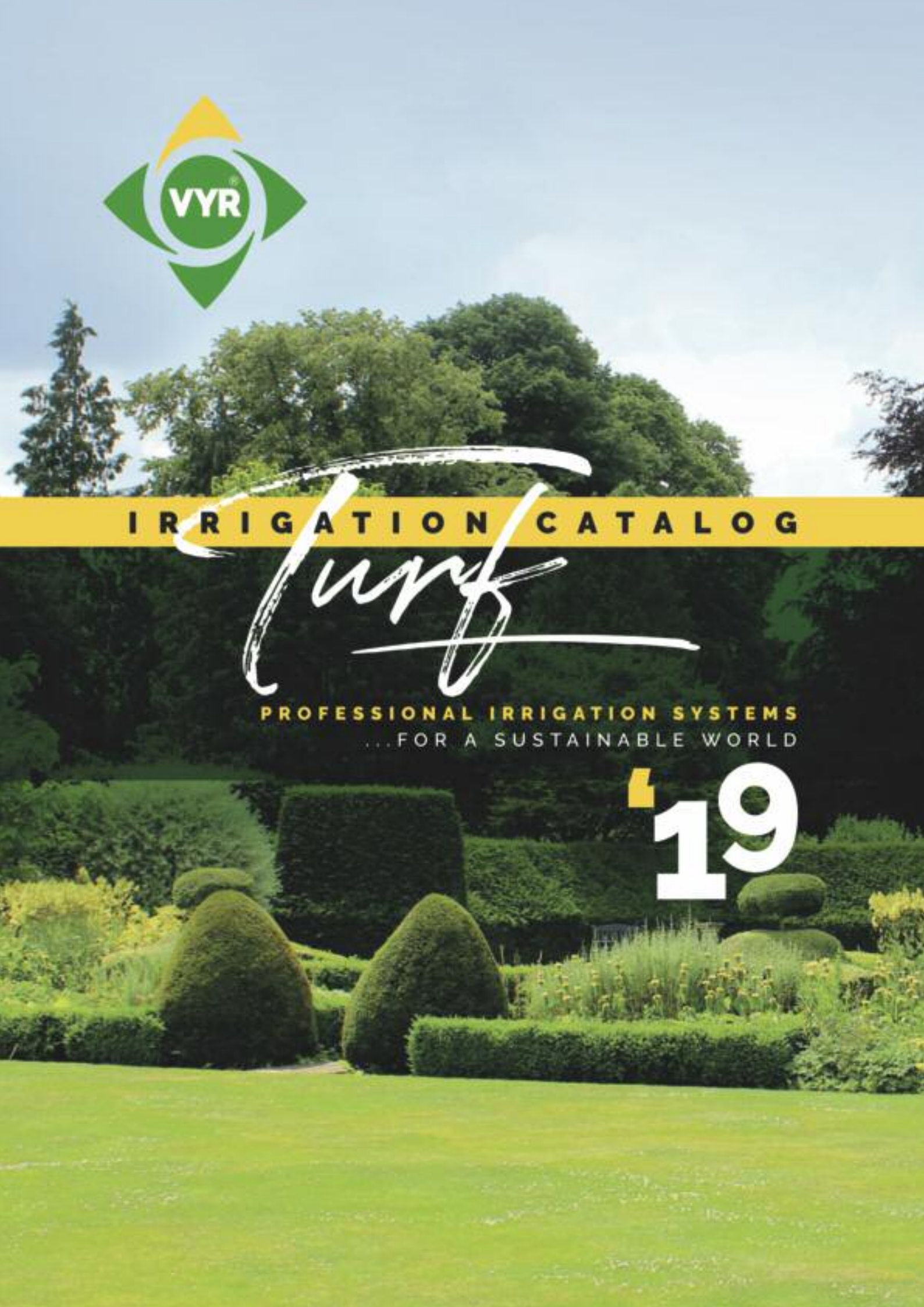


IRRIGATION CATALOG

Turf

PROFESSIONAL IRRIGATION SYSTEMS

...FOR A SUSTAINABLE WORLD

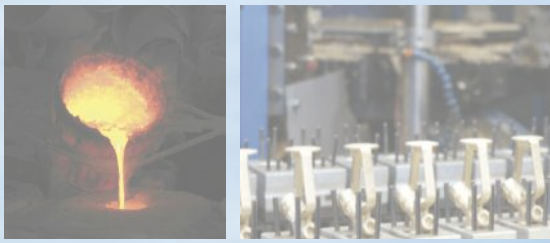
'19

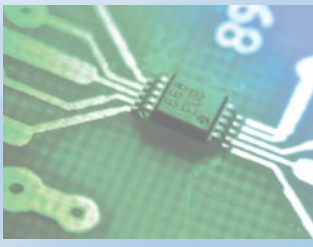
The company VYR S.A.

VYR S.A. is a Spanish company with **over 40 years of experience** n 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).

IQNet
THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

AENOR has issued an IQNet recognized certificate that the organization:

VALVULERIA Y RIEGOS POR ASPERSION, S.A.
PI N-1 MONTE DE LA ABADESA PARCELA 3501.
09001 - BURGOS

has implemented and maintains a

Quality Management System

for the following scope:

The design, the production and the assembly of sprinklers, valves, and control systems for irrigation.

which fulfils the requirements of the following standard

ISO 9001:2015

First issued on: 2001-01-30 Last issued: 2019-01-08 Validity date: 2022-01-08

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document

Registration Number: ES-0161/2001

AENOR

AENOR

Certificado del
Sistema de Gestión de la Calidad

ER-0161/2001

VALVULERIA Y RIEGOS POR ASPERSION, S.A.

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New Products 2019

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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

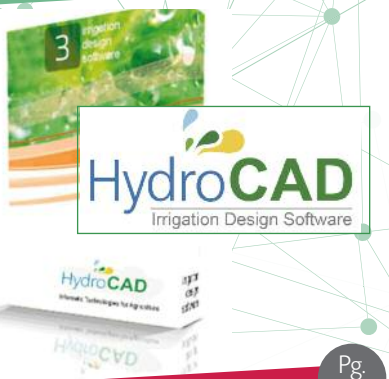
New nozzles for models VYR-972 & VYR-973
Nozzles reaching up to 17.5 mm with special counterweight to shovel manage to increase coverage under the sprinkler series VYR VYR-972 and-973.

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 proffessional contructor 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 of24 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

VYR-6154 Modular Hydraul. Valve 4"

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.

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

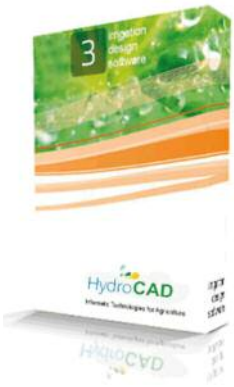
MODULAR MAIN HYDRANTS

New range of HDPE parts PN-16 for the assembly of main hydrants with all its components such as master valve, air release valve, flow meter, etc

HydroCAD
Irrigation Design Software

Windows 10 Compatible

NEW VERSION FOR MAC

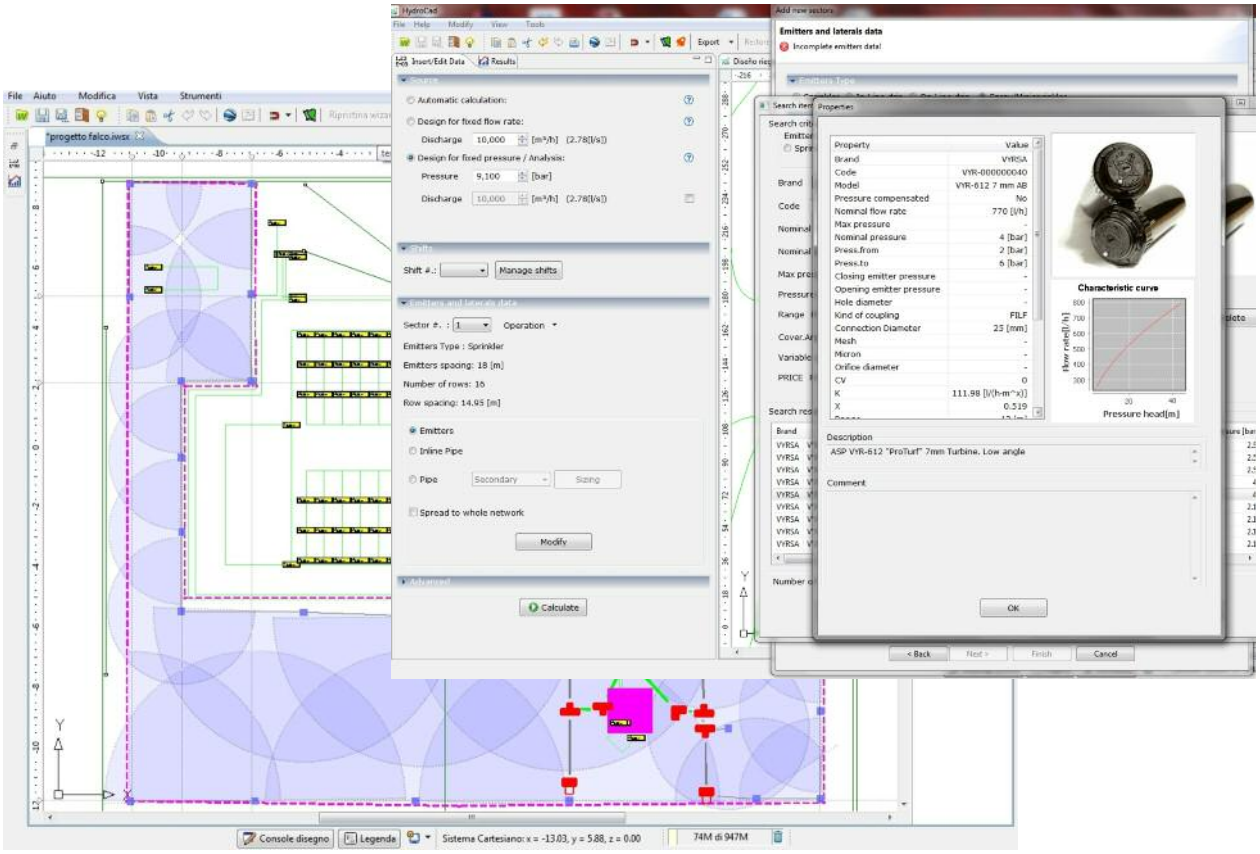


VYR S.A. It has a specialized department for the calculation and design of all types of sprinkler irrigation projects. From its initial measurement and topographic phase of the land to the hydrographic calculation and design of the spacings between sprinklers and laterals. Our engineers will offer you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



Pop-Up Sprayers

- VYR-118 Brass Sprayers..... Pg. 10
- VYR-180 Pop-Up Plastic Sprayers.....Pg. 11
- VYR-181 Pop-Up Plastic Sprayers..... Pg. 12
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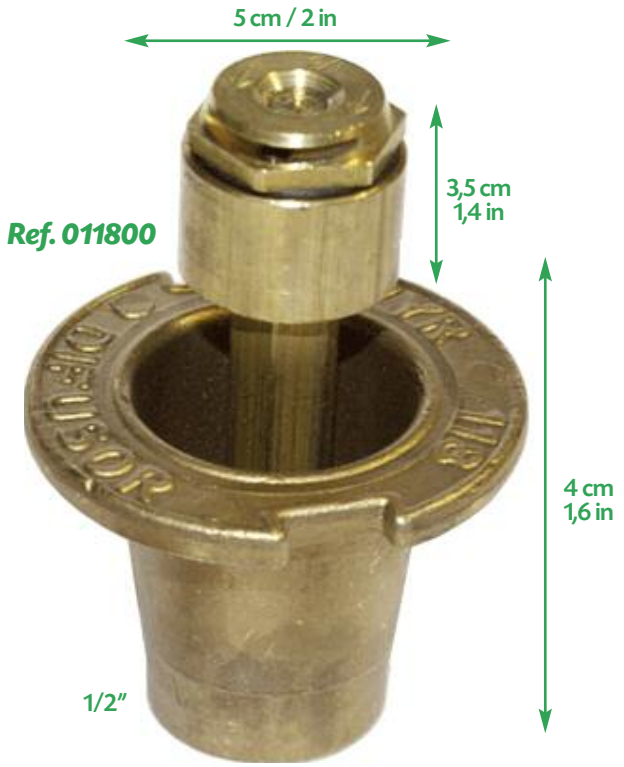
VYR-118



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 15	960 253	7 23	52 2,05	60 2,35	23 0,90	27 1,05	13 0,50
	2 29	1320 348	7 23	71 2,80	82 3,20	32 1,25	37 1,45	18 0,70

Ø: Diameter range

VYR-180 Pro-Spray

Ref. 018000

Ref. 118011

Ref. 118010

Ref. 118012

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 colunm 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: 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).

