 692022: SHORT FILTER SET 2"
- Ref. 692024: LONG FILTER SET 2"
- Ref. 692026: WHEEL SECURITY VALVE 2"
- Ref. 692028: PLUG 2"
- Ref. 692030: VITAULIC ADAPTER 2"
- Ref. 693050: T 3"
- Ref. 693052: CROSS 3"
- Ref. 693054: ELBOW 3"
- Ref. 693056: 3" ELBOW with outlet 1"
- Ref. 693058: FLANGE-THREAD ADAPTER 3"
- Ref. 693060: THREAD ADAPTER 3"
- Ref. 693062: SHORT FILTER SET 3"
- Ref. 693064: LONG FILTER SET 3"
- Ref. 693066: WHEEL SECURITY VALVE 3"
- Ref. 693068: PLUG 3"
- Ref. 693070: VITAULIC ADAPTER 3"



VYR-6

Hose quick-coupling



Ref. 100801



Ref. 100602



Ref. 100802



Ref. 100604

HOSE QUICK CONNECTOR VYR-6 · Fittings, couplings and connections

GENERAL PROPERTIES:

- It is the quickest and most secure type of coupling on the market.
- Made of brass.
- For hoses and standardised plastic or rubber tubes of diameter 15, 20 y 25 mm (INSIDE).
- On one side there is a male threaded connection of 1/2" or 3/4" (or female, if using a reducer nut).
- The special design of the barbed quick coupling connection for hoses make this connector one of the most secure on the market. Once the pipes are connected, the sharp rear-facing barbs make it almost impossible to disconnect the piping.
- Coupling gasket made out of rubber and lubricated to ensure that it is watertight.

APPLICATIONS:

- Agriculture and landscaping.
- Industrial use.
- City maintenance vehicles.
- Concrete trucks with hoses.

MEASUREMENTS:

- Height: 8, 9 y 10 cm
- Width: 3, 3,5 y 4 cm
- Weight: 150, 200 y 240 g
- Units per box: 100, 150 y 200

OPTIONS:

- Assembled with reducer nut.
- Spare gaskets.

MODELS:

Ref. 100602: 1/2" M thread for 20 mm hose.

Ref. 100603: 3/4" F thread for 20 mm hose.

Ref. 100604: 3/4" M thread for 25 mm hose.

Ref. 400605: Reducer nut 3/4" F to 1/2" F

Ref. 100801: Hose repair-coupler Ø 20 mm

Ref. 100802: Hose repair-coupler Ø 25 mm



Ref. 400605

VYR-7 Racords



Ref. 100700



Ref. 301305

VYR-7 FIXED COUPLING · Fittings, couplings and connections

GENERAL PROPERTIES:

- Made of brass.
- Hi-secured barbed connector.

MODELS:

Ref. 310300: Copling of 1/8" MALE for hose of 10 mm

Ref. 310301: Copling of 1/4" MALE for hose of 13 mm

Ref. 310302: Copling of 3/8" MALE for hose of 16 mm

Ref. 310303: Copling of 1/2" MALE for hose of 20 mm

Ref. 310304: Copling of 3/4" MALE for hose of 25 mm

Ref. 100700: Copling of 3/4" FEMALE for hose of 25 mm

Ref. 310305: Copling of 1" MALE for hose of 32 mm

Ref. 400605: Reduced nut of 3/4" FEMALE to 1/2" FEMALE



Ref. 400605



Ref. 310301

VYR-8 GeKa Racords

VYR-8 EXPRESS RACORD · Fittings, couplings and connections

GENERAL PROPERTIES:

- Fittings, fast and secure coupling for 10 BAR max.
- Brass construction.
- For standard hoses and pipes of 25 mm
- The special design of fast link connecting hose fittings make these some of the safest in the market.
- Gasket made of rubber coupling.

MODELS:

Ref. 100808: 1/2" male thread.

Ref. 100809: 1/2" female thread.

Ref. 100807: 1/2" barb hose (13 mm).

Ref. 100815: 3/4" male thread.

Ref. 100814: 3/4" female thread.

Ref. 100810: 3/4" barb hose (19 mm).

Ref. 100813: 1" male thread.

Ref. 100812: 1" female thread.

Ref. 100811: 1" barb hose (25 mm).

Ref. 100818: 1 1/4" male thread.

Ref. 100817: 1 1/4" female thread.

Ref. 100816: 1 1/4" barb hose (32 mm).

Ref. 100821: End plug.

Ref. 100822: Sealing Ring Hi-Performance.



Ref. 100811

Ref. 100813

Ref. 100812

VYR-9 Hose clamps



Ref. 100900

VYR-9 ADJUSTABLE HOSE CLAMPS · Hose clamp

GENERAL PROPERTIES:

- An adjustable hose clamp is used to securely attach a hose onto a fitting.
- Made of stainless steel.
- Worm screw for adjustment with a screwdriver.

MODELS:

- Ref. 100900: 6-13 mm
- Ref. 100901: 11-20 mm
- Ref. 100902: 18-32 mm
- Ref. 100903: 27-51 mm
- Ref. 100904: 46-70 mm

VYR-102 Hose spray-nozzle

VYR-102 ADJUSTABLE SPRAY-NOZZLE · Spray nozzles

GENERAL PROPERTIES:

- Same characteristics as model VYR-101, but made of brass.
- Adjustable from a light rain to a powerful jet.
- Total closure.
- Valid for any standard hose diameter.

MODELS:

- Ref. 101020: Female thread 3/4" without connector.
- Ref. 101021: With connection 15/20 mm
- Ref. 101022: Spray nozzle M reg. quick-connector.

Ref. 101021



Ref. 101020

VYR-10 Hose fixed jet-nozzle

VYR-10 SPRAY NOZZLE · Spray nozzles

GENERAL PROPERTIES:

- Fixed jet spray nozzles.
- Made of brass.

MODELOS:

- Ref. 101001: Hose Ø 20 mm
- Ref. 101002: Hose Ø 25 mm



Ref. 101002

Ref. 101001

VYR-109-N

Fireman hose nozzle

VYR-109 FIREMAN HOSE NOZZLE · Fireman hose nozzle

GENERAL PROPERTIES:

- Adjustable from a circular fan to powerful jet.
- Close all.
- Works with any standard hose diameter.
- Made of brass, steel and plastic high impact resistance. Lined with rubber for better grip and handling.

MODELS:

Ref. 109011: With racord 25 mm



VYR-90-RS

Multi-Pattern Pistol

VYR-90-R · Multi-Pattern Pistol

GENERAL PROPERTIES:

- Spray irrigation with multi-adjustable jet patterns.
- Made of brass, plastic, galvanized and rubberized grip for comfort.
- Adjusting the spring tension aperture.
- Pressure range from 0 to 10 BAR
- Lock latch opening.
- Easy maintenance and cleaning.
- Connecting to express male compression fitting.

MODELS:

Ref. 109010: Multi-Pattern Pistol.



Ref. 109010

VYR-90-J

Water Pistol

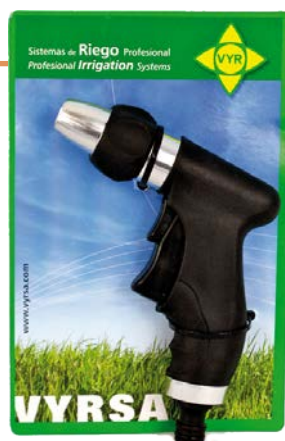
VYR-90-J · Water-Pistol

GENERAL PROPERTIES:

- Spray gun with adjustable jet nozzle.
- Made of brass, plastic, galvanized and covered with rubber for a comfortable grip.
- Regulation of the opening spring tension.
- Pressure range of 0 to 10 BAR
- Locking device keeps the nozzle open.
- Easy maintenance cleaning.
- Connection to male quick connector.

MODELS:

Ref. 109000: Adjustable single jet Water-Pistol.



Ref. 109000

VYR-85

Hose Express Couplers



ref. 108500



ref. 108512



ref. 101102



ref. 101101



ref. 101103



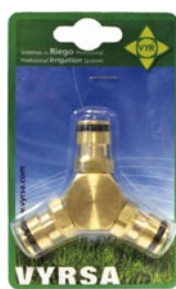
ref. 108509



ref. 101104



ref. 101112



ref. 108519



ref. 108518



ref. 108514

ref. 486803



ref. 486806



ref. 486805

GENERAL PROPERTIES:

- Quick and secure couplings.
- Made of brass, aluminium or plastic. Covered with rubber for a comfortable grip.
- For hoses and standardised plastic or rubber tubes of 15, 20 and 25 mm (inside).
- The special design of the quick connection for hoses make these couplings some of the most secure on the market.
- Coupling gasket made out of rubber and lubricated to ensure that it is watertight.

MODELS:

- Ref. 108500: 15 mm. Covered with rubber hose coupler-express.
- Ref. 108501: 20 mm. Covered with rubber hose coupler-express.
- Ref. 108520: 15 mm. Covered with rubber hose coupler.
- Ref. 108521: 20 mm. Covered with rubber hose coupler.
- Ref. 108512: 15 mm with check-valve. Rubber grip.
- Ref. 108513: 20 mm with check-valve. Rubber grip.
- Ref. 101112: 13/4" male-plastic.
- Ref. 108514: Connector express to 1/2" & 3/4" female (2 in 1).
- Ref. 108514: Connector express to 3/4" female.
- Ref. 108515: Connector express to 3/4" female. Rubber grip.
- Ref. 108516: Connector express to 3/4" female.
- Ref. 108517: Connector express to 3/4" female. Rubber grip.
- Ref. 108518: Double express coupler.
- Ref. 108519: Triple express coupler.
- Ref. 101101: 1/2" female-brass.
- Ref. 101102: 3/4" male-brass.
- Ref. 101103: 3/4" female-brass.
- Ref. 486803: Coupling 3/4" hose 15/20, brass.
- Ref. 486805: Coupling 3/4" hose 15/20, plastic.
- Ref. 486806: Coupling 3/4" hose 15/20, aluminium.

VYR-93

Multi-Port Tap Adaptor

GENERAL PROPERTIES:

- Tap manifolds with ball valve incorporated.
- Two models with 2 or 4 outputs male 1/2" and inlet nut 3/4".
- Made of brass, stainless steel and coated with rubber.
- Express connector hose coupling system using balls.
- Made of brass, stainless steel and coated with rubber.

MODELS:

- Ref. 100910: 2 PORTS.
- Ref. 100912: 4 PORTS.



ref. 109310

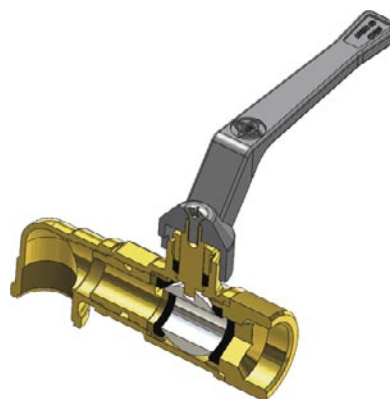


ref. 109311

VYR-17 Brass bibcocks with swivel elbow



Ref. 101700



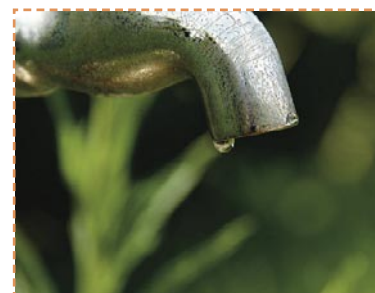
VYR-17 BRASS BIBCOCK WITH ROTATING POUT ELBOW · Valves and accessories

GENERAL PROPERTIES:

- Ball tap valve for stopping the water flow.
- Opening of the lever is REVERSED to facilitate the rotation of elbow.
- Teflon seals and swivel elbow.
- Made of hot stamped brass.
- 1" male connection.
- Outlet for connection to 1/2" female.
- Facilitates the movement of the hose.