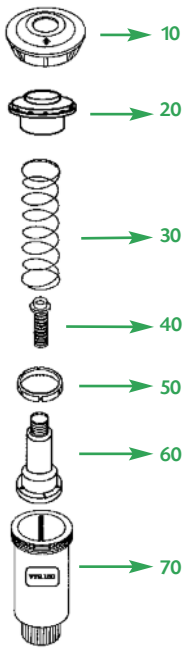
MODELS:

Ref. 111801: 11 cm / 4,3 in
Ref. 111802: 15 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 colunm 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

Check Valve

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. 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.

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. 118010: Check-Valve for VYR-180-S
Ref. 118012: Check-Valve for VYR-180-L
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 strengh plastic POM.

MODELS:

Ref. 118090: Spray Nozzle Adapter with 1/2" female inlet.

Ref. 118090

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.) Fixed (Quarter, Half, Full) Trajectory: 0° Color Code: Brown		3.0 m (10 ft.) Fixed (Quarter, Half, Full) Trajectory: 15° Color Code: Red		3.7 m (12 ft.) Fixed (Quarter, Half, Full) Trajectory: 28° Color Code: Green		4.6 m (15 ft.) Fixed (Quarter, Half, Full) Trajectory: 28° Color Code: Black	
Arc	Pressure Bar	Kpa	Radius m	Flow LPM	Radius m	Flow mLPM	Radius m	Flow LPM	Radius m	Flow LPM
90°	1.4	137	1,7	1,4	2,5	2,2	3,2	2,5	4,2	6
	1.7	172	1,8	1,6	3	3,1	3,5	3,4	4,4	6,8
	2.1	**206**	2,1	1,9	3,2	3,5	3,8	3,6	4,7	7,1
	2.4	241	2,5	1,9	3,6	3,6	4	4	4,9	7,6
	2.8	275	2,7	2	3,8	3,8	4,2	4,3	5,1	8,2
180°	1.4	137	1,7	2,6	2,5	4,2	3,2	5,1	4,2	8,9
	1.7	172	1,8	3,1	3	4,7	3,5	6	4,4	10,2
	2.1	**206**	2,1	3,7	3,2	5,5	3,8	6,5	4,7	11
	2.4	241	2,5	3,8	3,6	6	4	7,2	4,9	11,5
	2.8	275	2,7	4,4	3,8	6,2	4,2	7,6	5,1	12,3
360°	1.4	137	1,7	5,1	2,5	7,5	3,2	11,1	4,2	13,5
	1.7	172	1,8	5,9	3	8,1	3,5	12,5	4,4	15,9
	2.1	**206**	2,1	7,4	3,2	10,3	3,8	13,4	4,7	17
	2.4	241	2,5	7,8	3,6	11	4	15	4,9	17,9
	2.8	275	2,7	9	3,8	12,2	4,2	16,1	5,1	18,9
			7Q		**10Q**		**12Q**		**15Q**	
			7H		**10H**		**12H**		**15H**	
			7F		**10F**		**12F**		**15F**	

Serie V-fix - IMPERIAL

Boquillas Fijas *Fixed Arc*			2.1 m (7 ft.) Fixed (Quarter, Half, Full) Trajectory: 0° Color Code: Brown		3.0 m (10 ft.) Fixed (Quarter, Half, Full) Trajectory: 15° Color Code: Red		3.7 m (12 ft.) Fixed (Quarter, Half, Full) Trajectory: 28° Color Code: Green		4.6 m (15 ft.) Fixed (Quarter, Half, Full) Trajectory: 28° Color Code: Black	
Arc	Pressure BAR	PSI	Radius Ft.	Flow GPM	Radius Ft.	Flow GPM	Radius Ft.	Flow GPM	Radius Ft.	Flow GPM
90°	1.4	7,8	5,6	0,37	8,2	0,40	10,5	0,55	13,8	0,77
	1.7	24,7	5,9	0,42	9,8	0,42	11,5	0,61	14,4	0,84
	2.1	**30,5**	6,9	0,50	10,5	0,50	12,5	0,69	15,4	0,95
	2.4	34,8	8,2	0,58	11,8	0,61	13,1	0,77	16,1	1,06
	2.8	40,6	8,9	0,69	12,5	0,74	13,8	0,82	16,7	1,11
180°	1.4	7,8	5,6	0,71	8,2	0,74	10,5	1,1	13,8	1,53
	1.7	24,7	5,9	0,82	9,8	0,82	11,5	1,16	14,4	1,74
	2.1	**30,5**	6,9	0,95	10,5	0,98	12,5	1,43	15,4	1,87
	2.4	34,8	8,2	1,03	11,8	1,03	13,1	1,56	16,1	2,01
	2.8	40,6	8,9	1,45	12,5	1,48	13,8	1,66	16,7	2,24
360°	1.4	7,8	5,6	1,37	8,2	1,40	10,5	2,16	13,8	3,06
	1.7	24,7	5,9	1,61	9,8	1,64	11,5	2,30	14,4	3,46
	2.1	**30,5**	6,9	1,98	10,5	1,98	12,5	2,85	15,4	3,67
	2.4	34,8	8,2	2,09	11,8	2,11	13,1	3,01	16,1	4,01
	2.8	40,6	8,9	2,90	12,5	2,96	13,8	3,33	16,7	4,46
			7Q		**10Q**		**12Q**		**15Q**	
			7H		**10H**		**12H**		**15H**	
			7F		**10F**		**12F**		**15F**	

VYR-1180-E Adjustable angle spray nozzles

Serie V-eco

Serie V-eco - METRIC

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

Serie V-eco - IMPERIAL

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

NEW - NUEVO - NEW - NUEVO - VYRSA

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.

VYR-1180-P Adjustable Angle Stream Nozzles

V-plus Series

Serie V-plus - METRIC

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

Serie V-plus - IMPERIAL

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

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.

Ref. 118004A07

Ref. 118004A10

Ref. 118004A12

Ref. 118004A15

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

V-plus Series

Serie V-fix - METRIC

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

Serie V-fix - IMPERIAL

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

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. 118009 - LS : End Strip.
Ref. 118009 - CS : Center Strip
Ref. 118009 - SS : Side Strip.
Ref. 118009 - SQ: Square.

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. 118011 - SS : 2 Side Streams.
Ref. 118011 - CS : 6 Radial Streams.
Ref. 118011 - U : Umbrela.

Serie V-fix - METRIC

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

Serie V-fix - IMPERIAL

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

VYR-612 Pro-Turf

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

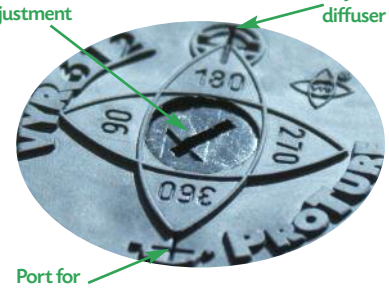
NOZZLE	PRESSURE		FLOW				RADIUS	
	BAR	PSI	LPM	GPM	m³/h	GPH	m	ft
90	2	29	10	2,6	0.60	159	10,5	34,5
	3	44	11,2	3,0	0.69	178	11	36
	4	58	12,5	3,3	0.75	198	11	36
	5	72	14,5	3,8	0.90	230	11	36
91	2	29	5	1,3	0,30	79	13	43
	3	44	9	2,4	0,54	143	13.5	44,5
	4	58	13	3,4	0,78	206	14	46
	5	72	20	5,3	1,20	317	14.5	47,5
92	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
93	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
94	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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

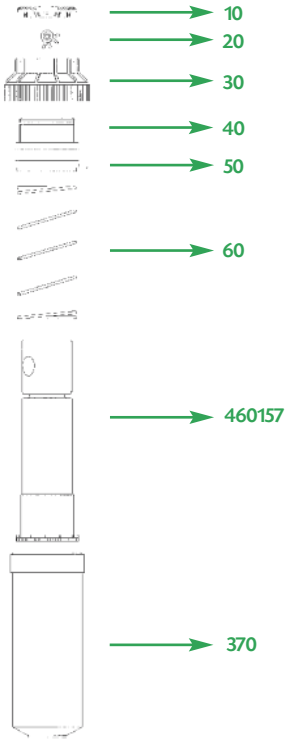


Tool key for adjustments

Integrated check-valve in filter (2 MCA).

VYR-601 Irri-Turf

Ref. 060100 *Ref. 060101*



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 Urban..... Pg. 22
- VYR-962 Colibrí..... Pg. 24

VYR-961 Urban

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:

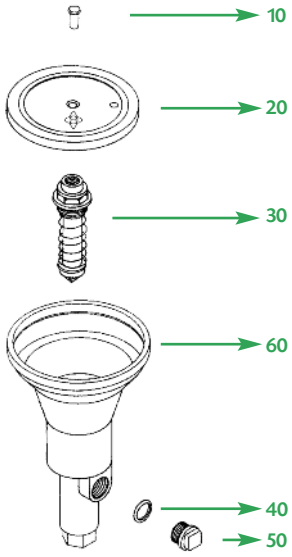
Ref. 009612: Brass full circle Pop-Up sprinkler. VYR-50. Ref. 005002.
Ref. 009613: Brass part circle Pop-Up sprinkler. VYR-50. Ref. 005005.
Ref. 009614: Brass full circle sprinkler. VYR-80. Ref. 008002, anti-splash arm.
Ref. 009615: Brass part circle sprinkler. VYR-80. Ref. 008005, anti-splash arm.
Ref.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

TABLES & PARTS

Technical guidance table VYR-961

NOZZLE	BAR PSI	Spacing (m) / Precipit. rate (mm/h) Spacing (ft) / Precipit. rate (in/h) 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
	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 mm 5/32"	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
	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
	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-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	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

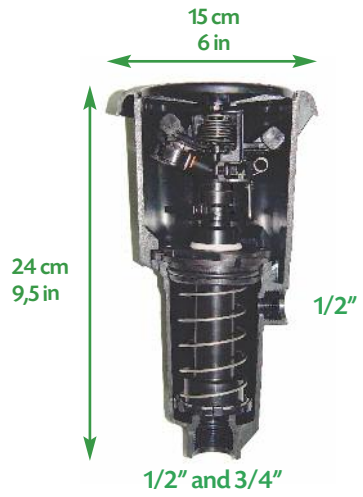
Solamente para aspersores circulares. Only for full circle series.

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



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

GENERAL PROPERTIES:

- COLIBRÍ 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, 11x13Tmeters (32x32 R, 36x36 T, 36x42 T feet).

APPLICATIONS:

- VYR-962 COLIBRÍ 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 Gasked for VYR-962 Check-Valve.