MODELS:

Ref. 101700: Bibcock 1" with elbow 1/2"



VYR-30 Frost protection ball-valve

VYR-30 BALL-VALVE - PN20 · Plastic for high pressure and low temperatures

GENERAL PROPERTIES:

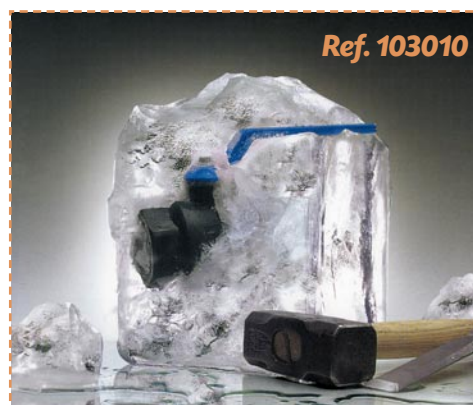
- Special valve for high pressures and frost conditions which may cause bursting and blockage of this type of valve.
- Made of nylon 6.6 and a high percentage of fibreglass.
- Stainless steel ball and fluoropolymer seals.
- Hot stamped brass reinforcements on the plastic injected piece to reinforce the different parts of the valve.

MODELS:

Ref. 103010: 1/2"

Ref. 103011: 3/4"

Ref. 103012: 1"



Ref. 103010

-25°C

THREAD ISO 228/1

VYR-32

Ball valves



Ref. 103212

VYR-32 · Brass and plastic ball valves - PN20

GENERAL PROPERTIES:

- Brass and plastic valves for installation and connection of pipes and hoses.
- Made of nickel-plated brass or plastic with hot stamped brass reinforcements on the injected piece to reinforce the different parts of the valve.
- Stainless steel ball and fluoropolymer seals.
- Output with 1/2" or 3/4" female thread.
- Models available with latch lock.

MODELS:

BRASS

- Ref. 103200: 1/2"
- Ref. 103201: 3/4"
- Ref. 103202: 1"
- Ref. 103203: 1 1/4"
- Ref. 103204: 1 1/2"
- Ref. 103205: 2"
- Ref. 103206: 2 1/2"
- Ref. 103207: 3"
- Ref. 103208: 4"

NYLON PLASTIC

- Ref. 103210: 1/2"
- Ref. 103211: 3/4"
- Ref. 103212: 1"
- Ref. 103213: 1 1/4"
- Ref. 103214: 1 1/2"
- Ref. 103215: 2"

VYR-32 HF

Ball valves HF

VYR-32 HF · Ball Valves - PN10

GENERAL PROPERTIES:

- Plastic faucet valves for installation in collectors, pipes and connection to hoses.
- Made of plastic with reinforcements to reinforce the different parts of the valve.
- Technical plastic ball and Teflon gaskets.

MODELS:

- Ref. 103251: 1" plastic.
- Ref. 103252: 1 1/2" plastic.
- Ref. 103253: 2" plastic.
- Ref. 103254: 2 1/2" plastic.
- Ref. 103255: 3" plastic.



Ref. 103251

VYR-32 DA - Double Axle

VYR-32 DA · Double Axle Ball Valve- PN16

GENERAL PROPERTIES:

- Brass and steel faucet valves for installation in collectors, pipes, irrigation coverages and connection to hoses.
- Made of nickel-plated brass
- Stainless steel ball and Teflon joints.
- Output with 1 1/2" or 2" female thread.

MODELS:

Ref. 103264: 1 1/2" brass double axle.

Ref. 103265: 2" brass double axle.



Ref. 103264

VYR-31 Ball Taps



Ref. 103101



Ref. 103110

VYR-31 · Ball-valve bibcocks - PN16

GENERAL PROPERTIES:

- Brass and plastic bibcock valves for installation in walls and hose connections.
- Made of nickel-plated brass or plastic with hot stamped brass reinforcements on the injected piece to reinforce the different parts of the valve.
- Stainless steel ball and Teflon seals.
- Outlet with 1/2" or 3/4" male thread, with quick connector adapter for hoses of 16-20 mm. Gasket included for preventing leaks.

MODELS:

Ref. 103100: 1/2" brass.

Ref. 103101: 3/4" brass.

Ref. 103110: 1/2" plastic and brass.

Ref. 103111: 3/4" plastic and brass.

Ref. 103112: 1" plastic and brass.

VYR-84 Spikes

VYR-84 · Spike Stands

GENERAL PROPERTIES:

- Brass, plastic and aluminum spikes.
- Outlet of 1/2" F and inlet of 3/4" F.
- Hose racord of 3/4" M for diameters 20-25 mm

MODELS:

- Ref. 108400: Brass Spike.
Ref. 108410: Aluminum spike
Ref. 108420: Plastic spike.

- Ref. 486803: Racord 20-25 brass.
Ref. 486806: Racord 20-25 alumn.
Ref. 486805: Racord 20-25 plast.

Ref. 108400
Brass



ref. 108420
Plastic with barb connection



Ref. 108410
Aluminum



ref. 466820



ref. 196800



ref. 108421
Plastic, quick connection.



VYR-2000 Bases

VYR-2000 · Base Stands

GENERAL PROPERTIES:

- Aluminum base.
- Double thread outlet of 1/2" female.

MODELS:

- Ref. 120001: Base with plastic racord express + plug.
Ref. 120011: Base with plastic racord express + express.
Ref. 120000: Base with racord 15-20 mm + plug.
Ref. 120010: Base with double racord 15-20 mm



ref. 120001
Racord express



ref. 486806



ref. 412001



ref. 196800



ref. 120000
Racord 15/20 mm

Sleds VYR-87



Ref. 108700



Ref. 108701

VYR-87 · Galvanized Sled

GALVANIZED SLED VYR-87

Ref. 108700: 75 cm 3/4" M - 3/4" F

Ref. 108706: 60 cm 3/4" M - 3/4" M

Ref. 108701: 35 cm 1/2" M - 1/2" F



Tripods VYR-187

VYR-187 · Galvanized Tripod

GALVANIZED TRIPOD VYR-1087

Ref. 108716: 100 cm for 1 1/4" (3 pod).

Ref. 108717: 100 cm for 2" (3 pod).

Ref. 108703: 200 cm for 2"

Ref. 108704: 250 cm for 2 1/2" (4 pod).

Ref. 108705: 250 cm for 3" (4 pod).

Ref. 108713: Express connector 2" F-M

Ref. 108714: Express connector 2 1/2" F-M

Ref. 108715: Express connector 3" F-M



Ref. 108704



Ref. 108713

VYR-814 Sprinkler Shaper

VYR-814 · Accessories

GENERAL PROPERTIES:

- Tool key for cleaning the perimetras sourandings of pop-up sprinklers.
- Modular handle with 3 unassabable parts.
- Three different diameters for sprayers, gear-drive rotors and pop-up impacts.

MODELS:

Ref. 108140: Handdle.

Ref. 108141: Round shaper of 4,5 cm / 1,8 in

Ref. 108142: Round shaper of 5,5 cm / 2,2 in

Ref. 108143: Round shaper of 7,5 cm / 3,0 in

Ref. 108144: Round shaper of 15,5 cm / 6,1 in

Ref. 108146: DRILLER of 32 mm x 250 mm / 1,3 in x 9,8 in
(for soil moisture sensor installation).



VYR-875 Pipe Pusher

VYR-875 · Accessories

GENERAL PROPERTIES:

- If you're looking to accelerate your connection processes without losing effectiveness, this is your great tool.
- Tool machine for coupler connection into pipes from 40 - 63 mm / 1,5 - 2,5 in

MODELS:

Ref. 120001: Tool for cupler connetors into PE pipes.





VYR-324 Hoses

VYR-324 HOSES · High Resistance Hoses

Ref. 137015: Hose ø 15 mm (50 m).

Ref. 137020: Hose ø 20 mm (50 m).

Ref. 137025: Hose ø 25 mm (50 m).

Ref. 137050: Hose ø 32 mm (50 m).

Ref. 102755: Lay-flat hose AGRO-FLAT of 50 mm, 8 BAR (50 m).

Ref. 102775: Lay-flat hose AGRO-FLAT of 75 mm, 8 BAR (50 m).

Ref. 102790: Lay-flat hose AGRO-FLAT of 90 mm, 8 BAR (50 m).

Ref. 102791: Lay-flat hose AGRO-FLAT of 110 mm, 8 BAR (50 m).



VYR-395 Automatic drainage valves

VYR-395 · Drainage valve

GENERAL PROPERTIES:

- Discharge valves for extracting water from irrigation installations during winter and maintenance.
- Installation inverted directly on the pipe.
- Discharge opening at 0.2 BAR or lower.
- Made of brass and stainless steel. Rubber closure gasket and polystyrene float.
- Operating range of 0.2 to 16 BAR
- Male thread of 1/2"

MODELS:

Ref. 103950: Drainage valve (opens at 0,2 BAR)



Ref. 103950



Filtration & Dosing Systems

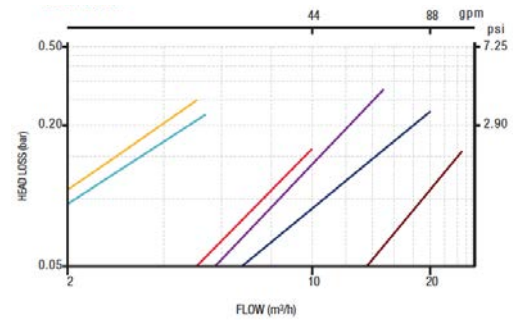
FILTRATION & DOSING SYSTEM

| | |
|----------------------|----------|
| - FILTRATION..... | Pág. 151 |
| - DOSING SYSTEM..... | Pág. 152 |

VYR-1300 Filters-Y



Ref. 130020



VYR-1300 · Low Flow Filters-Y

MODELS:

Ref. 130020: 3/4" low flow and screen Y filter 5 m³/h 2W

Ref. 130021: 3/4" low flow and disc Y filter 5 m³/h 2W

Ref. 130022: 1" low flow and screen Y filter 5 m³/h 2W

Ref. 130023: 1" low flow and disc Y filter 5 m³/h 2W



Disc

130 micron.
(120 mesh)



Screen
INOX

530 micron.
(35 mesh)

200 micron.
(75 mesh)

130 micron.
(120 mesh)

100 micron.
(150 mesh)

• Disc filter element with threaded closure for easy handling. This ensures the compression of the discs and prevents accidental loss.

• Screen filter element manufactured in plastic and stainless steel.