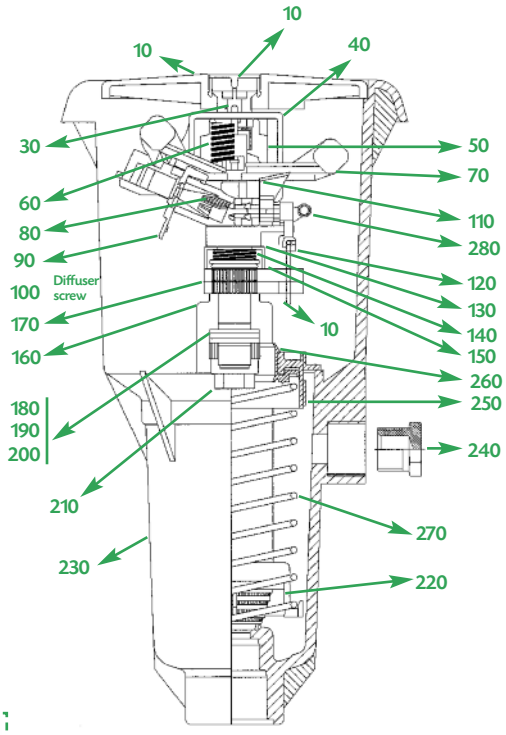
Check-valve & filter integrated

TABLES & PARTS

Technical guidance table VYR-9612

NOZZLE	BAR / PSI	9x9 30x30	9x9 T 30x30 T	9x10 T 33x33 T	10x10 T 33x33 T	10x12 33x39	12x12 39x39
		Spacing (m) / Precipit. rate (mm/h) Spacing (ft) / Precipit. rate (in/h)					
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
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 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

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



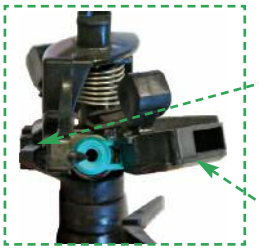
Performance nozzle tables VYR-962

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
1,5 22	450 119	20 66	580 153	21 69	730 193	22 72
2 29	510 135	21 69	660 174	22 72	850 225	23 75
2,5 36	550 145	22 72	740 195	23 75	950 251	24 79
3 44	630 166	23 75	810 214	23 75	1030 272	24 79
3,5 51	680 180	23 75	870 230	24 79	1110 293	25 82
4 58	720 190	24 79	930 246	25 82	1180 312	26 85

Solamente para aspersores circulares.
Only for full circle series.

: Estándar Ø: Diámetro de cobertura

Adjustment of 3 different spring-tension / speed possition



Adjustable difuser 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 S..... Pg. 28
- VYR-650 M Green-Keeper M..... Pg. 30
- VYR-650 L Green-Keeper L..... Pg. 32
- VYR-970 Cancha..... Pg. 34
- VYR-972 Stadio..... Pg. 36

VYR-650 XS/S
Green-Keeper XS/S

Ref. 065017

Ref. 065007

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.
- Fluortilene, 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

Ref. 065035

Large model with rubber cup for turf integration

Ref. 065035

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 friciones, 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 (1.100 - 3.380 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 gradens.

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 11/2" F, FULL WITH Valv.
Ref. 065035 AC: GK-650-M 11/2" F, PART WITHOUT Valv.
Ref. 065031 AC: GK-650-M 11/2" F, FULL WITH Valv.
Ref. 065036 AC: GK-650-M 11/2" F, PART WITHOUT Valv.
Ref. 065040 AC: GK-650-M 11/2" F, FULL WITHOUT Valv. + RUBBER
Ref. 065045 AC: GK-650-M 11/2" 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	-	-	-	-	-	-	-	-	-	-	-	-

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 72	7,7 0,30	8,9 0,35	8 0,31
9/32" x plug	6 87	8,3 0,33	9,7 0,38	8,6 0,34
	7 101	9 0,35	10,4 0,41	9,3 0,37
8 mm x plug	5 72	9,6 0,38	11,2 0,44	10 0,39
5/16" x plug	6 87	10,4 0,41	12,1 0,48	10,8 0,43
	7 101	11,2 0,44	13 0,51	11,6 0,46
9 mm x plug	5 72	11,4 0,45	13,2 0,52	11,8 0,46
23/64" x plug	6 87	12,5 0,49	14,5 0,57	13 0,51
	7 101	13,6 0,54	15,8 0,62	14,1 0,56
10 mm x plug	5 72	13,4 0,53	15,6 0,61	14 0,55
25/64" x plug	6 87	14,7 0,58	17,1 0,67	15,3 0,60
	7 101	16 0,63	18,6 0,73	16,6 0,65

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 + 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 72	9,8 0,39	11,4 0,45	10,1 0,40
9/32" x 3/32"	6 87	10,7 0,42	12,5 0,49	11,1 0,44
	7 101	11,5 0,45	13,4 0,53	12 0,47
8 x 2,4 mm	5 72	11,7 0,46	13,6 0,54	12,1 0,48
5/16" x 3/32"	6 87	12,6 0,50	14,7 0,58	13,1 0,52
	7 101	13,6 0,54	15,8 0,62	14,1 0,56
9 x 2,4 mm	5 72	13,4 0,53	15,6 0,61	14 0,55
23/64" x 3/32"	6 87	14,7 0,58	17,1 0,67	15,3 0,60
	7 101	15,8 0,62	18,4 0,72	16,4 0,65
10 x 2,4 mm	5 72	15,4 0,61	17,9 0,70	15,9 0,63
25/64" x 3/32"	6 87	17 0,67	19,7 0,78	17,6 0,69
	7 101	18,4 0,72	21,4 0,84	19,1 0,75
11 x 2,4 mm	5 72	17,4 0,69	20,3 0,80	18,1 0,71
7/16" x 3/32"	6 87	19 0,75	22,2 0,87	19,8 0,78
	7 101	20,5 0,81	23,8 0,94	21,3 0,84

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

VYR-970 Cancha

Ref. 009700

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.

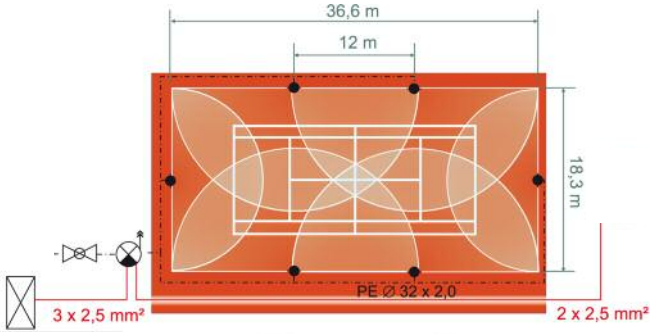
MODELS:

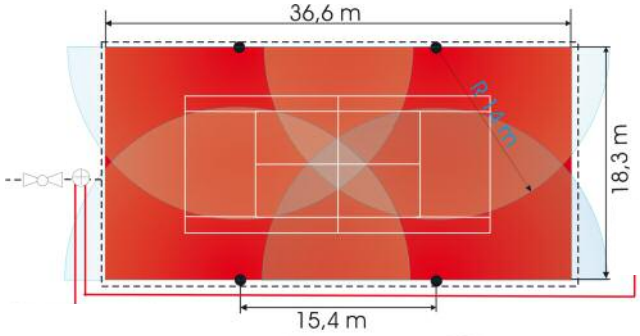
Ref. 097000: 1" full circle POP-UP sprinkler. 3 Nozzles.
Ref. 097005: 1" part circle POP-UP sprinkler. 2 Nozzles.

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

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

Standard

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.

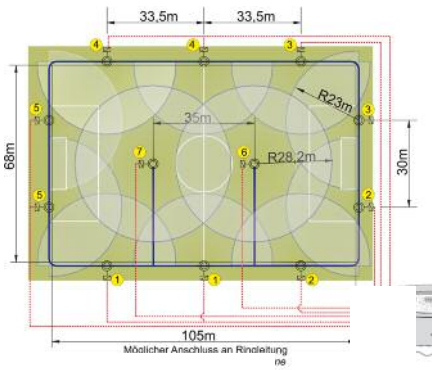
Ref. RB 17441: Check-Valve Set
Ref. RT 17566: Arm Conterweight Set

Ref. 109727: GRASS COVER.

TABLES & PARTS

VYR-972 STADIUM

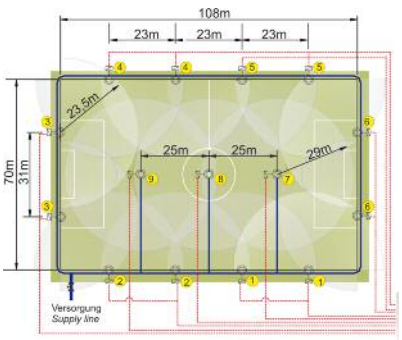
- Pop-up impact sprinkler for gardens, residential areas, parks, and recreational areas. Made with protective plastic and rubber-covered cap or artificial turf. Can be installed inside a casing with a "flowerpot" on top of the sprinkler head to sow natural grass seed.



Performance table with 2 nozzles

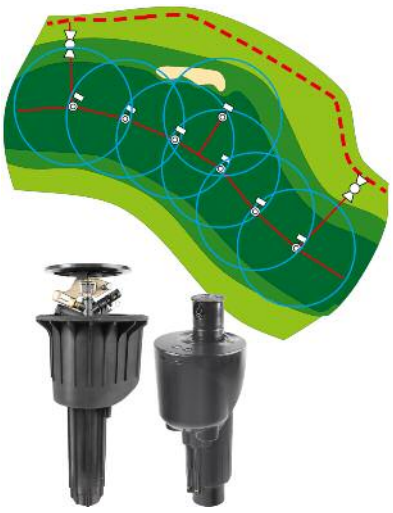
Standard

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



Performance table with 3 nozzles

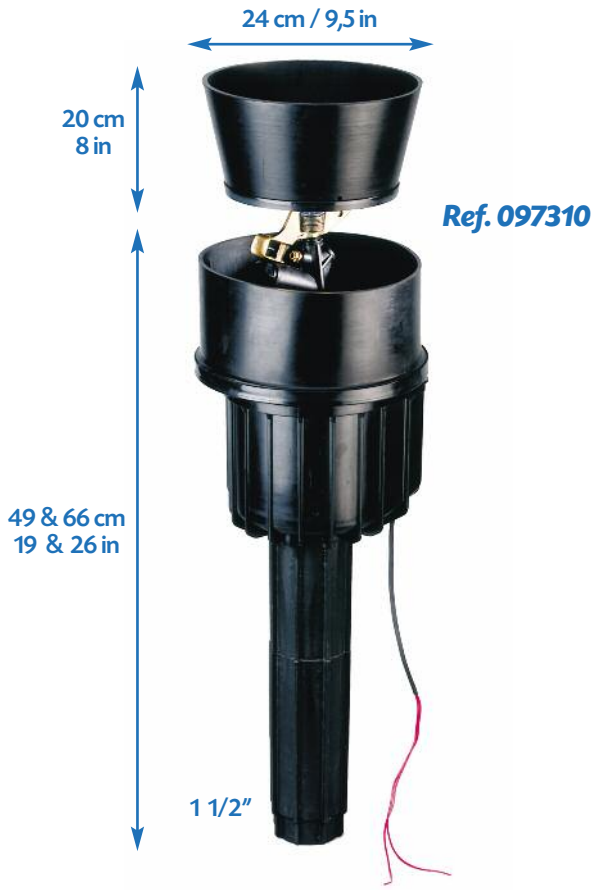
BAR / PSI	3 / 44		4 / 58		5 / 72		6 / 87		7 / 101		8 / 116	
NOZZLE	m³/h GPM	m ft	m³/h GPM	m ft	m³/h GPM	m ft	m³/h GPM	m ft	m³/h GPM	m ft	m³/h GPM	m ft
7 x 5 x 5,2 mm ø 9/32"x13/64"x27/128"	5,6 1478	19 62	6,3 1663	19,5 64	7,1 1874	20,6 68	7,9 2086	21,4 70	8,3 2191	21,9 72	8,7 2297	22,3 73
8 x 5 x 5,2 mm ø 5/16"x13/64"x27/128"	6,7 1769	19,5 64	7,6 2006	20,5 67	8,5 2244	21,5 71	9,4 2482	22,5 74	10,1 2666	23,3 76	10,6 2798	23,8 78
9 x 5 x 5,2 mm ø 23/64"x13/64"x27/128"	7,8 2059	20 66	8,9 2350	21,2 70	10 2640	22,4 73	11 2904	23,6 77	11,8 3115	24,7 81	11,4 3010	25,4 83
10 x 5 x 5,2 mm ø 25/64"x13/64"x27/128"	8,9 2350	20,5 67	10,1 2666	21,9 72	11,3 2983	23,3 76	12,5 3300	24,7 81	13,4 3538	26,1 86	14 3696	26,9 88
11 x 5 x 5,2 mm ø 7/16"x13/64"x27/128"	9,8 2587	21 69	11,3 2983	23 75	12,6 3326	24,8 81	13,9 3670	26,6 87	14,9 3934	27,9 92	15,8 4171	29,1 95
12 x 5 x 5,2 mm ø 15/32"x13/64"x27/128"	11 2904	21,5 71	12,6 3326	24 79	14,1 3722	26,5 87	15,5 4092	28 92	16,7 4409	29,4 96	17,6 4646	30,2 99
13 x 5 x 5,2 mm ø 33/64"x13/64"x27/128"	12,2 3221	22 72	14 3696	25 82	15,7 4145	27,5 90	17,2 4541	29 95	18,5 4884	30,5 100	19,1 5042	32 105
14 x 5 x 5,2 mm ø 35/64"x13/64"x27/128"	13,7 3617	22,5 74	15,7 4145	26 85	17,6 4646	29 95	19,3 5095	30,5 100	20,8 5491	32 105	22 5808	33,6 110
15 x 5 x 5,2 mm ø 19/32"x13/64"x27/128"	15,1 3986	23 75	17,4 4594	27 89	19,4 5122	30 98	21,3 5623	32 105	23 6072	33,5 110	24,6 6494	35 115
17,5 x 5 x 5,2 mm ø 11/16"x13/64"x27/128"	18 4752	24 79	20,7 5465	28 92	23,1 6098	31 102	25,4 6706	34 112	27,4 7234	36,5 120	29,6 7814	38 125