VYR-1350 Filters-Y

VYR-1350 · Medium Flow Filters-Y



Ref. 135024

MODELS:

Ref. 135024: 1 1/2" low flow Y screen filter 12 m³/h 2W + Drainage

Ref. 135025: 1 1/2" low flow Y disc filter 12 m³/h 2W + Drainage

Ref. 135030: 2" Y screen filter 30 m³/h 3W + Drainage

Ref. 135031: 2" Y disc filter 30 m³/h 3W + Drainage

VYR-1400 Filters C-Inox

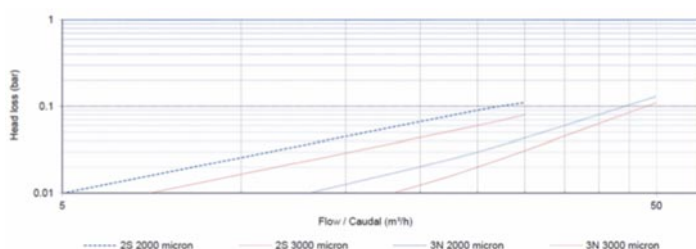
VYR-1400 · High Flow Filters-Y

MODELS:

Ref. 140030: 2" modular screen filter inox. 2 mm, 30 m³/h 3W

Ref. 140032: 3" modular screen filter inox. 2 mm, 50 m³/h 3W

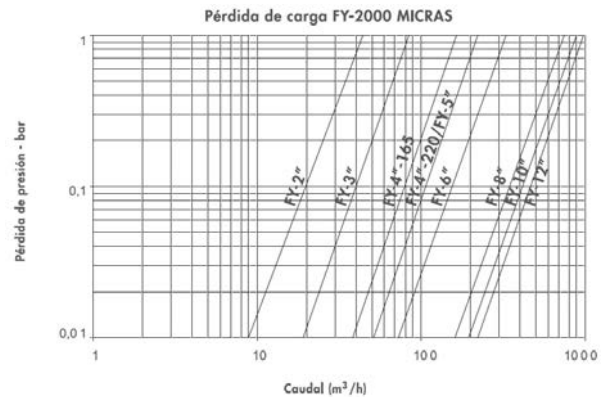
Ref. 140034: 4" modular double screen filter inox. 2 mm, 100 m³/h 3W



Ref. 130030

VYR-2750

Metal Rock screen filters



VYR-2750 METAL STONE-HUNTER FILTERS · Hydrants accessories

GENERAL PROPERTIES:

- The Rock-Hunter VYR-2750 filters have been explicitly designed for sprinkler installations and could prevent any entry of small rocks/stones that can cause jams in pipe or sprinkler outlets themselves.
- Carbon steel body.
- Tomas Gauge side.
- Screws bichromate, quality 5.6 and 5.8.
- Spray Cartridge: Stainless Steel AISI-304.
- Working pressure: 10 BAR
- Shot blasting surfaces to grade SA 2 1/2
- Coating with paint epoxy powder.

MODELS:

- Ref. 275002: ROCK-HUNTER filter of 2" thread.
 Ref. 275003: ROCK-HUNTER filter of 3" flanged.
 Ref. 275004: ROCK-HUNTER filter of 4" flanged.
 Ref. 275005: ROCK-HUNTER filter of 5" flanged.
 Ref. 275006: ROCK-HUNTER filter of 6" flanged.
 Ref. 275008: ROCK-HUNTER filter of 8" flanged.
 Ref. 275010: ROCK-HUNTER filter of 10" flanged.
 Ref. 275012: ROCK-HUNTER filter of 12" flanged.

VYR-490

Hydraulic dosing pump

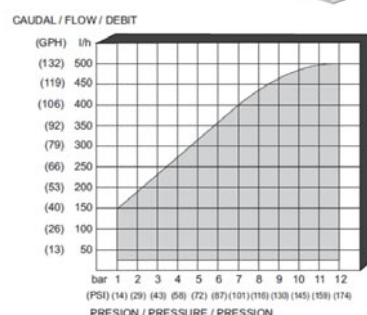
VYR-490 HYDRAULIC DOSING PUMP · Hydraulic injectors

GENERAL PROPERTIES:

- Hydraulic piston metering pumps hydraulically.
- Flow: 25 - 500 l/h
- Pressure: 1 - 12 BAR
- Made of plastic materials resistant to most chemical products used in agriculture, livestock and water treatment applications.
- Water consumption: twice injecting fertilizer.
- Materials in contact with fertilizer: PP - FPM
- Connections: Hose coupling 20.
- Resistant to agro-chemicals.
- Weight: 3 and 2.5 kg

MODELS:

- Ref. 049008: FERTIC.
 Ref. 049012: ECO-FERTIC.



VYR-49

Ventury Injectors



GENERAL PROPERTIES:

- Venturi injector with metering control valve and suction filter mesh.
- Optional flow-meter needle for dosing measuring.
- Built-in non-return valve.

MODELS:

Ref. 131381: Venturi 3/4"

Ref. 131386: Flow meter for venturi 3/4"

Ref. 131382: Venturi 1"

Ref. 131387: Flow meter for venturi 1"

Ref. 131383: Venturi 1 1/2"

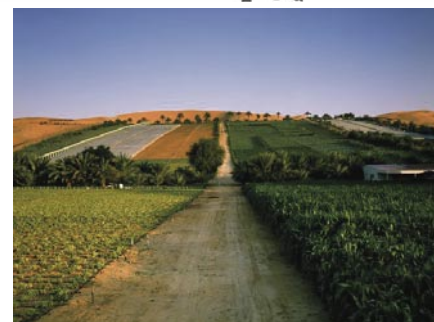
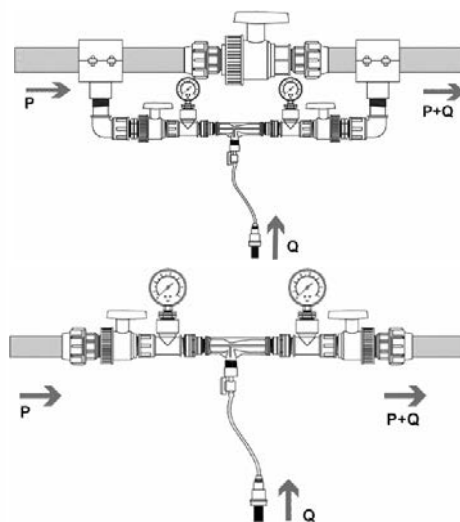
Ref. 131388: Flow meter for venturi 1 1/2"

Ref. 131385: Venturi 2" LF (low flow).

Ref. 131384: Venturi 2"

Ref. 131389: Flow meter for venturi 2"

| PRESIÓN | | 3/4"Venturi | | 1"Venturi | | 1" 1/2 Venturi | | 2" LF Venturi | | 2"Venturi | |
|---------------------|--------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|
| Presión entrada BAR | Presión salida BAR | Caudal inyección L/H | Caudal aspiración L/H | Caudal inyección L/H | Caudal aspiración L/H | Caudal inyección L/H | Caudal aspiración L/H | Caudal inyección L/H | Caudal aspiración L/H | Caudal inyección L/H | Caudal aspiración L/H |
| 1 | 0 | 828 | 162 | 3.540 | 460 | 5.700 | 1.020 | 5.820 | 1.020 | 14.400 | 2.320 |
| | 0,25 | | 144 | | 460 | | 680 | | 1.020 | | 2.320 |
| | 0,5 | | 78 | | 315 | | 680 | | 910 | | 1.950 |
| 1,5 | 0 | 1.056 | 160 | 4.020 | 460 | 6.660 | 1.020 | 6.750 | 1.100 | 16.800 | 2.320 |
| | 0,5 | | 138 | | 460 | | 1.020 | | 1.100 | | 2.320 |
| | 0,75 | | 72 | | 408 | | 800 | | 960 | | 1.780 |
| | 1 | | 42 | | 355 | | 408 | | 660 | | 1.020 |
| 2 | 0 | 1.212 | 157 | 4.500 | 450 | 7.440 | 1.020 | 7.540 | 1.100 | 18.900 | 2.320 |
| | 0,5 | | 151 | | 450 | | 1.020 | | 1.060 | | 2.320 |
| | 0,75 | | 145 | | 450 | | 1.020 | | 1.020 | | 2.320 |
| | 1 | | 112 | | 450 | | 970 | | 970 | | 2.320 |
| | 1,25 | | 52 | | 340 | | 630 | | 700 | | 1.780 |
| | 1,5 | | 24 | | 64 | | - | | 400 | | 980 |
| 2,5 | 0 | 1.350 | 160 | 4.920 | 450 | 8.160 | 1.020 | 8.280 | 1.100 | 20.100 | 2.300 |
| | 0,5 | | 157 | | 450 | | 1.020 | | 1.100 | | 2.320 |
| | 0,75 | | 156 | | 450 | | 970 | | 1.020 | | 2.320 |
| | 1 | | 150 | | 408 | | 970 | | 1.020 | | 2.320 |
| | 1,25 | | 132 | | 408 | | 970 | | 980 | | 2.320 |
| | 1,5 | | 88 | | 408 | | 740 | | 720 | | 1.720 |
| | 1,75 | | 45 | | 280 | | 315 | | 520 | | 920 |
| | 2 | | - | | 135 | | - | | 200 | | 450 |
| 3 | 0 | 1.482 | 159 | 5.280 | 440 | 8.880 | 1.020 | 8.990 | 1.060 | 22.500 | 2.320 |
| | 1 | | 156 | | 440 | | 1.020 | | 1.060 | | 2.320 |
| | 1,25 | | 154 | | 395 | | 970 | | 1.060 | | 2.320 |
| | 1,5 | | 144 | | 395 | | 970 | | 1.060 | | 2.320 |
| | 1,75 | | 99 | | 395 | | 950 | | 920 | | 1.870 |
| | 2 | | 55 | | 395 | | 510 | | 620 | | 1.250 |
| | 2,25 | | - | | 204 | | 160 | | 200 | | 780 |
| | 2,5 | | - | | 110 | | - | | - | | - |
| 3,5 | 0 | 1.548 | 157 | 5.700 | 440 | 9.540 | 1.020 | 9.700 | 1.060 | 24.300 | 2.320 |
| | 1 | | 156 | | 440 | | 1.020 | | 1.060 | | 2.320 |
| | 1,5 | | 154 | | 440 | | 970 | | 960 | | 2.320 |
| | 1,75 | | 152 | | 440 | | 970 | | 960 | | 2.320 |
| | 2 | | 114 | | 440 | | 970 | | 780 | | 2.320 |
| | 2,25 | | 79 | | 360 | | 710 | | 620 | | 1.620 |
| | 2,5 | | 45 | | 360 | | 310 | | 320 | | 1.050 |
| | 2,75 | | - | | 235 | | 105 | | - | | 450 |
| 4 | 0 | 1.644 | 157 | 6.000 | 440 | 10.080 | 1.020 | 10.220 | 1.060 | 25.800 | 2.320 |
| | 1 | | 156 | | 440 | | 1.020 | | 1.060 | | 2.320 |
| | 2 | | 153 | | 440 | | 1.020 | | 1.060 | | 2.320 |
| | 2,25 | | 140 | | 440 | | 970 | | 980 | | 2.180 |
| | 2,5 | | 91 | | 440 | | 850 | | 820 | | 2.080 |
| | 2,75 | | 55 | | 425 | | 550 | | 540 | | 1.320 |
| | 3 | | - | | 315 | | 210 | | 220 | | 580 |
| | 3,25 | | - | | 155 | | - | | - | | - |
| 4,5 | 0 | 1.750 | 158 | 6.360 | 425 | 10.680 | 1.020 | 10.850 | 1.060 | 26.400 | 2.320 |
| | 1 | | 157 | | 425 | | 1.020 | | 1.060 | | 2.320 |
| | 2 | | 157 | | 425 | | 1.020 | | 1.060 | | 2.320 |
| | 2,5 | | 154 | | 425 | | 1.020 | | 1.060 | | 2.180 |
| | 2,75 | | 114 | | 425 | | 970 | | 980 | | 1.780 |
| | 3 | | 84 | | 425 | | 680 | | 620 | | 680 |
| | 3,25 | | 72 | | 420 | | 340 | | 350 | | 420 |
| | 3,5 | | 44 | | 290 | | - | | 210 | | - |
| | 3,75 | | 12 | | 145 | | - | | - | | - |
| 5 | 0 | 1.840 | 157 | 6.600 | 425 | 11.160 | 1.020 | 11.310 | 1.060 | 28.500 | 2.320 |
| | 1 | | 156 | | 425 | | 1.020 | | 1.060 | | 2.320 |
| | 2 | | 156 | | 425 | | 1.020 | | 1.060 | | 2.320 |
| | 3 | | 150 | | 425 | | 970 | | 980 | | 2.320 |
| | 3,25 | | 120 | | 425 | | 760 | | 420 | | 1.480 |
| | 3,5 | | 90 | | 425 | | 490 | | 480 | | 880 |
| | 3,75 | | 66 | | 330 | | 190 | | 180 | | 450 |
| | 4 | | 31 | | 235 | | - | | - | | - |
| | 4,25 | | - | | 110 | | - | | - | | - |
| 5,5 | 0 | 1.935 | 157 | 6.900 | 425 | 11.700 | 1.020 | 11.850 | 1.060 | 30.000 | 2.320 |
| | 1 | | 156 | | 425 | | 1.020 | | 1.060 | | 2.320 |
| | 2 | | 156 | | 425 | | 1.020 | | 1.060 | | 2.320 |
| | 3 | | 156 | | 425 | | 1.020 | | 1.060 | | 2.280 |
| | 3,25 | | 150 | | 425 | | 970 | | 980 | | 2.120 |
| | 3,5 | | 132 | | 425 | | 970 | | 950 | | 1.120 |
| | 3,75 | | 102 | | 420 | | 650 | | 650 | | 1.020 |
| | 4 | | 72 | | 420 | | 340 | | 320 | | 950 |
| | 4,25 | | 46 | | 320 | | - | | - | | 240 |
| | 4,5 | | 12 | | 170 | | - | | - | | - |
| | 4,75 | | - | | 90 | | - | | - | | - |



Technical Data





Maintenance Tools

| | | | | | |
|--|--------------------------------|-------------------------------------|---------------------------------|---|------------|
|  VYR-962 | | | | | |
|  | Llave de desmontaje de carcasa | Disassembly wrench | Cambio de aspersor | Disassembly of sprinkler head and pipe axle | 496211 |
|  | Valv. anti-drenaje | Anti-drainage valve | Retén de drenaje | Drainage plug | 496212 |
|  VYR-961 | | | | | |
|  | Llave de desmontaje de carcasa | Disassembly wrench | Cambio de aspersor | Disassembly of sprinkler head and pipe axle | 496105 |
|  VYR-970 | | | | | |
|  | Llave montaje VYR-970 | Assembly key VYR-970 | Desmontaje de aspersor y emerg. | Disassembly of sprinkler head and pipe axle | 970RT16764 |
|  | Tubo drenaje | Flushing equipment VYR-970 | Limpieza de tuberías | Flushing pipes | 970RT87096 |
|  | Atornillador DIN 3125 | SW 7 socket wrench DIN 3125 | Retirar tapa y boquilla | Removing cover and nozzle | 970Z898077 |
|  | Atornillador DIN 3125 | SW 14 socket wrench DIN 3125 | Cambio boquilla principal | Changing main nozzle | 970Z898114 |
|  | Atornillador DIN 3125 | SW 10 socket wrench | Cambio inserto aspersor | Changing sprinkler insert | 970RT15745 |
|  | Saca-filtro VYR-970 | VYR-970-valve lifter | Cambiar inserto válvula | Changing valve insert | 970RT82130 |
|  | Llave para reg. presión | Key for pressure sensor for VYR-970 | Instalación del reg. presión | Installation of pressure sensor | 970RT17908 |

| | Descripción | Description | Aplicación | Application | Ref #. Part #. |
|---|---------------------------------------|---|------------------------------------|--|-------------------|
|  | VYR-650 S-M | | | | |
|  | Llave para pre-filtro VYR-650-L | Key for pre-filter VYR-650 L | Desmontar el pre-filtro | Disassembly of pre-filter | 650RT14130 |
|  | Llave para pre-filtro VYR-650 M+S | Key for pre-filter VYR-650 M+S | Desmontar el pre-filtro | Disassembly of pre-filter | 650RT14930 |
|  | Collar retén émbolo VYR-650 L/M/S | Retainer for sprinkler head VYR-650 L/M/S | Cambio de boquillas | Changing nozzle | 650RT14031 |
|  | Tubo drenaje | Flushing equipment VYR-650 L | Limpieza de tuberías | Flushing pipes | 650RT14134 |
|  | Tubo drenaje | Adapter for flushing equipm. VYR-650 M-H | Limpieza de tuberías | Flushing pipes | 650RB14136 |
|  | Tubo drenaje | Flushing equipment VYR-650 S+M | Limpieza de tuberías | Flushing pipes | 650RT14934 |
|  | Tenaza de cambio de boquillas | Wrench for changing nozzles | Cambio de boquillas | Changing nozzles | 650ZB98276 |
|  | Tubo drenaje | Flushing equipment VYR-650 S-H | Limpieza de tuberías | Flushing pipes | 650RB14436 |
|  | Atornillador VYR-650-S | TORX-key VYR-650 S | Atornillar tapa | for screws at the lid | 650ZB98289 |
|  | Atornillador VYR-650-L | TORX-key VYR-650 L | Atornillar tapa | for screws at the lid | 650ZB98297 |
|  | Perfilador VYR-650 L | Cut off tool VYR-650 L | Perfilar/limpiar tapa en el césped | To cut off lawn from the sprinkler housing | 650RT14144 |
|  | Perfilador VYR-650 S | Cut off tool VYR-650 S | Perfilar/limpiar tapa en el césped | To cut off lawn from the sprinkler housing | 650RT14444 |
|  | Tenaza montaje anillo | Retaining ring collet VYR-650 S | Instalación de anillo retén | Installation of retaining ring | 650RT17844 |
|  | Gancho de anillo | Retaining ring lifter VYR-650 S | Retirar el anillo retén | Removing retaining ring | 650RT17839 |
|  | Llave para boquilla de cola VYR-650 S | Key for Tail Nozzle VYR-650 S | Instalar boquilla de cola | Belated installation of tail nozzle | 650RT14333 |

| | Descripción | Description | Aplicación | Application | Ref #. Part #. |
|--|-------------------------------------|---|---------------------------------|---|-------------------|
|  VYR-972 | | | | | |
|  | Llave montaje VYR-972 | VYR-972-973 Assembly key | Desmontaje de aspersor y emerg. | Disassembly of sprinkler head and pipe axle | 972RT19789 |
|  | Atornillador DIN 3125 | SW 10 socket wrench DIN 3125 | Cambio boquillas | Changing driving nozzle | 972RT15745 |
|  | Tubo drenaje | VYR-972-973 flushing equipment | Limpieza de tuberías | Flushing pipes | 972RT17623 |
|  | Gancho de anillo | Retaining ring lifter VYR-972-973 | Retirar el anillo retén | Removing retaining ring | 972RT17839 |
|  | Saca-filtro VYR-972-973 | Valve lifter VYR-972-973 | Cambiar inserto válvula | Changing valve insert | 972RT17843 |
|  | Tenaza montaje anillo | Retaining ring collet VYR-972-973 | Instalación de anillo retén | Installation of retaining ring | 972RT17844 |
|  | Llave para instalación de solenoide | Key for solenoid installation | Instalación de solenoide | Installation of solenoid | 972RT17886 |
|  | Llave para reg. presión | Key for pressure sensor for VYR-972-973 | Intalación del reg. presión | Installation of pressure sensor | 972RT17908 |
|  | Destornillador largo | Expanding screw driver | Atornillador | Screw / unscrew flange | 9722898291 |
|  | Conector ON-OFF de carcasa | knock-off/on flange for guide housing | Taponar carcasa | Plugging the guide housing | 972R817698 |
|  VYR-973 | | | | | |
|  | Llave montaje VYR-973 | VYR-973 assembly key | Desmontaje de aspersor y emerg. | Disassembly of sprinkler head and pipe axle | 973RT83226 |
|  | Atornillador DIN 3125 | SW 10 socket wrench DIN 3125 | Cambio de boquilla | Changing driving nozzle | 973RT15745 |
|  | Tubo drenaje | VYR-972-973 flushing equipment | Limpieza de tuberías | Flushing pipes | 973RT17623 |
|  | Gancho de anillo | Retaining ring lifter VYR-972-973 | Retirar el anillo retén | Removing retaining ring | 973RT17839 |
|  | Saca-filtro VYR-973 | Valve lifter VYR-973 | Cambiar inserto válvula | Changing valve insert | 973RT17845 |
|  | Tenaza montaje anillo | Retaining ring collet VYR-972-973 | Instalación de anillo retén | Installation of retaining ring | 973RT17844 |

| | Descripción | Description | Aplicación | Application | Ref #. Part #. |
|---|---------------------------|---------------------------------|-------------------------------|------------------------------------|-------------------|
|  VYR-977 | | | | | |
|  | Alinea-tuerca | Centring bolt | Instalación de tornillos | Installation coarse insert | 977RT25076 |
|  | Amarre inserto | Holder for insert | Ajuste del inserto | Fixation of insert | 977RT25078 |
|  | Llave montaje VYR-977 | Assembly key VYR-977 | Retirar carcasa | Key to remove cover | 977RT25069 |
|  | Llave de desenrosque | Face hole key | Abrir tapa pistón | Opening cover of piston drive | 977ZB98236 |
|  | Llave de cadena para tubo | Chain pipe wrench | Para reparar la brida | For the repair of the guide flange | 977ZB98277 |
|  VYR-980 | | | | | |
|  | Gancho de anillo | Retaining ring lifter VYR-980 | Retirar el anillo retén | Removing retaining ring | 980RT17839 |
|  | Tenaza montaje anillo | Retaining ring collet VYR-980 | Instalación de anillo retén | Installation of retaining ring | 980RT17844 |
|  | Saca-filtro VYR-980 | Valve lifter VYR-980 | Cambio del inserto de válvula | Changing valve insert | 980RT25359 |
|  | Llave de desenrosque | Face hole key | Abrir tapa pistón | Opening cover of piston drive | 980ZB98236 |
|  | Tubo drenaje | Flushing equipment VYR-980 | Limpieza de tuberías | Flushing main pipe | 980R825380 |
|  | Llave de boquillas | VYR-980 assembly key for nozzle | Cambio de boquillas | Changing nozzle | 980R825189 |

Choosing a sprinkler and its nozzles

1 The application rate of the sprinkler must be lower than the maximum permeability of the ground.

2 The application rate is obtained dividing the flow of the sprinkler, expressed in l/h, by the surface area being irrigated, in m².