STADIUM
Sprinklers

- VYR-973 Coliseo ..... Pg. 38
- VYR-980 Olimpia II..... Pg. 40
- VYR-5300 Rain Runner..... Pg. 42
- VYR-157..... Pg. 44

VYR-973 Coliseum



Ref. 097310

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 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 / 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.

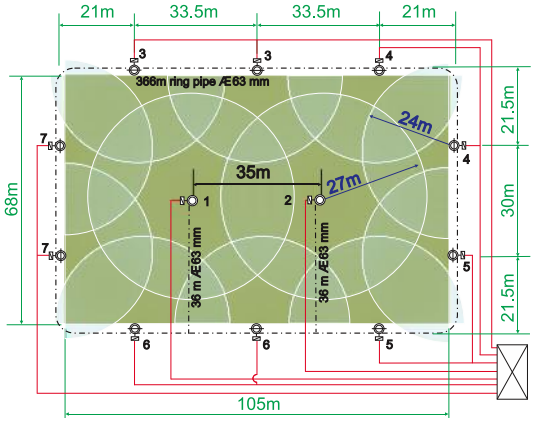
MODELS:

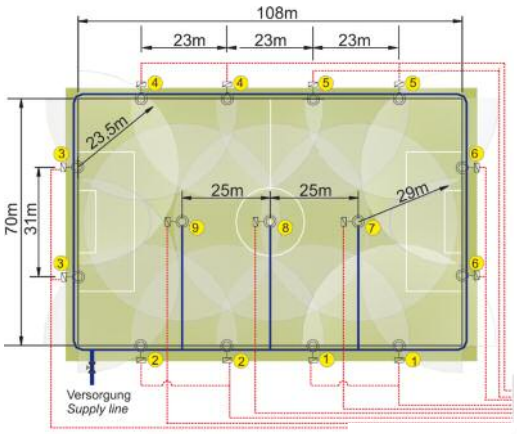
Ref. 097320: 1 1/2" FULL circle, 3 Nozzles.
Ref. 097321: 1 1/2" FULL circle, W/VALVE, 3 Nozzles.
Ref. 097322: 1 1/2" PART circle , 2 Nozzles.
Ref. 097323: 1 1/2" PART circle, W/VALVE , 2 Nozzles.

Ref. RB 17441: Check-Valve Set
Ref. RT 17566: Arm Conterweight 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 9/32"x 13/64" ø	4,6 1214	19 62	5,2 1373	19,5 64	5,8 1531	20,6 68	6,4 1690	21,4 70	6,8 1795	21,9 72	7,1 1874	22,3 73
8 x 5 mm ø 5/16"x 13/64" ø	5,7 1505	19,5 64	6,5 1716	20,5 67	7,2 1901	21,5 71	7,9 2086	22,5 74	8,5 2244	23,3 76	9 2376	23,8 78
9 x 5 mm ø 23/64"x 13/64" ø	6,8 1795	20 66	7,8 2059	21,2 70	8,7 2297	22,4 73	9,5 2508	23,6 77	9,2 2429	24,7 81	9,8 2587	25,4 83
10 x 5 mm ø 25/64"x 13/64" ø	7,9 2086	20,5 67	9 2376	21,9 72	10 2640	23,3 76	11 2904	24,7 81	11,8 3115	26,1 86	12,4 3274	26,9 88
11 x 5 mm ø 7/16"x 13/64" ø	8,8 2323	21 69	10,2 2693	23 75	11,3 2983	24,8 81	12,4 3274	26,6 87	13,3 3511	27,9 92	14,2 3749	29,1 95
12 x 5 mm ø 15/32"x 13/64" ø	10 2640	21,5 71	11,5 3036	24 79	12,8 3379	26,5 87	14 3696	28 92	15,1 3986	29,4 96	16 4224	30,2 99
13 x 5 mm ø 33/64"x 13/64" ø	11,2 2957	22 72	12,9 3406	25 82	14,4 3802	27,5 90	15,7 4145	29 95	16,9 4462	30,5 100	18,1 4778	32 105
14 x 5 mm ø 35/64"x 13/64" ø	12,7 3353	22,5 74	14,6 3854	26 85	16,3 4303	29 95	17,8 4699	30,5 100	19,2 5069	32 105	20,4 5386	33,6 110
15 x 5 mm ø 19/32"x 13/64" ø	14,1 3722	23 75	16,3 4303	27 89	18,1 4778	30 98	19,8 5227	32 105	21,4 5650	33,5 110	23 6072	35 115
17,5 x 5 mm ø 11/16"x 13/64" ø	17 4488	24 79	19,6 5174	28 92	21,8 5755	31 102	23,9 6310	34 112	25,8 6811	36,5 120	28 7392	38 125

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 9/32"x13/64"x27/128"	5,6 1478	19 62	6,3 1663	19,5 64	7,1 1874	20,6 68	7,9 2086	21,4 70	8,3 2191	21,9 72	8,7 2297	22,3 73
8 x 5 x 5,2 mm ø 5/16"x13/64"x27/128"	6,7 1769	19,5 64	7,6 2006	20,5 67	8,5 2244	21,5 71	9,4 2482	22,5 74	10,1 2666	23,3 76	10,6 2798	23,8 78
9 x 5 x 5,2 mm ø 23/64"x13/64"x27/128"	7,8 2059	20 66	8,9 2350	21,2 70	10 2640	22,4 73	11 2904	23,6 77	11,8 3115	24,7 81	11,4 3010	25,4 83
10 x 5 x 5,2 mm ø 25/64"x13/64"x27/128"	8,9 2350	20,5 67	10,1 2666	21,9 72	11,3 2983	23,3 76	12,5 3300	24,7 81	13,4 3538	26,1 86	14 3696	26,9 88
11 x 5 x 5,2 mm ø 7/16"x13/64"x27/128"	9,8 2587	21 69	11,3 2983	23 75	12,6 3326	24,8 81	13,9 3670	26,6 87	14,9 3934	27,9 92	15,8 4171	29,1 95
12 x 5 x 5,2 mm ø 15/32"x13/64"x27/128"	11 2904	21,5 71	12,6 3326	24 79	14,1 3722	26,5 87	15,5 4092	28 92	16,7 4409	29,4 96	17,6 4646	30,2 99
13 x 5 x 5,2 mm ø 33/64"x13/64"x27/128"	12,2 3221	22 72	14 3696	25 82	15,7 4145	27,5 90	17,2 4541	29 95	18,5 4884	30,5 100	19,1 5042	32 105
14 x 5 x 5,2 mm ø 35/64"x13/64"x27/128"	13,7 3617	22,5 74	15,7 4145	26 85	17,6 4646	29 95	19,3 5095	30,5 100	20,8 5491	32 105	22 5808	33,6 110
15 x 5 x 5,2 mm ø 19/32"x13/64"x27/128"	15,1 3986	23 75	17,4 4594	27 89	19,4 5122	30 98	21,3 5623	32 105	23 6072	33,5 110	24,6 6494	35 115
17,5 x 5 x 5,2 mm ø 11/16"x13/64"x27/128"	18 4752	24 79	20,7 5465	28 92	23,1 6098	31 102	25,4 6706	34 112	27,4 7234	36,5 120	29,6 7814	38 125

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 reparing.
- 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:

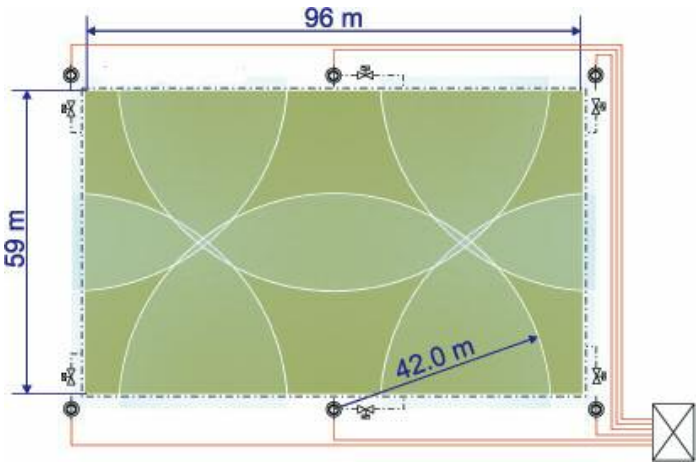
- Cycle counter system "Sector Scout".
- X-Force valve-boxes.
- Maintenance tolls.

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

Ref. 005300

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.

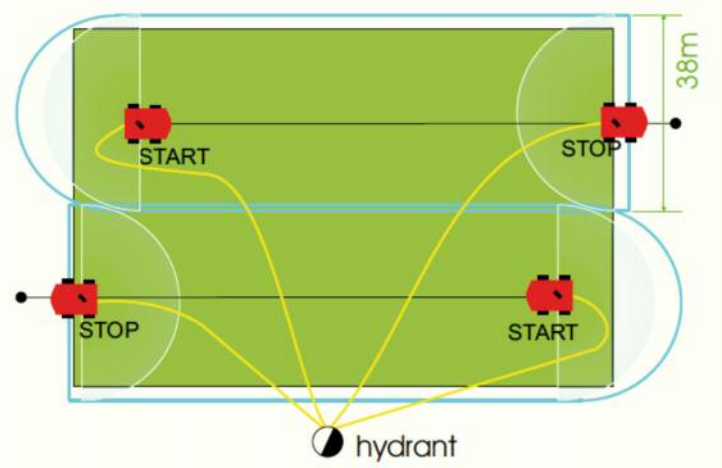
DIMENSIONS:
- Length: 77 cm / 30 in
- Height: 40 cm / 16 in
- Width: 47 cm / 18,5 in
- Weight: 33 Kg / 73 Lbs

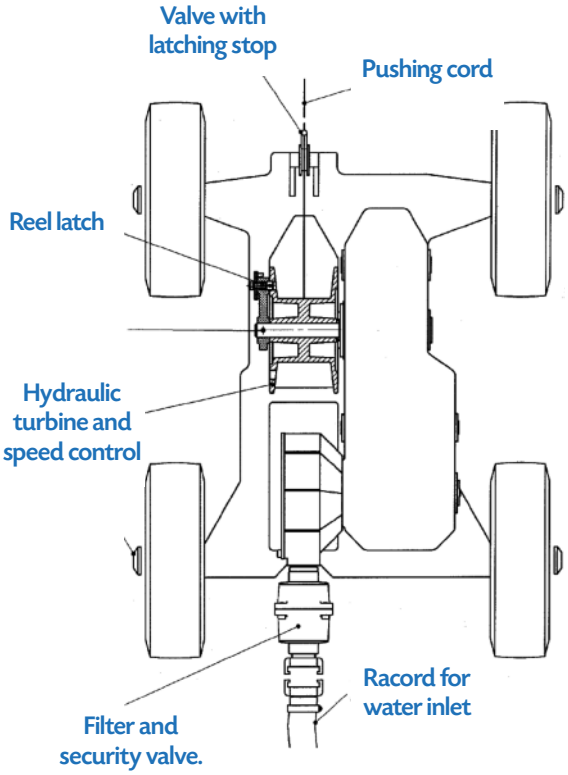
OPTIONS:
- Set with built-in sprinkler according to recommended models.
- Hose 1" for operating on our travelling sprinkler cart VYR-5300.