Example: if we have a sprinkler that at 3 kg/cm² of pressure delivers a flow of 1870 l/h, and the sprinklers are installed in areas of 18 x 18 m (324 m²), the application rate would be:

$$1870 \text{ (l/h)} / 324 \text{ m}^2 = 5.7 \text{ milímetros/hour (mm/h)}$$

3 The sprinkler irrigation systems must have application rates of between 5 and 7 mm/h

4 Small application rates are recommended for heavy ground (clay soil) or unlevel land.

5 The maximum amount of water that a surface is able to absorb in a hour, depending on its soil texture, is shown in the following chart:

| Ground texture | Maximum permeability (mm/h): |
|------------------|------------------------------|
| Sandy | 19 |
| Loamy sand | 12.7 |
| Sandy loam | 10.9 |
| Loam | 8.9 |
| Silt loam | 7.6 |
| Clay loam | 6.4 |
| Silty clay | 5 |
| Clayey | 3.8 |

6 The sprinklers must contribute sufficient flow to the crops according to the number of irrigations and their duration.

7 Sprinkler irrigation characteristics:

| Characteristic | Recommendations |
|-----------------|---|
| Pressure | Irrigate at an average pressure higher than 3 kg/cm ² per section. Frost protection sprinklers work at higher pressures. If, due to technical reasons, you must change the nozzles for ones with larger diameters, make sure that you have enough pump pressure for the specific area. If there is not enough pressure you must create new areas with less sprinklers per area. Check the installation's pressure gauge values frequently. |
| Nozzles | We recommend using two nozzle sprinklers. The main nozzle (jet) provides longer distances and flow. Never modify the nozzles; do not try to increase the size of the outlet orifice. The horizontal cut in the secondary nozzle must always be positioned at 9 o'clock. Make sure that all the sprinklers are the same type and brand and have the same number and size of nozzles. |
| Irrigation area | For travelling systems we recommend using rectangular areas of 12 x 15 or 12 x 18 metres (try to keep these areas constant). For in-ground irrigation systems we recommend using the following nozzles: 4 + 2.4 mm (18 x 15 triangular area) 4.4 + 2.4 mm (15 x 15 area) and 4.8 + 2.4 mm (18 x 18 area). |
| Other | Using your irrigation system at night will result in less evaporation loss and lower energy costs. Program irrigation considering ground permeability and water availability. Use irrigation products that are quality certified and guaranteed. |

8 The recommended calculating distance between sprinklers depending on the irrigation diameter.

9 Sprinklers do not distribute water evenly; the area closest to the sprinkler receives the most water while the area farthest from the sprinkler receives the least. Therefore, for full coverage, it is necessary to use an overlapping sprinkler pattern when using a multiple sprinkler system.

| | | | |
|--------------------------|-----|-----|-----|
| Between sprinklers | 50% | 45% | 30% |
| Between lines | 65% | 60% | 50% |

Precipitation rate

What is the Precipitation Rate?

A storm that covers an area with 20 l/m² of water in one hour has a "precipitation rate" of 20 l/m² of water per hour. Likewise, the precipitation rate is the "speed" at which a sprinkler or irrigation system applies water.

If someone told you that they were caught in a storm that dropped 20 l/m² (1 inch) of water in one hour, you would have a good idea of how "strong" the storm was.

Are all the precipitation rates the same?

Absolutely not! There are different levels and rates of precipitation, depending on the type of nozzle used and the spacing of the sprinklers (quadrangular, triangular or linear).

The rates normally vary between:

LOW: 0.5 inches/h (13 mm) and lower • MEDIUM: 0.5 - 1 inch/h (13-25 mm) • HIGH: 1 inch/h (25 mm) and higher

Calculating Precipitation Rates

Depending on the design of the irrigation system, the precipitation rate may be calculated by either the "sprinkler spacing" method or the "total area" method.

Sprinkler spacing method. The precipitation rate must be calculated individually in each area. If all the sprinklers have the same spacing pattern, flow and arc, use one of the following formula:

■ Any arc and spacing distance:

$$P.R.(\text{inches/h}) = \frac{\text{GPM (for any arc)} \times 34,650}{\text{Arc degree} \times \text{Sprinkler spacing (feet)} \times \text{Line spacing (feet)}}$$

$$P.R. (\text{mm/h}) = \frac{\text{m}^3/\text{h (for any arc)} \times 360}{\text{Arc degree} \times \text{Sprinkler spacing (m)} \times \text{Line spacing (m)}}$$

$$P.R. (\text{mm/h}) = \frac{\text{l/min (for any arc)} \times 21,600}{\text{Arc degree (m)} \times \text{Sprinkler spacing (m)} \times \text{Line spacing (m)}}$$

▲ Equilateral triangular spacing:

$$P.R.(\text{inches/h}) = \frac{\text{GPM Arc of } 360 \times 96,25}{\text{Sprinkler spacing}^2 \times 0,866}$$

$$P.R. (\text{mm/h}) = \frac{\text{m}^3/\text{h Arc of } 360 \times 1,000}{\text{Sprinkler spacing}^2 \times 0,866}$$

$$P.R. (\text{mm/h}) = \frac{\text{l/min} \times 60}{\text{Total area}}$$

Uniformity coefficient

FORMULA FOR CALCULATING THE UC OF AN AREA:

$$CU_{\text{zona}} = 100 \times \frac{\text{volumen medio de la cuarta parte de los vasos con menos agua}}{\text{volumen medio de todos los vasos}} = 100 \times \frac{V_{25\%}}{V_m}$$

FORMULA FOR CALCULATING THE UNIFORMITY OF AN IRRIGATION UNIT TAKING PRESSURE CHANGES INTO ACCOUNT:

$$CU = CU_{\text{zona}} \times \frac{1 + 3 \times \sqrt{\frac{\text{Presión mínima}}{\text{Presión media}}}}{4} = CU_{\text{zona}} \times \frac{1 + 3 \times \sqrt{\frac{P_{\text{min}}}{P_m}}}{4}$$

$$P_{\text{media}} = \frac{2 \times P_{\text{mínima}} + P_{\text{máxima}}}{3}$$

Frost protection irrigation

In most cases, damage caused by frost can be prevented by spraying the crops with water during periods of frost. Sprinkler irrigation on plant foliage is one of the most effective methods of preventing damage to delicate crops.

HOW IRRIGATION FOR FROST PROTECTION WORKS

This method is based on three factors:

1. Latent heat is released as water freezes. This latent heat prevents the temperature of the plants from dropping below the freezing point.
2. A mixture of ice and water exposed to below-freezing conditions stays around 0° C until it is completely frozen.
3. Plant sap is not pure water; therefore plants have a lower freezing point than 0° C (32° F). Most plants do not get damaged by frost until temperatures drop well below freezing.

IMPORTANT CONSIDERATIONS

This method is based on three factors:

1. Sprinkler rotation speed:

In order to maintain a stable temperature the sprinkler must rotate quickly. The sprinkler must complete a rotation in less than 30 seconds in order to be deemed quick enough (the ideal rotation speed is normally between 30 and 40 seconds).

2. Water application level:

The volume of water in relation to its application rate is one of the most important considerations when designing a frost protection irrigation system. The application rate is calculated after considering several factors, such as temperature, wind speed and humidity levels (see the table with minimum precipitation levels).

Wind can affect evaporation levels as well as uniformity, resulting in more water having to be applied in order to provide the same protection as in the absence of wind.

3. Uniformity:

An effective frost protection system depends on how the sprinkler distributes the water.

You must pay special attention when evaluating the spacing between sprinklers, operational pressures and conditions. An acceptable design should result in a Uniformity Coefficient equal to or greater than 84% and a Distribution Uniformity equal to or greater than 75%.

ADDITIONAL CONSIDERATIONS

Prolonged periods of frost and the application of frost protection irrigation may result in a significant accumulation of ice on the plants. The irrigation system should generally be started at around 2° C to prevent water from freezing inside the pipes.

SPECIFIC FROST PROTECTION

The reason for using specific frost protection is to reduce the protected area to just the plant crop. This allows the system to operate with reduced flow and pressure, saving you water and money.

CONCLUSIONS

A delicate crop can be destroyed by frost in just one night. The use of advanced irrigation systems for frost protection is an effective method for protecting your investment. Nevertheless, the correct design and use of these systems is very important for satisfactory results.

| Niveles mínimos de aplicación (árboles frutales) | | | | | |
|--|---------|---------|---------|---------|---------|
| Temperatura mínima aproximada (°C) | -3 a -4 | -4 a -5 | -5 a -6 | -6 a -7 | -7 a -8 |
| Tasa de aplicación (mm/h) | 2,5 | 3 | 3,8 | 4,6 | 6,4 |





Conversion factors

| Para convertir | De | A | Multiplicar por |
|----------------|----------------------------------|------------------------------|-----------------|
| ÁREA | metro ² | pie ² | 10,764 |
| | pulgada ² | centímetro ² | 6,452 |
| | hectáreas | metro ² | 10000 |
| | hectáreas | acres | 2,471 |
| ENERGÍA | kilovatios | caballos | 1,341 |
| CAUDAL | pie ³ / minuto | metro ³ / segundo | 0,0004719 |
| | pie ³ / segundo | metro ³ / segundo | 0,02832 |
| | yarda ³ / minuto | metro ³ / segundo | 0,01274 |
| | galón / minuto | metro ³ / hora | 0,22716 |
| | galón / minuto | litro / minuto | 3,7854 |
| | galón / minuto | litro / segundo | 0,06309 |
| | metro ³ / hora | litro / minuto | 16,645 |
| | metro ³ / hora | litro / segundo | 0,2774 |
| LONGITUD | pulgada | centímetro | 2,540 |
| | pie | metro | 0,30481 |
| | kilómetro | millas | 0,6214 |
| | millas | pie | 5280 |
| | millas | metro | 1609,34 |
| | milímetro | pulgada | 0,03937 |
| PRESIÓN | PSI (libra por pulgada cuadrada) | kilopascales (kPa) | 6,89476 |
| | PSI | bares | 0,068948 |
| | bares | kilopascales (kPa) | 100 |
| | PSI | pies de cabeza | 2,31 |
| VELOCIDAD | pies / segundo | metro / segundo | 0,3048 |
| VOLUMEN | pies ³ | litro | 28,32 |
| | metro ³ | pies ³ | 35,31 |
| | metro ³ | yarda ³ | 1,3087 |
| | yarda ³ | pies ³ | 27 |
| | yarda ³ | galón | 202 |
| | acres / pies | pies ³ | 43,56 |
| | galón | metro ³ | 0,003785 |
| | galón | litro | 3,785 |
| | galón principal | galón (U.S.) | 1,201 |

Wiring sizes

| Resistencia del cable de cobre | | Tabla 1 |
|--------------------------------|---------------|--|
| Sección del cable No. AWG | Diámetro (mm) | Resistencia a 20°C (68°F) ohmios por 300m (1,000') |
| 18 | 1,02 | 6,39 |
| 16 | 1,29 | 4,02 |
| 14 | 1,63 | 2,52 |
| 12 | 2,05 | 1,59 |
| 10 | 2,59 | 1,00 |
| 8 | 3,26 | 0,63 |
| 6 | 4,11 | 0,40 |
| 4 | 5,19 | 0,25 |

NECESSARY INFORMATION:

- Actual length of wire between the controllers and the energy source or the controllers and the electrically operated valves.
- Allowable voltage loss along the wire circuit.
- Cumulative current flow in the wire section, measured in amperes.