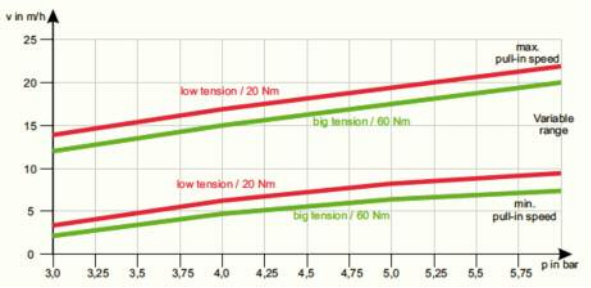
MODELS:
Ref. 005300 Rain-Runner Irrigation cart.

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 supression.
- 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

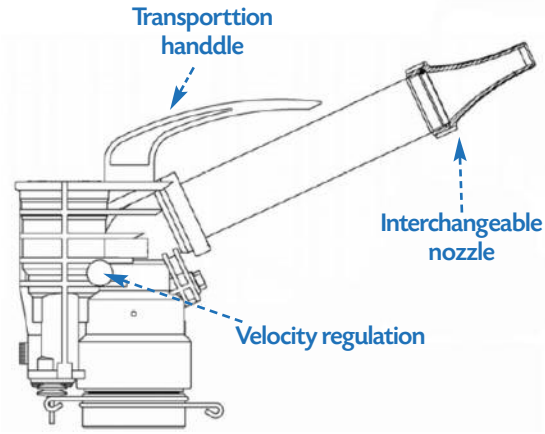
OPTIONS:

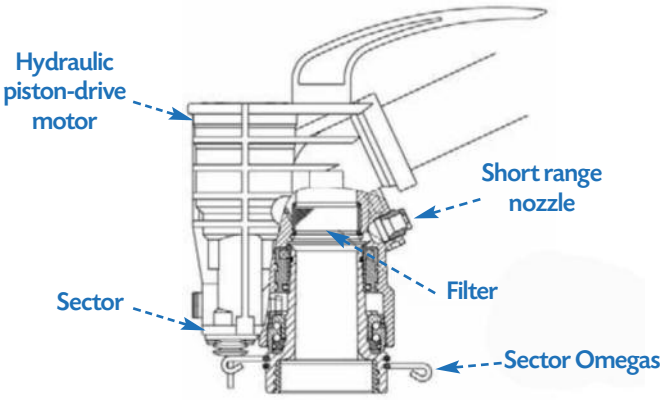
- Automatic kit with 2" or 3" valve, hydraulically or electrically driven.
- Foldable tripod for mobile installation.
- Complete set of nozzles.

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	Øm Ø ft	L/H GPH	Øm Ø ft	L/H GPH	Øm Ø ft	L/H GPH	Øm Ø ft	L/H GPH	Øm Ø ft	L/H GPH	Øm 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 "x13/64"		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	Øm Ø ft	L/H GPH	Øm Ø ft	L/H GPH	Øm Ø ft	L/H GPH	Øm Ø ft	L/H GPH	Øm Ø ft	L/H GPH	Øm Ø ft	L/H GPH	Øm Ø ft	L/H GPH	Øm Ø ft	L/H GPH	Øm 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	61.000	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 Ø: 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 has been obtained at indoor laboratory with 0 m/seg win velocity. Outdoor results may change range distances..

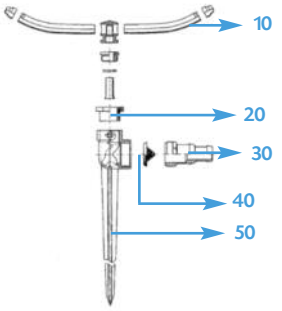
Impact and Rotative Overhead Sprinklers

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 15	960 253	7 23	52 2,05	60 2,35	23 0,90	27 1,05	13 0,50
	2 29	1320 348	7 23	71 2,80	82 3,20	32 1,25	37 1,45	18 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.

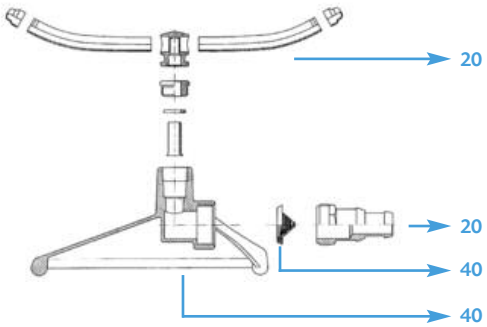
MODELS:

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.

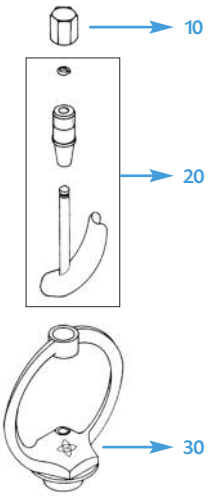
MODELS:

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.

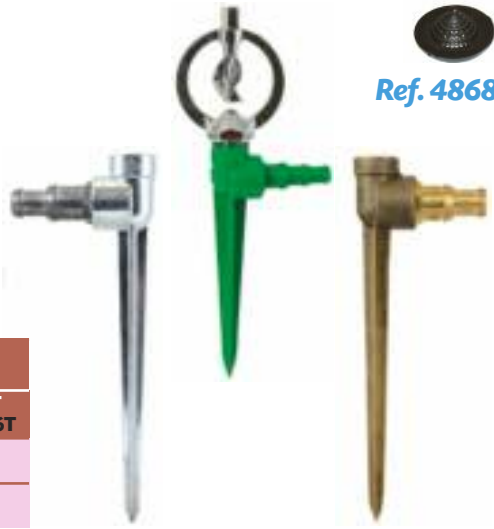
VYR-59 Mercedes

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 15	900 238	7 23	65 2,50	56 2,20	29 1,15	25 1,00	16 0,65
	2 29	1200 317	7 23	86 3,40	75 2,95	38 1,50	33 1,30	22 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:

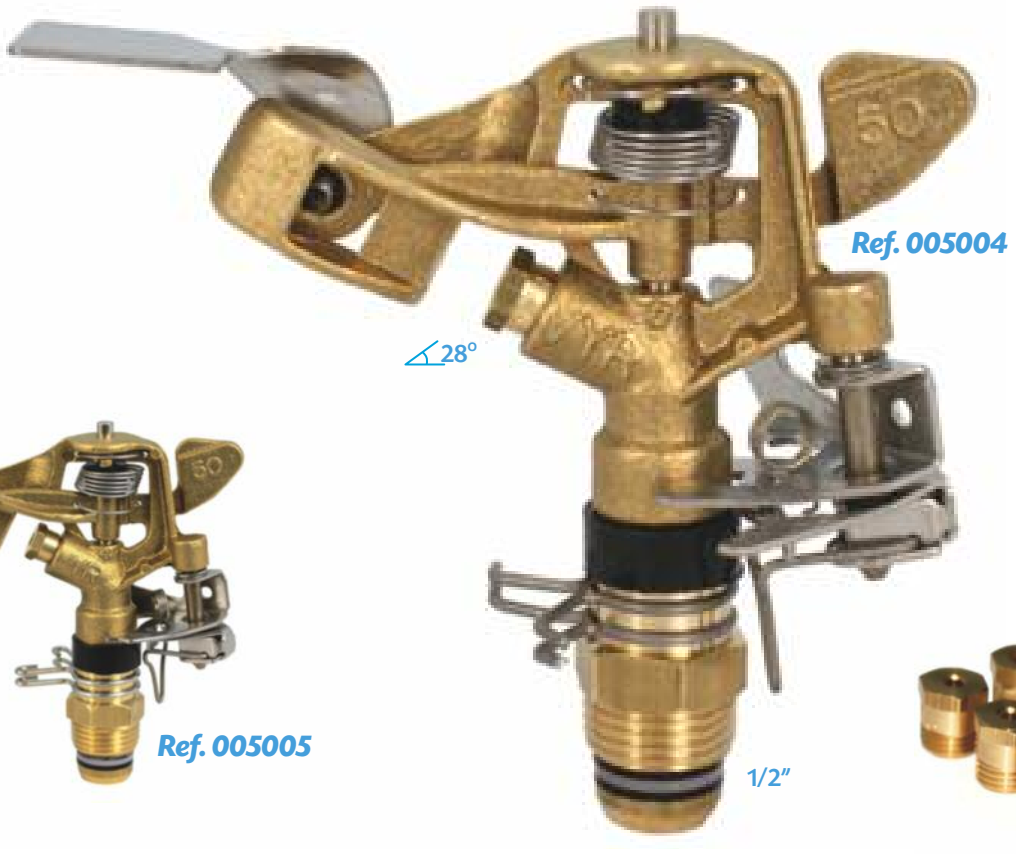
- Assembled as a "complete support kit" on a brass, aluminium or plastic spike.
- Assembled as a "complete support kit" on an aluminium base.
- Assembled as a "complete support kit" on a 1.3 or 0.7 m galvanized stake with microtube and connectors.

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:

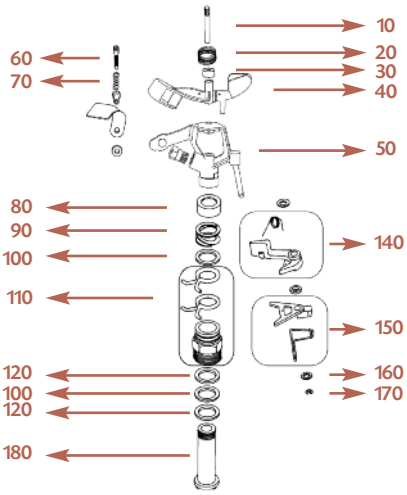
Ref. 005001: Circular sprinkler. Deflector.
Ref. 005002: Circular sprinkler. Pop-up. Special design for fitting to the VYR-961 casing.
Ref. 005004: Full/part circle. Deflector.
Ref. 005005: Full/part circle. Pop-up. Especially for fitting to the VYR-961 casing.

TABLES & PARTS

Technical guidance table VYR-50

BOQUILLA NOZZLE	BAR PSI	Espaciamiento (m) / Precipitación (mm/h) Spacing (ft) / Precipit. rate (in/h) 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
	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 mm 5/32"	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
	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
	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

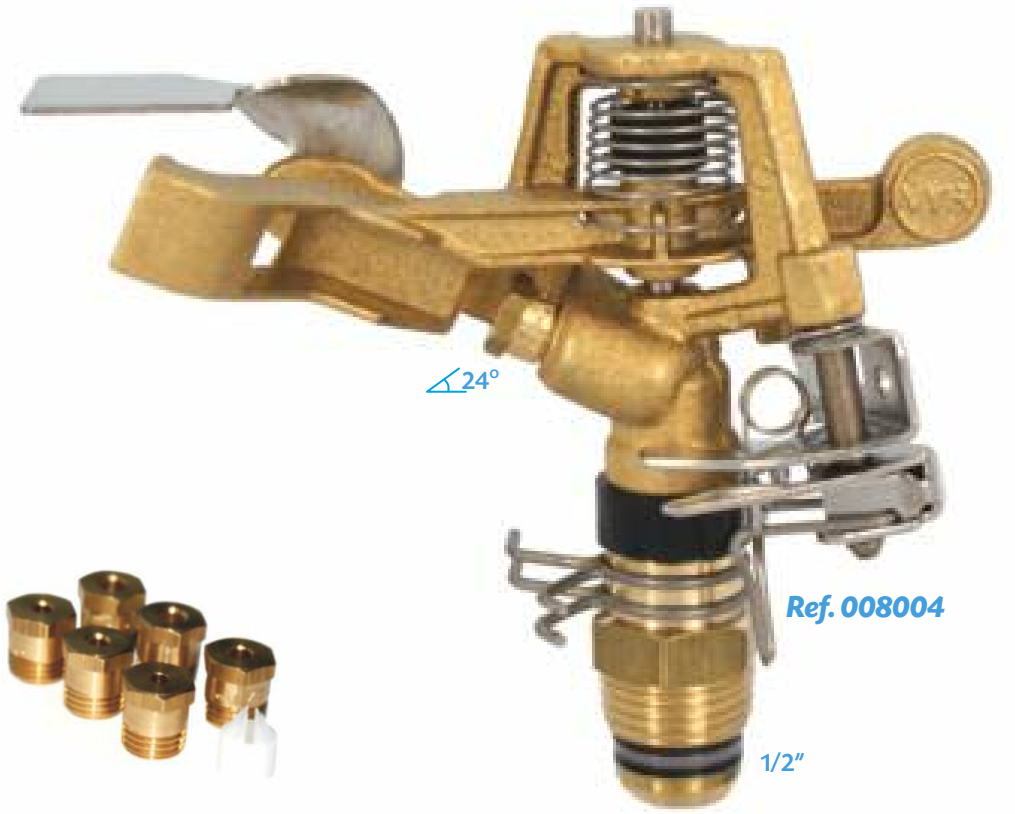
BOQUILLA NOZZLE	2,4 mm 3/32"		2,8 mm 7/64"		3 mm 1/8"		3,2 mm 17/128"		3,5 mm 9/64"		4 mm 5/32"		4,4 mm 11/64"	
BAR PSI	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft
1	240	18	310	19	360	19	400	20	480	20	620	21	760	22
15	63	59	82	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 has been obtained at indoor laboratory with 0 m/seg win 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:

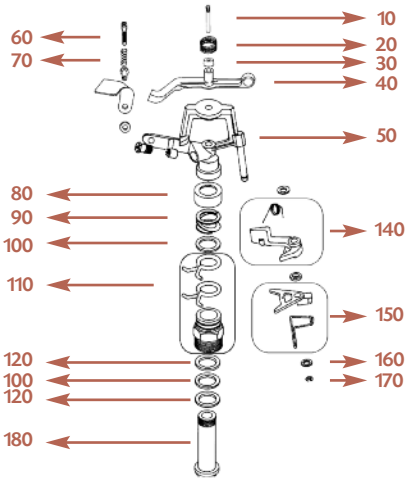
Ref. 008001: Full circle. Deflector.
Ref. 008002: Full circle. Special design for fitting to the VYR-961 pop-up sprinkler.
Ref. 008004: Full/part circle. Deflector.
Ref. 008005: Full/part circle. Pop-up. Especially for fitting to the VYR-961 casing.

TABLES & PARTS

Technical guidance table VYR-80 AG

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

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



Performance nozzle tables VYR-80

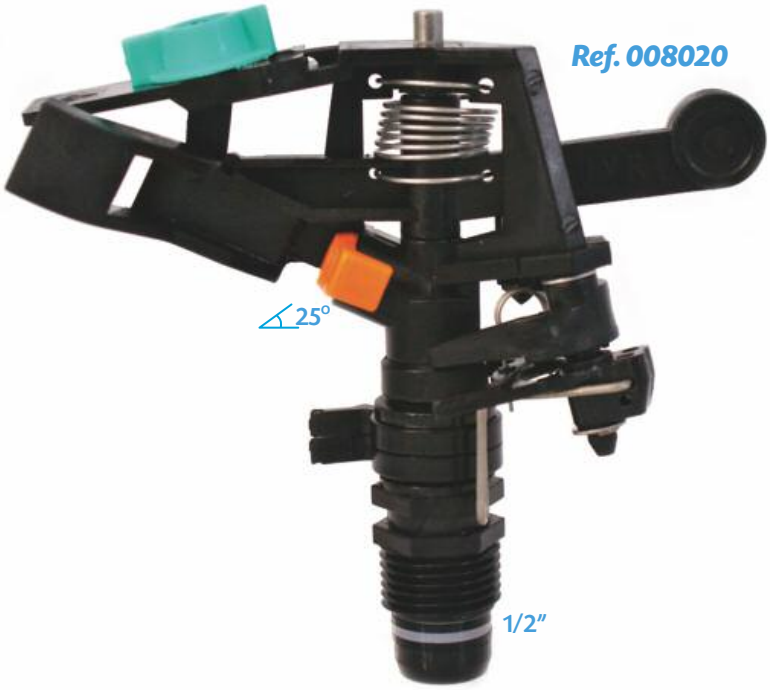
BOQUILLA NOZZLE	3 mm 1/8"		3,5 mm 9/64"		4 mm 5/32"	
BAR PSI	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft
1,5 22	450 119	20 66	580 153	21 69	730 193	22 72
2 29	510 135	21 69	660 174	22 72	850 224	23 75
2,5 36	550 145	22 72	740 195	23 75	950 251	24 79
3 44	630 166	23 75	810 214	23 75	1030 272	24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

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.

VYR-802 AG



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:

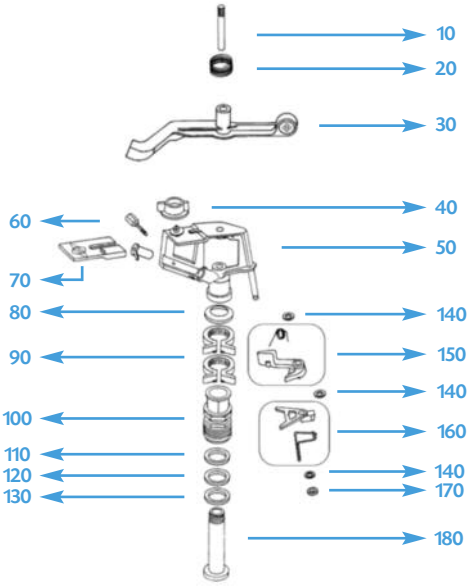
Ref. 008020: Plastic arm.
Ref. 008021: Brass arm.
Ref. 008023: Circular with plastic arm.

TABLES & PARTS

Technical guidance table VYR-802

BOQUILLA NOZZLE	BAR PSI	9x9 30x30	9x9 T 30x30 T	9x10 T 33x33 T	10x10 T 33x33 T	10x12 33x39	12x12 39x39
		Espaciamiento (m) / Precipitación (mm/h) Spacing (ft) / Precipit. rate (in/h)					
3 mm 1/8"	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
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 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

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



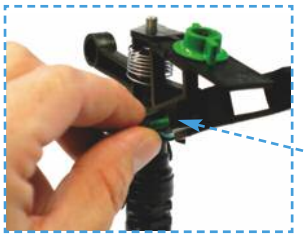
Performance nozzle tables VYR 802

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
1,5 22	450 119	20 66	580 153	21 69	730 193	22 72
2 29	510 135	21 69	660 174	22 72	850 225	23 75
2,5 36	550 145	22 72	740 195	23 75	950 251	24 79
3 44	630 166	23 75	810 214	23 75	1030 272	24 79
3,5 51	680 180	23 75	870 230	24 79	1110 293	25 82
4 58	720 190	24 79	930 246	25 82	1180 312	26 85

Solamente para aspersores circulares. Only for full circle series.

Standard Ø: 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 has been obtained at indoor laboratory with 0 m/seg win velocity. Outdoor results may change range distances.



VYR-803 Colibrí

Ref. 008030

Compact
Ref. 008031

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:

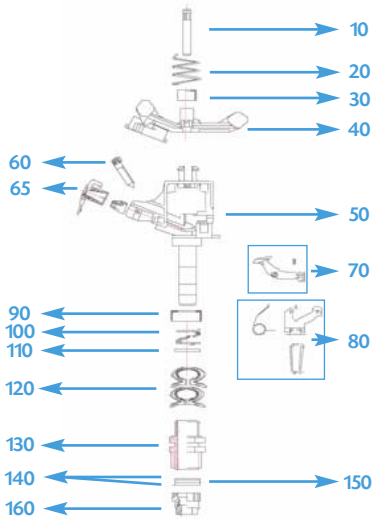
Ref. 008030: Standard.
Ref. 008031: Compact.

TABLES & PARTS

Technical guidance table VYR-803

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

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



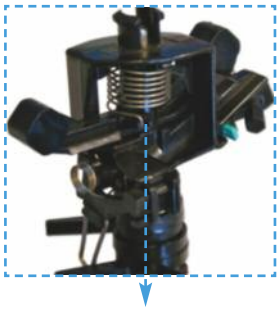
Performance nozzle tables VYR-803

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 29	360 95	17 56	540 143	21 69	684 181	23 75
2,5 36	468 124	23 75	612 162	24 79	756 200	25 82
3 44	504 133	23 75	684 181	24 79	828 219	25 82
3,5 51	540 143	24 79	720 190	25 82	900 238	26 85
4 58	576 152	24 79	792 209	25 82	936 247	26 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

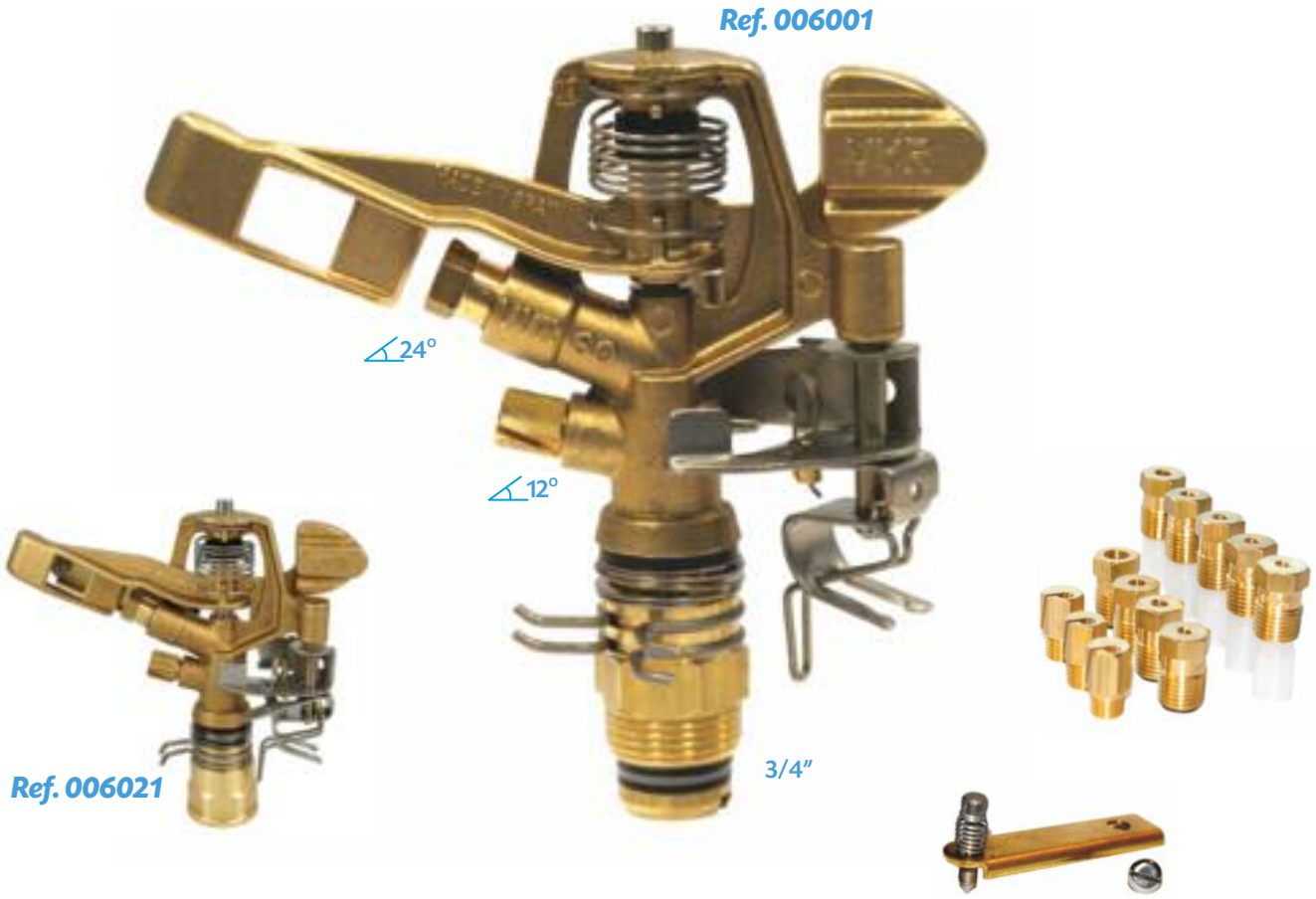


3 positions for the spring tension-speed selection

Antiback-splash arm

Diffuser pin

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:

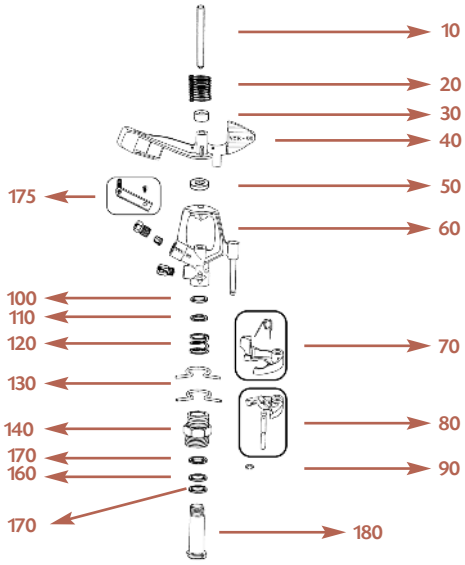
- Plate with diffuser pin for the main jet.
- Foldable tripod for mobile installation.

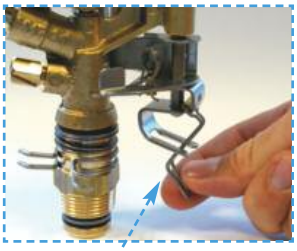
MODELS:

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.

TABLES & PARTS





Sencillo desbloqueo del sector de riego

Performance nozzle tables VYR-60

Boq. radio largo (vaina larga) + tapón

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	620	26	790	26,5	970	27,5	1160	30	1390	32	1640	32,5	1720	34
36	164	85	209	87	256	90	306	98	367	105	433	107	454	112
3	680	26	860	26,5	1050	28	1270	30,5	1510	32	1790	33,5	1880	35
44	180	85	227	87	277	92	335	100	399	105	473	110	496	115
3,5	740	26,5	930	27	1140	29,5	1380	31,5	1640	33	1930	34,5	2140	36
51	195	87	246	89	301	97	364	103	433	108	510	113	565	118
4	790	26,5	1000	28	1220	29,5	1470	32,5	1750	34	2060	35,5	2240	37
58	209	87	264	92	322	97	388	107	462	112	544	116	591	121
4,5	840	27	1060	29	1290	30	1550	33,5	1860	35	2180	36	2410	38,5
65	222	89	280	95	341	98	409	110	491	115	576	118	636	126
5	880	27,5	1120	29,5	1360	30,5	1640	34	1960	36	2290	37,5	2520	39,5
73	232	90	296	97	359	100	433	112	517	118	605	123	665	130
5,5	930	28	1170	30	1430	31	1720	35	2060	36,5	2380	38	2640	40
80	246	92	309	98	378	102	454	115	544	120	628	125	697	131

(Sprinkler at 1m height)

Boq. radio largo (vaina larga) + boq. radio corto

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	980	26	1150	26,5	1320	27,5	1520	30	1730	30	1895	32	2050	32	2310	32,5	2460	34
36	259	85	304	87	349	90	402	98	457	98	501	105	542	105	610	107	650	112
3	1070	26	1250	26,5	1450	28	1670	30,5	1800	30,5	2100	32	2240	32	2520	33,5	2730	35
44	283	85	330	87	383	92	441	100	476	100	555	105	592	105	666	110	721	115
3,5	1160	26,5	1350	27	1560	29,5	1800	31,5	1915	31,5	2255	33	2420	33	2720	34,5	2915	36
51	306	87	357	89	412	97	476	103	506	103	596	108	639	108	719	113	770	115
4	1240	26,5	1450	28	1670	29,5	1920	32,5	2070	32,5	2400	34	2590	34	2910	35,5	3035	37
58	328	87	383	92	441	97	507	107	547	107	634	112	684	112	769	116	802	121
4,5	1320	27	1540	29	1770	30	2030	33,5	2165	33,5	2545	35	2750	35	3070	36	3170	38,5
65	349	89	407	95	468	98	536	110	572	110	672	115	726	115	811	118	837	126
5	1360	27,5	1620	29,5	1870	30,5	2140	34	2300	34	2680	36	2880	36	3230	37,5	3300	39,5
73	359	90	428	97	494	100	565	112	608	112	708	118	761	118	853	123	872	130
5,5	1460	28	1700	30	1960	31	2240	35	2400	35	2810	36,5	3010	36,5	3360	38	3430	40
80	386	92	449	98	518	102	592	115	634	115	742	120	795	120	888	125	906	131

Standard Ø: 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:

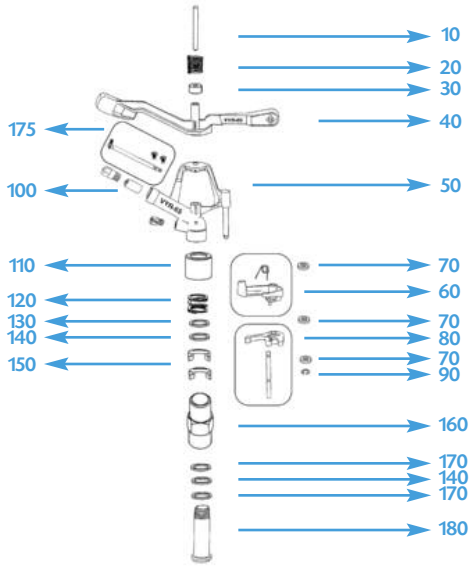
- Threads in BSP or NPT under demand.
- Rod with jet breaker diffuser pin for the main nozzle.
- Foldable tripod for mobile installation.
- This is one of the models which can be used in conjunction with our travelling sprinkler cart VYR-5300.

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 51	2370 626	42 138	3070 810	43 141	3730 985	44 144	4490 1185	46 151	5335 1408	46 151	6170 1629	46 151
4 58	2550 673	44 144	3300 871	44 144	4030 1064	46 151	4850 1280	48 157	5730 1513	49 161	6650 1756	49 161
4,5 65	2700 713	46 151	3515 928	46 151	4250 1122	48 157	5150 1360	50 164	6150 1624	51 167	7020 1853	52 171
5 73	2880 760	47 154	3690 974	48 157	4550 1201	49 161	5450 1439	52 171	6510 1719	54 177	7470 1972	55 180
5,5 80	3000 792	48 157	3900 1030	50 164	4765 1258	50 164	5700 1505	54 177	6810 1798	55 180	7835 2068	57 187

Easy part-circle adjustment

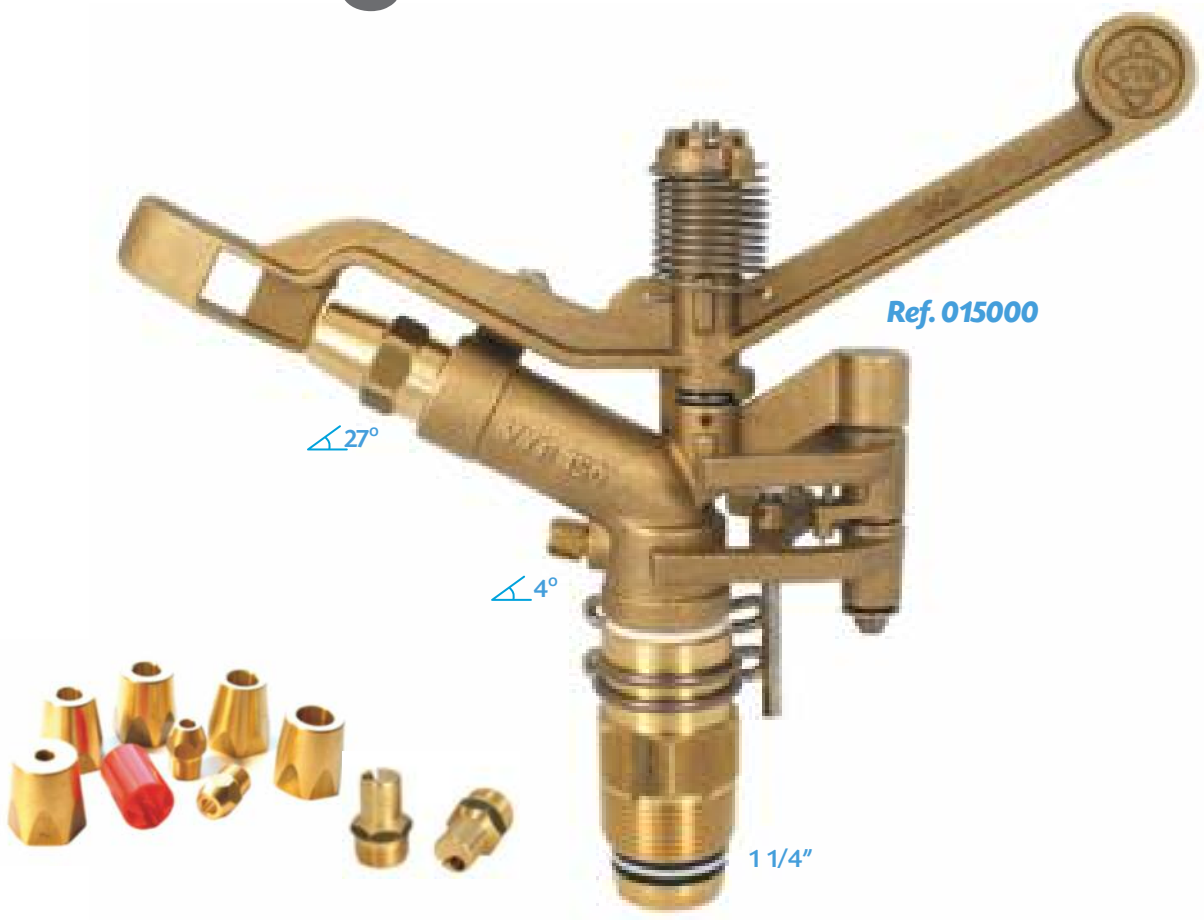
Long range nozzles (long vane) + short range nozzle

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 5/18 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 51	2500 660	40 131	3050 805	42 138	3720 982	44 144	4430 1170	46 151	6010 1587	48 157	6755 1783	50 164
4 58	2735 722	41 135	3265 862	44 144	4045 1068	46 151	4740 1251	48 157	6400 1690	51 167	7290 1925	54 177
4,5 65	2870 758	42 138	3470 916	46 151	4260 1125	48 157	5045 1332	50 164	6840 1806	54 177	7800 2059	57 187
5 73	3030 800	43 141	3660 966	47 154	4500 1188	49 161	5380 1420	51 167	7260 1917	56 184	8250 2178	60 197
5,5 80	3175 838	44 144	3845 1015	48 157	4740 1251	50 164	5575 1472	52 171	7650 2020	57 187	8640 2281	62 203

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:

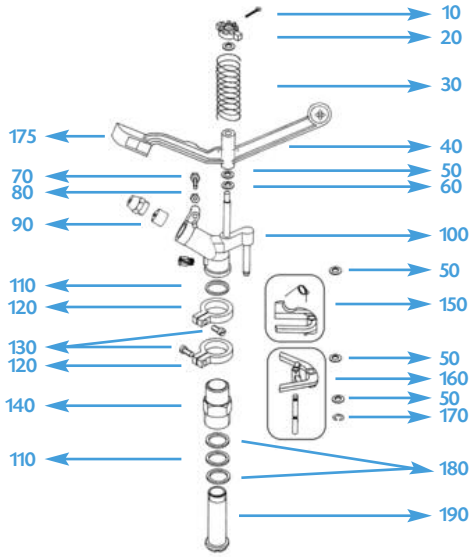
- Trípode plegable para instalación móvil.