RESISTANCE IS CALCULATED USING THIS FORMULA:

$$R = \frac{1000 \times AVL}{2L \times I}$$

R= Maximum allowable resistance of the wire in ohms per 300 m (1,000)
 AVL= Allowable voltage loss
 L= Length of the wire (one direction)
 I= Inrush current

EXAMPLES OF VALVE WIRE SIZING:

The distance from the controller to the valve is 366 m (1200 feet). The output of the controller is 24 V. The electrically operated valve has a minimum operating voltage of 20 V and an inrush current of 370mA (0.37 A).

$$R = \frac{1000 \times 4}{2(1200) \times 0,37} \quad R = \frac{4000}{888}$$

Therefore, the resistance of the wire cannot exceed 4.5 ohms per 300 m (1,000 feet). Now, go to table 1 and select the appropriate wire size. Since 6 gauge wire has a lower resistance than 4.5 ohms per 300 m (1,000 feet), choose 4 gauge wire.

| Medición del cable de la electroválvula (distancia máxima unidireccional entre los programados y la electroválvula en Metros) | | | | | | | | |
|---|--------------|------------------|-----|------|------|------|------|------|
| CABLE DE TIERRA / COMÚN | | CABLE DE CONTROL | | | | | | |
| 1AWG No. | Diámetro mm. | 18 | 16 | 14 | 12 | 10 | 8 | 6 |
| 18 | 1,02 | 250 | 30 | 360 | 400 | 440 | 460 | 480 |
| 16 | 1,29 | 310 | 400 | 500 | 580 | 650 | 710 | 740 |
| 14 | 1,63 | 360 | 500 | 650 | 800 | 930 | 1050 | 1120 |
| 12 | 2,05 | 410 | 580 | 800 | 1000 | 1270 | 1480 | 1640 |
| 10 | 2,59 | 440 | 650 | 930 | 1270 | 1640 | 2030 | 2340 |
| 8 | 3,26 | 460 | 710 | 1050 | 1480 | 2030 | 2650 | 3200 |
| 6 | 4,11 | 480 | 740 | 1120 | 1640 | 2340 | 3200 | 4000 |

Solenoid: 24V, Presión: 10 bares (150 PSI), Caída de voltaje: 4V,
 Voltaje mínimo de funcionamiento: 20V, Máximo amperaje: 0,37A (60Hz)



Technical support

If you need any technical assistance, contact your nearest VYRSA dealer or installer. Please feel free to contact us at any time, simply e-mail us at: **vyrsa@vyrsa.com**, or phone us during office hours at: **+34 947 26 22 26**

Warranty

VYRSA guarantees that all of our Irrigation Control System products (controllers, sensors, valves and solenoids) will be in proper working order and free from defects for a period of two (2) year from the date of manufacture. All our models of agricultural sprinklers, garden sprinklers and irrigation accessories are warranted against material and manufacturing defects for a period of three (3) years from the date of manufacture. If you notice any defect in one of our products while under warranty, VYRSA, at its option, will repair or replace the defective product or part.

This warranty does not apply to repairs, adjustments or replacements of products that have been: altered, misused, neglected, exposed to chemical agents or improperly installed/maintained. This warranty only extends to the original installer of the VYR product.

If a defect occurs in a VYR product during the time covered by our warranty, you should contact your authorised VYR Distributor or Installer as soon as possible.

VYRSA'S OBLIGATION IS TO REPAIR OR REPLACE THE DEFECTIVE PRODUCT ACCORDING TO THE INFORMATION PRESENTED ABOVE IN OUR WARRANTY. THERE IS NO OTHER TYPE OF WARRANTY, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES REGARDING TRANSPORT OR FITNESS FOR A PARTICULAR PURPOSE. VYRSA SHALL NOT BE LIABLE IN CONTRACT, TORT, NEGLIGENCE, OR OTHERWISE FOR DAMAGES CAUSED OR CLAIMED TO BE CAUSED AS A RESULT OF ANY DESIGN OR DEFECT IN VYR PRODUCTS, OR FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE.

If you have any questions regarding this warranty or its application, please contact us at:

VYR S.A. · Polig. Ind. N-1 · 09001 Burgos, SPAIN

Certification

VYR S.A. is certified under the ISO 9001-2015 quality assurance standards for the manufacture of sprinklers, valves, control systems and irrigation accessories.

All the technical data shown in the different tables of this catalog have been endorsed by the different tests carried out in International Certified Centers such as CENTER (Madrid), CIT (USA), or CEMAGREF (France).

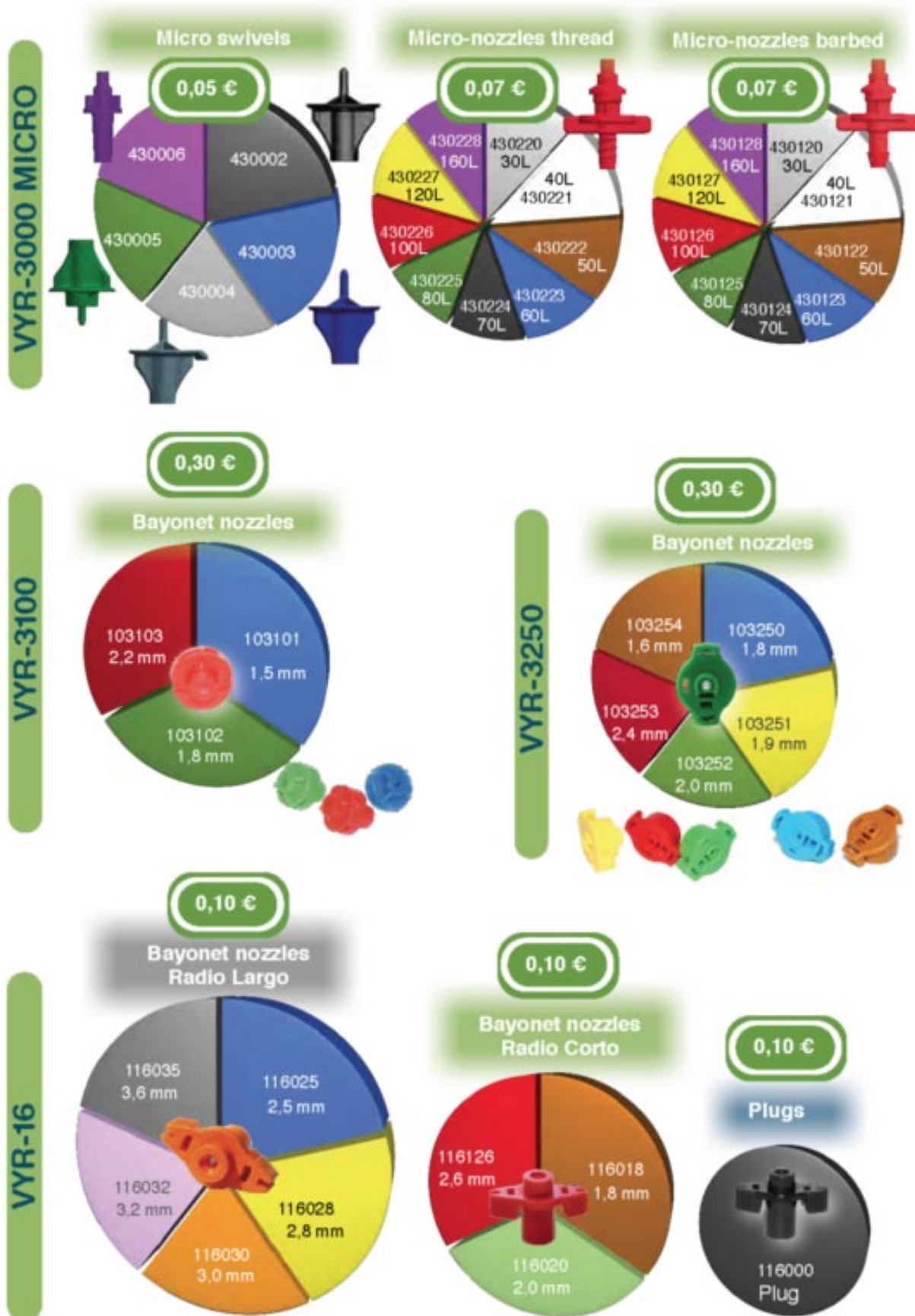
Training

Ask a professional and all your problems will be solved efficiently and cost-effectively. In our **Training Rooms** we offer our customers courses to help them get the best possible performance out of our products. Let us share our knowledge with you; we will show you to how manage your sprinkler irrigation system to best effect.

We at **VYRSA** would like to offer you our wide range of irrigation products for all your cultivation and garden needs as well as technical support to provide the best possible service.

Nozzles

Measurements, Combinations and References



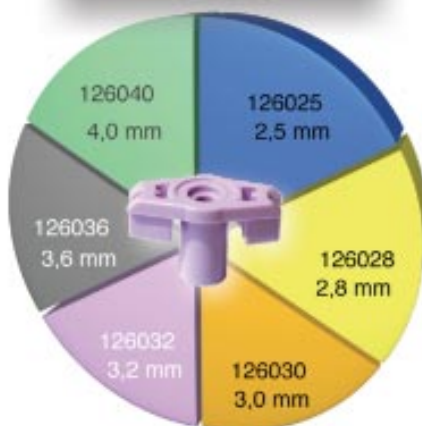
Nozzles

Measurements, Combinations and References

VYR-26

0,10 €

Bayonet nozzles
Radio Largo



0,10 €

Bayonet nozzles
Radio Corto



0,10 €

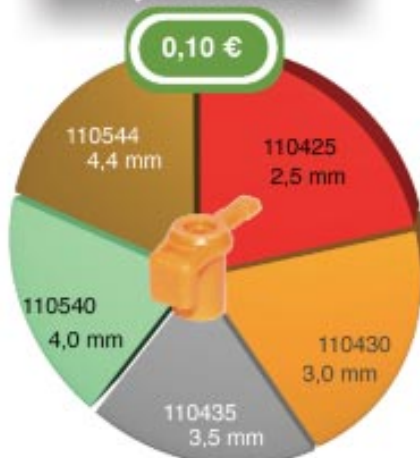
Plugs



VYR-802-803-962

0,10 €

Bayonet nozzles



0,85 €

Nozzles



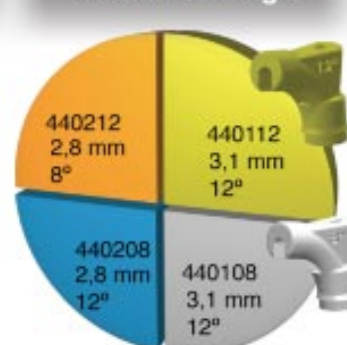
0,35 €

Plates Standard Angle



0,35 €

Plates Low Angle



VYR-4000 ROTEK

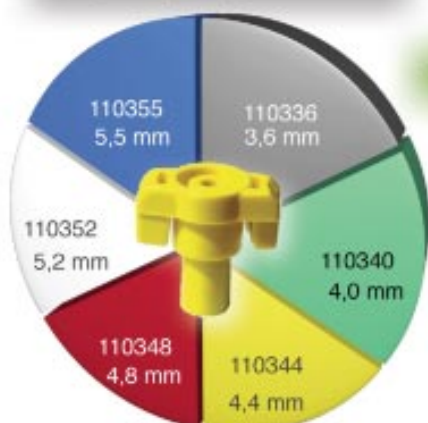
Nozzles

Measurements, Combinations and References

VYR-37-67

0,15 €

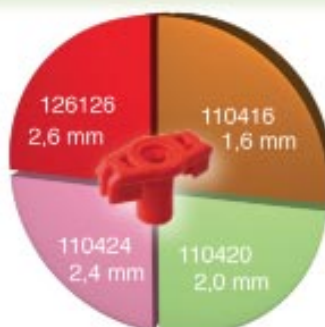
Long range bayonet nozzles



Bayonet nozzles

0,10 €

Short range bayonet nozzles



0,10 €

Plugs



0,10 €

Long range nozzles 1/4" short nozzles



0,10 €

Short range slot 3/8" nozzles



0,10 €

Plugs



VYR-36-66-35-60-46--56

Long range 1/4" long nozzles

0,15 €

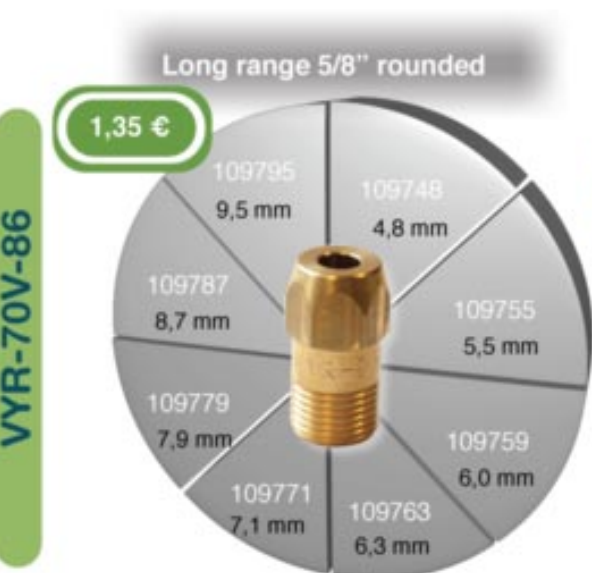
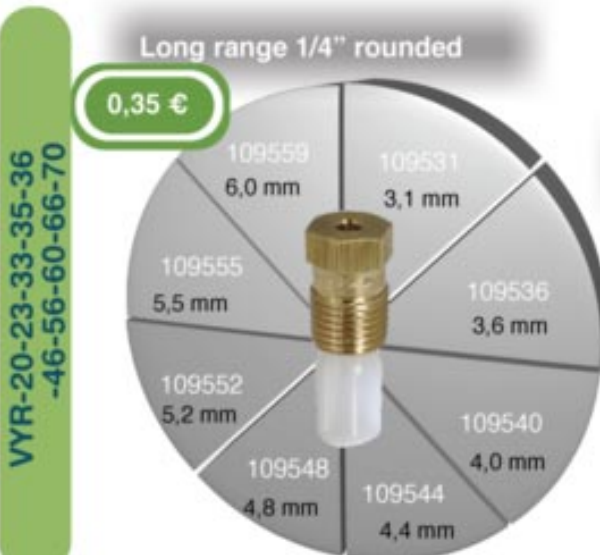
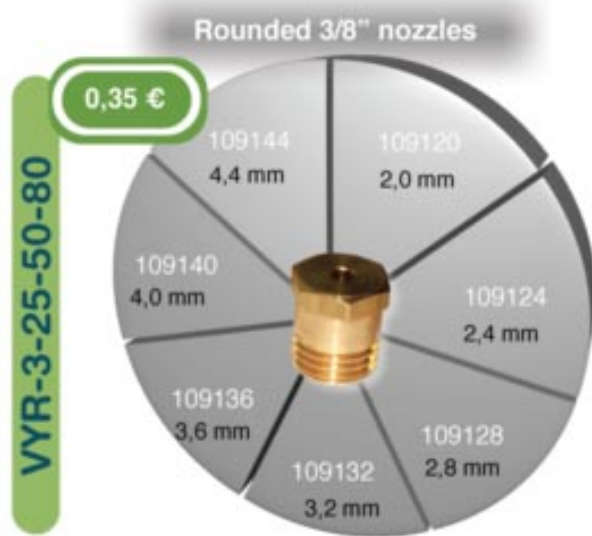


nuevo
VYRSA
new



Nozzles

Measurements, Combinations and References



Nozzles

Measurements, Combinations and References

VYR-65-166

Long range 5/8" rounded

1,35 €



Short range 1/8" slotted

0,35 €



0,25 €

Plugs



VYR-155

Long range 1/2" rounded

2,45 €



Medium range 1/4"

1,55 €



Short range nozzles & Plugs



0,35 €

0,25 €

VYR-150-160

Long range 5/8" rounded

3,40 €



0,35 €



Short range 3/8" slotted

0,50 €



Plugs

0,25 €



Nozzles

Measurements, Combinations and References

VYR-144

Long range 1/2" rounded nozzles



Short range 3/8" sloted nozzles



VYR-100

Long range rounded nozzles



VYR-175

Boquillas Radio Largo



VYR-157 S - 157 L

Boquillas Radio Largo



Boquillas Radio Corto



Boquillas Radio Largo



** Solo para el VYR-157 L

** Solo para el VYR-157 S

Nozzles

Measurements, Combinations and References

VYR-59

Fix angle brass spray-nozzles



VYR-180 S/L

Adjustable & Fix angle plastic spray-nozzles



VYR-180

Adjustable angle plastic nozzles



Nozzles

Measurements, Combinations and References

VYR-601-612

Long range nozzles

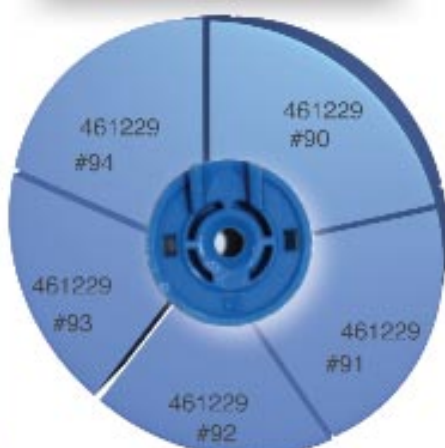


0,80 €



VYR-601-612

Medium range nozzles



0,40 €



VYR-601-612

Low angle nozzles



0,40 €



Nozzles

Measurements, Combinations and References



Nozzles

Measurements, Combinations and References

VYR-970

Long range nozzles



Medium range nozzles



Short range nozzles



VYR-972-973

Long range nozzles



Medium range nozzles



Short range nozzles



VYR-980

Long range multi-jet nozzles



Short range nozzles



Nozzles

SELECTION OF A NOZZLE:

- When choosing the optimal nozzles for a sprinkler, first make sure that the working pressure is within the range marked in the tables of each sprinkler model and that the flow in the network is sufficient. Depending on the operating pressure, we will use different nozzles to achieve the desired irrigation and rainfall frame, also following the data of the nozzle tables in each sprinkler model. To achieve a good coefficient of uniformity we will need to make a correct nozzle choice and that the spacing between sprinklers and laterals is the ideal one. Try looking for a large drop size to avoid wind drifts. Secondary (tail) nozzles are always recommended and increase uniformity.

Do not hesitate to consult our professionals when choosing the nozzles of your sprinklers!



Vanes

DESCRIPTION:

- The VYR sprinklers are shipped mounted with standard nozzle and pods unless requested by our customers for another desired combination, depending on their installation format. Always consider factors such as spacing between sprinklers, prevailing average winds, type of crop, types of soil, etc. Some plastic nozzles already incorporate the deflecting blades inside, so the additional installation of the pods is not necessary. The exchange of pods mainly influences the 3/4 "sprinklers with brass nozzles.

TECHNICAL SPECIFICATIONS:

Long white VL vane: Eliminates turbulence before the water comes out of the nozzle, achieving its maximum reach under medium-high pressure conditions of 3-6 BAR (35-50 PSI).

Short black vane VC: Eliminates part of the turbulence in the last section of the water before the exit through the nozzle. Recommended use under average pressure conditions of 3-4.5 BAR (35-50 PSI).

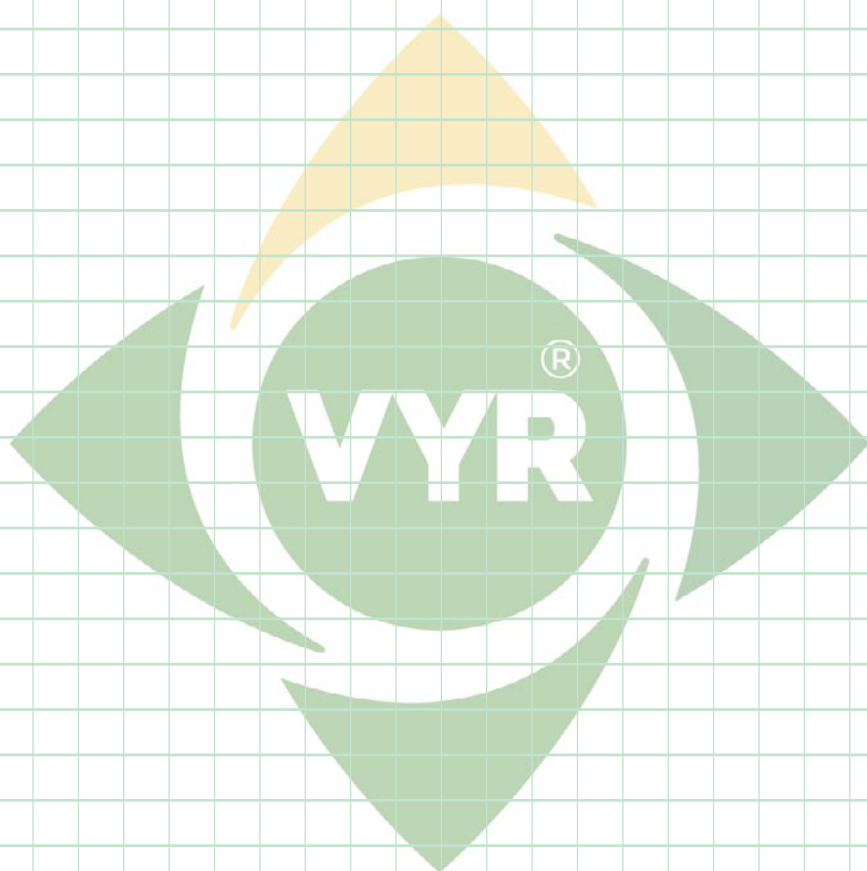
No vane VS: The turbulences that come right out of the water through the nozzle are not eliminated causing a drop something more broken and smaller radius of reach. For average pressures of 3.4.5 BAR (35-50 PSI).

VR red vane: Causes helical turbulence before the water leaves the nozzle, thus causing a more broken stream with a smaller drop. This causes sacrificing part of the scope of the sprinkler at medium-high pressures, but improves sprinkler operation and CU with low pressures of 1.8-2.5 BAR (25-35 PSI).

VA blue vane: Causes strong helical turbulence with lower flow rate before the water leaves the nozzle, thus causing a more broken jet with a smaller drop. This causes sacrificing part of the scope of the sprinkler at medium-low pressures, but improves sprinkler operation and CU with very low pressures 1.4-2.2 BAR (20.30 PSI).

NOTE: In the orders, the ending -VL, -VC, -VS, -VR or VA will be added at the end of the sprinkler + nozzles reference to specify the type of pod that is installed. (Ex.: 0035204424-VR / "Sprinkler VYR-35 female with 4,4x2,4 mm nozzles and red sheath").







PROFESSIONAL IRRIGATION SYSTEMS
... FOR A SUSTAINABLE WORLD

VYR S.A.

Polígono Industrial N-1
09001 Burgos, SPAIN

Tlf.: +34 947 26 22 26

Fax: + 34 947 26 21 24

E-mail: vyrsa@vyrsa.com

Web: www.vyrsa.com





- Modular collectors made of high strength reinforced polypropylene plastic.
- Models in 2" and 3"
- High security VITAULIC flange connection system with EPDM seal.

Ref. 695001: MASTER HYDRANT 4": Manifold + Security Valv. + Air-Release Valv. VYR-39 2" + Y Rock-Filter + 2 metal hydrants 3" flanged + Pres. Reg. Pilot + 2 neck downpipes swan 3"

Ref. 695002: MASTER HYDRANT 5": Manifold + Security Valv. + Air-Release Valv. VYR-39 2" + Y Rock-Filter + 2 metal hydrants 3" flanged + Pres. Reg. Pilot + 2 neck downpipes swan 3"

Ref. 695003: MASTER HYDRANT 6": Manifold + Security Valv. + Air-Release Valv. VYR-39 2" + Y Rock-Filter + 2 metal hydrants 4" flanged + Pres. Reg. Pilot + 2 neck downpipes swan 4"

Ref. 695004: MASTER HYDRANT 8": Manifold + Security Valv. + Air-Release Valv. VYR-39 2" + Y Rock-Filter + 2 metal hydrants 4" flanged + Pres. Reg. Pilot + 2 neck downpipes swan 4"

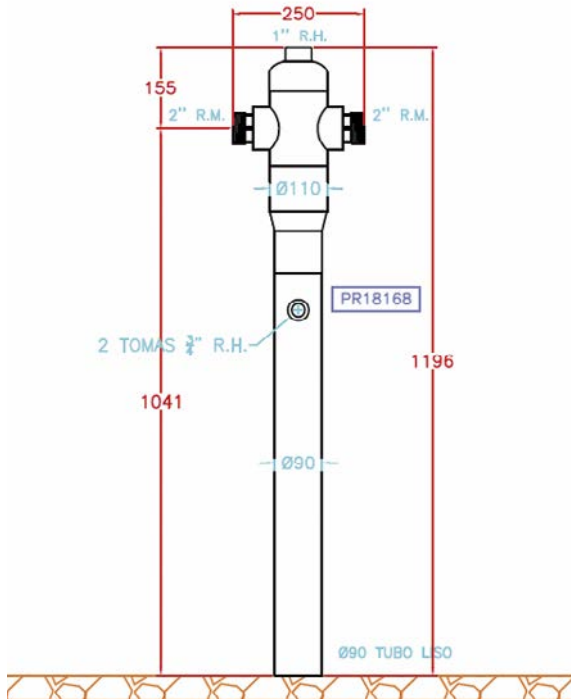
Ref. 695005: MASTER HYDRANT 8": Manifold + Security Valv. + Air-Release Valv. VYR-39 2" + Y Rock-Filter + 2 metal hydrants 6" flanged + Pres. Reg. Pilot + 2 neck downpipes swan 6"

Ref. 695006: MASTER HYDRANT 10": Manifold + Valv. + Security
Air-Release Valv. VYR-39 2" + Y Rock-Filter + 2 metal hydrants 6"
flanged + Pres. Reg. Pilot + 2 neck downpipes swan 6"

Ref. 695007: MASTER HYDRANT 12": Manifold + Security Valv. + Air-Release Valv. VYR-39 2" + Y Rock-Filter + 2 metal hydrants 8" flanged + Pres. Reg. Pilot + 2 neck downpipes swan 8"

VYR-6940

Modular Sector Hydrants



MANIFOLDS AG-PPR VYR-6900 · Modular Hydrant Manifolds

GENERAL PROPERTIES:

- Modular collectors made of high strength reinforced polypropylene plastic.
- Models in 2" and 3"
- High security VITAULIC flange connection system with EPDM seal.

MODELS:

Ref. 694001: MASTER HYDRANT 1 1/2": Manifold 1 1/2" + 2 Security Valv. + Air-Release Valv. VYR-39 1" + 2 hydraulic valv. 1 1/2"

Ref. 694002: MASTER HYDRANT 2": Manifold 2" + 2 Security Valv. + Air-Release Valv. VYR-39 1" + 2 hydraulic valv. 2"

Ref. 694003: MASTER HYDRANT 3": Manifold 3" + 2 Security Valv. + Air-Release Valv. VYR-39 1" + 2 hydraulic valv. 2"

Ref. 694004: MASTER HYDRANT 3": Manifold 4" + 2 Security Valv. + Air-Release Valv. VYR-39 1" + 2 hydraulic valv. 3"

Ref. 694005: MASTER HYDRANT 4": Manifold 3" + 2 Security Valv. + Air-Release Valv. VYR-39 1" + 2 hydraulic valv. 2"

Ref. 694006: MASTER HYDRANT 6": Manifold 6" + 2 Security Valv. + Air-Release Valv. VYR-39 1" + 2 hydraulic valv. . 4"

Ref. 694007: MASTER HYDRANT 6": Manifold 6" + 2 Security Valv. + Air-Release Valv. VYR-39 1" + 2 hydraulic valv. . 6"

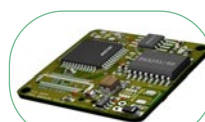
PG-6011 Master-Rain 4.0



Compatible with:
Hydroplus



COMMUNICATION
WITH MODULES
OASIS RD



COMMUNICATION
WITH MODULES
HELIOS RC



MASTER-LATCH PG-6011RD-3.0 · Radio-Decoder Controller for up to 80 stations

GENERAL PROPERTIES:

- MASTER-RAIN programmer of 9-12Vdc with LATCH outputs.
- Modular system with EXPANSION base plate with 14 valves + MV and expandable in cascade with up to 2 expansion plates of another 14 valves + MV each, TOTAL 42 VALVES.
- Number of stations: 14 - 28 - 42 stations + master valve.
- Number of programs: 4 independent and overlapping programs.
- FERTIRRIGATION of up to 4 fertilizers with pre-wash time.
- Program for AGAINST WASHING of filters totally configurable in number of heads and washing sequences.
- Number of starts: 6 starts per program.
- Cycle duration: up to 7 days. (12 h max per valve).
- Programming times: from 1 minute to 12 hours per valve, with descending counter in minutes.
- MANUAL START of stations and programs with "countdown".
- Programmable delays between stations and / or pump.
- COMMUNICATIONS PORT for remote control through HELIOS modules or OASIS modules.
- Box with press-stop outputs and security lock with outlets for outdoor antenna.
- Program "D" configurable in minutes or seconds with inhibition from the N / C sensor. This allows us to connect pressure differential pressure switches for the counter-washing of automatic filters, connection to fertilizer injection pumps or short sequential irrigation.
- Easy installation, programming and use thanks to its versatile design and its hybrid control system.
- Rotary mechanical control and 4-key ergonomic keyboard.
- Digital display with LED backlight and icons that make it very easy to use.
- PAUSE position for days.
- Adjustment of water supply between 10% and 400%

- Input for activation of master valve and two inputs for sensors, one normally open (differential pressure switch for washing filters), and the other normally closed (rain sensor).
- Safety system with low battery ALARM (closes all valves and is blocked until the change by a new battery).
- Volatile memory that keeps the programs made and are not deleted in case of blackouts.
- **Complies with standard UNE-15099 / ISO-21622**

TECHNICAL SPECIFICATIONS:

- Voltage: 9V alkaline battery or 12Vdc transformer. Internal battery in circuit to keep the time temporarily in case of blackouts.
- Output: 30 mA.
- Number of admissible valves: 1 Latch solenoid of 9-12V per output no more than 3 meters away.
- Connection strip: cables up to 1.5 mm.

MEASUREMENTS:

- Height: 22 cm / 8,7 in
- Width: 16 cm / 6,3 in
- Weight: 460 g / 1Lbs
- Depth: 5 cm / 2 in

**The perfect solution for
mobile coverage irrigation
systems!!!**

MODELS:

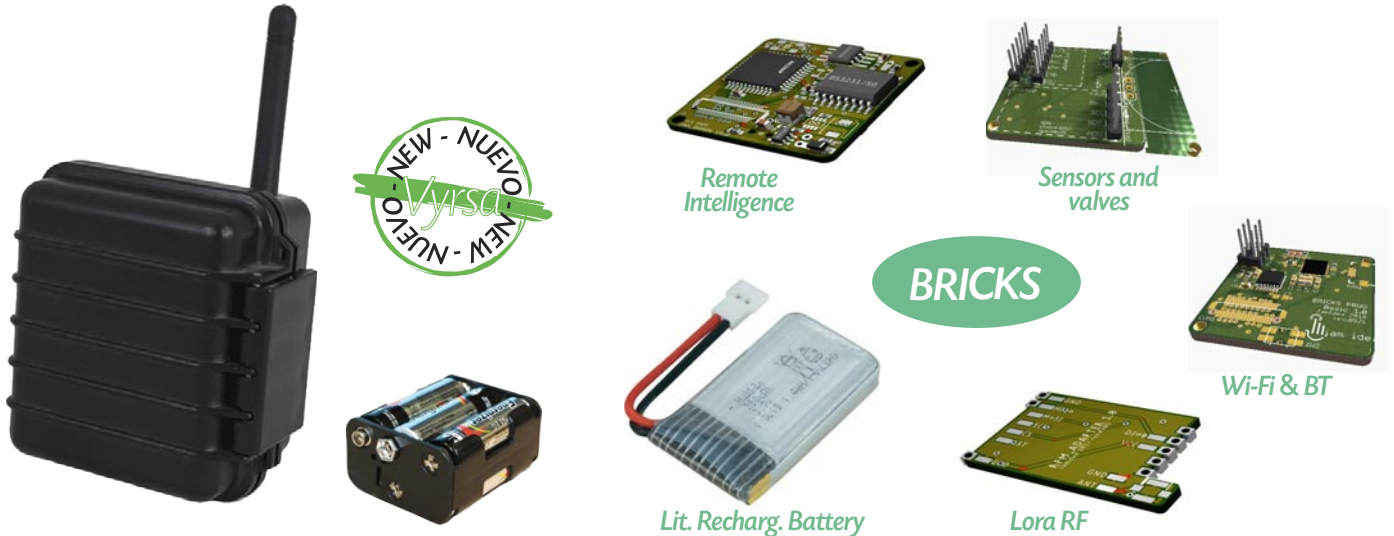
Ref. 601100: PG-6011 Master-Rain 4.0 - 14 STATIONS

Ref. 601114: EXPANSSION card 14+1

Ref. 601195: DIFFERENTIAL OF PRESSURE sensor module.

OASIS RD Radio Decoders

Up to 12 Km / 8 miles!



OASIS RD · Modular Tele-Control System and Irrigation Networks

- It is no longer necessary to wire or connect with hydraulic micro-pipe from the programmer to the valves, thus avoiding costly installation, risk of breakdown, maintenance costs, etc.
- The **OASIS RD** System offers you the possibility to directly communicate valves in the field either through a master programmer or directly with a communication gateway to tele-manage it from a mobile application APP.
- This system has a design that follows the modular concept of "LEGO" and part of a motherboard from which we can add a series of mini-electronic cards that we call "BRICK". Each of these BRICK has a function:
 - Storage and program management (BRAIN BRICK)
 - WiFi, GSM, BT or Radio LoRa communication (COM BRICK)
 - Pulse outputs for solenoids LATCH (VALVE BRICK)
 - Inputs for remote sensors. (SENSOR BRICK)
- Valid system to integrate with models PG-6061 BT (page 125), PG-6011 BT (page 127), and PG-6015 BT (page 132).
- The LoRa communication allows us to communicate equipment and valves to each other in urban spaces or fields with irregular geography, minimizing the impact of obstacles and maintaining good communication.
- Complies with standard UNE-15099 / ISO-21622

TECHNICAL SPECIFICATIONS:

- 5-12Vdc power supply.
- Number of stations: 2 or 4.
- Mobile telemanagement APP: HydroPLUS or V-BT

MODELS:

BOX:

Ref. 602610: Outdoor box IP-67 OASIS.

EMITTERS:

Ref. 602601: **BASE-BRICK** motherboard with PG connector and power supply to 9-12Vdc.

Ref. 602601: Intelligence **BRICK BRAIN** card+ LoRa.

Ref. 602601: Communication **GPRS-BRICK** card (optional).

Ref. 602601: Communication **WiFi-BRICK** (optional).

Ref. 602601: Communication **BlueTooth BT-BRICK** (optional).

RECEPTORS:

Ref. 602602: **BASE-BRICK-2** base plate power and control of 2 solenoids, + 2 digital inputs, 2 analog I / O inputs.

Ref. 602604: **BASE-BRICK-4** base plate power and control of 4 solenoids, + 2 digital inputs, 2 analog I / O inputs.

Ref. 602609: **BRAIN-BRICK** intelligence card + LoRa.

Ref. 602608: **GPRS-BRICK** com-card GPRS (optional).

Ref. 602601: **WiFi-BRICK** com-card WiFi (optional).

Ref. 602601: **BT-BRICK** com-card BlueTooth (optional).

BATTERIES:

Ref. 602621: Battery block of 6 x 1,5V AAA (receptors).

Ref. 602622: LIPO Battery 3,7 V (emittes).