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 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	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

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

Drip

- VYR-8030 SOIL TECH-Drip.....Pg. 64
- VYR-9500 PRO LINE-Drip..... Pg. 66

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 maintainng 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, of100 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

2,2 L-ND

Ref. 707000

3 L-HND

Ref. 707001

4 L-ND

Ref. 707002

7,8 L-ND

Ref. 707003

ADJUSTABLE

Ref. 707111

2,2 L-PC

Ref. 707004

4 L-PC

Ref. 707005

8 L-PC

Ref. 707006

12 L-PC

Ref. 707007

25 L-PC

Ref. 707008

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

Ref. 707510

Ref. 707520

Drippers, pipes and tools

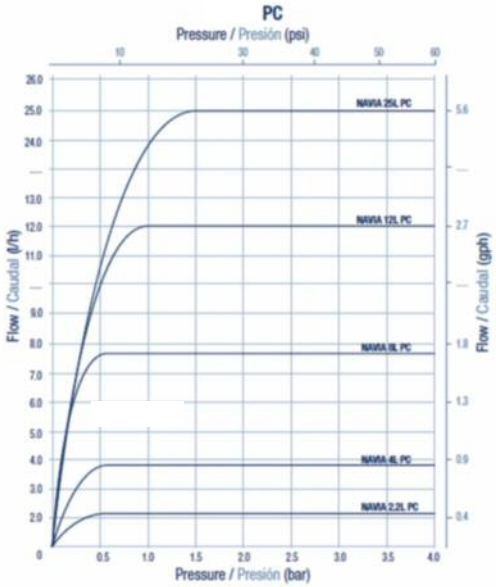
Dripper model		PC					ND / HND			
		2.2L	4L	8L	12L	25L	2.2L	3L*	4L	7.8L
Nominal flow Caudal nominal	l/h gph	2.2 0.5	3.8 0.8	7.8 1.7	12 2.7	25 5.6	2.2 0.5	3.1 0.7	3.8 0.8	7.8 1.7
Pressure-compensation interval Intervalo de presión autocompensación	bar psi	0.6 - 3.5 9.0 - 51			0.8 - 3.5 12 - 51	1.25 - 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

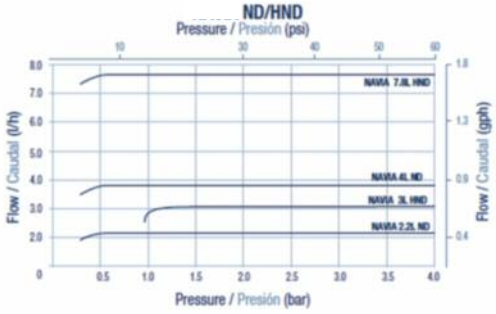
Disc filtration recommended ≤ 130 micron / Se recomienda filtración por discos ≤ 130 micron
*HND (high pressure no-drain) / HND (antidrenante alta presión)

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	Inlet pressure Presión entrada (bar)	Dripline length / Longitud de ramal (m)*									
		Spacing between emitters / Separación de emisores (m)**									
		Ø16					Ø20				
		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	2.0	-	32	43	53	63	-	52	70	85	99
	3.0	-	38	52	64	75	-	64	85	103	120
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 recomend to pay attention to volume and how to organize it to minimize the transportation cost. Our experts will help you to fit everything in!

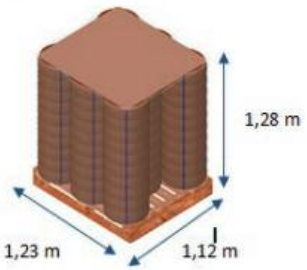
IMPORTANT NOTE: Drip Systems and Micro-Irrigation System are sold by VYR S.A. only by full pallets for pipelines and by full boxes for parts.

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

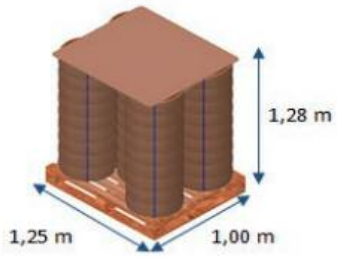
Inlet pressure 1 bar/1.45 psi

	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	CP6 (1.21 x 1.10 x 1.28)	(3.97 x 3.61 x 4.20)	80
	50	164	480 x 116	18.90 x 4.57	CP6 (1.30 x 1.00 x 1.20)	(4.27 x 3.28 x 3.94)	45
	100	328	530 x 165	20.87 x 6.50	1.10 x 1.10 (1.10 x 1.10 x 1.25)	(3.61 x 3.61 x 4.10)	28
Dripline with integrated dripper	25	82	410 x 115	16.14 x 4.53	CP6 (1.23 x 1.12 x 1.28)	(4.04 x 3.67 x 4.20)	80
	50	164	490 x 130	19.29 x 5.12	CP6 (1.25 x 1.00 x 1.28)	(4.10 x 3.28 x 4.20)	45
	100	328	520 x 180	20.47 x 7.09	1.10 x 1.10 (1.10 x 1.10 x 1.23)	(3.61 x 3.61 x 4.04)	24

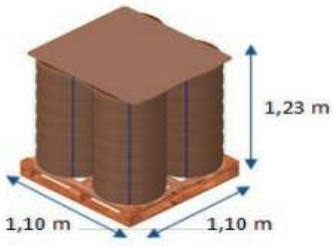
Ask for other models.



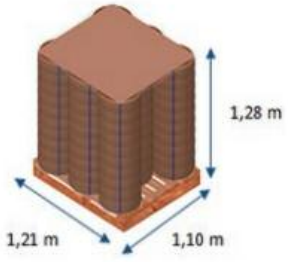
Dripline with integrated dripper 25 m



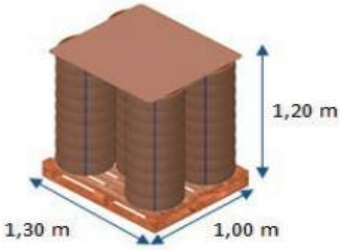
Dripline with integrated dripper 50 m



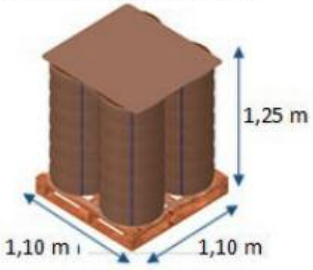
Dripline with integrated dripper 100 m



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-Twister.....Pg. 70
- Micro-Irrigation Accessories..... Pg. 72

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: 360º
- 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 8º to +25º
- 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).

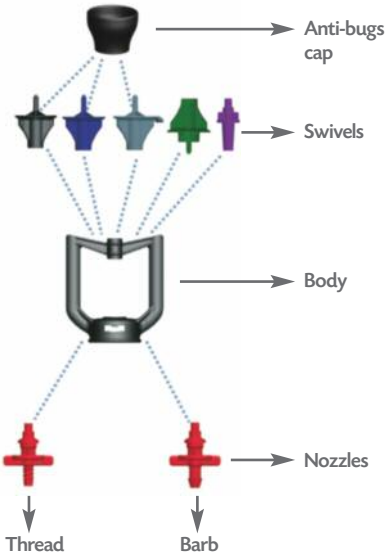
Número máximo de microaspersores en lateral
Maximum number of micro-sprinklers

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

Ecualización característica
Discharge equation
$q = k \cdot h^x$

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	$q = 31.50 \cdot h^{0.55}$



Double barb connector

Barb and thread connector

Double thread connector

Up-side-down weight

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

Boquilla / Nozzle				Diámetro mojado / Wetted diameter (m)					
				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 0.60 (m) 1.50		Nebulizador / Mist sprayer
Gris / Grey 30L	0.80	1.5	27	6.5	3.5	0.90	5.5	6.5	1.0
		2.0	31	6.5	3.5	1.00	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	
		2.0	97	9.5	4.5	1.80	6.5	8.5	
Amarillo / Yellow 120L	1.65	1.5	109	8.5	5.0	1.80	6.5	8.5	
		2.0	127	9.5	5.5	1.80	8.0	9.0	
Violeta / Violet 160L	1.90	1.5	140	8.5	5.0		7.0	8.5	
		2.0	164	9.0	6.0		8.0	9.0	

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

Ref. 707240

Ref. 707241

Ref. 707242

Ref. 707231

Ref. 707232

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 BT ..... Pg. 76
- PG-6050-6051 TAP-PRO ..... Pg. 78
- PG6060 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. 93
- CONNECTIONS ..... Pg. 94
- SENSORS ..... Pg. 96
- RECHARGING SYSTEMS ..... Pg. 99
- METEO STATIONS ..... Pg. 100

PG-6053 BT Blue-Tooth

Screen filter included

Ref. 605301

Consíguelo en el App Store

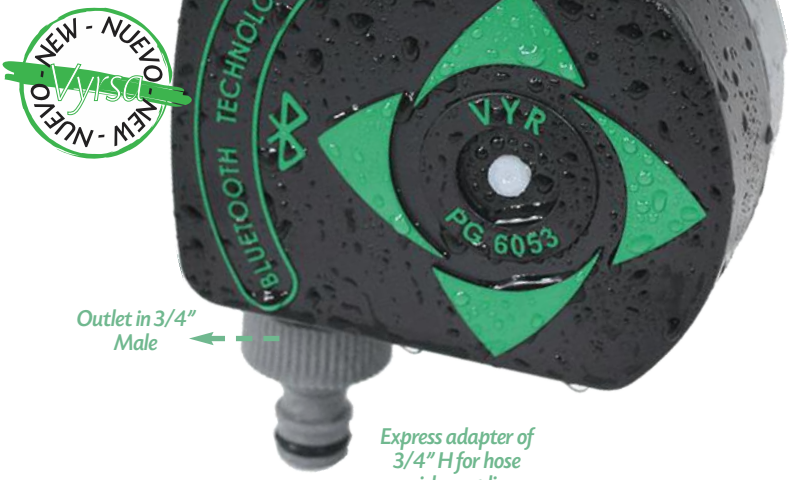
DISPONIBLE EN Google Play

1" H y 3/4" H

Battery compartment IP66

3/4" M

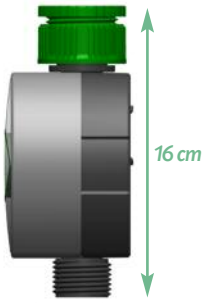
Double socket swivel connection in 3/4" and 1" Female with sealing gasketS



Outlet in 3/4" Male

Express adapter of 3/4" H for hose quick-coupling

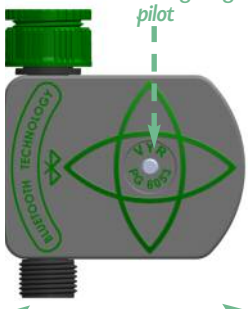
Compact design for installation in taps



16 cm

9 cm / 3,5 in

Manual opening button and lighting pilot



11 cm / 4,3 in

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 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 racord for express hose connection.
- **Complies with standard UNE-15099 / ISO-21622**

TECHNICAL SPECIFICATIONS:

- Waterproof: IP-68 (totally watertight and submersible).
- Voltage: 2 1.5V AA alkaline batteries (not included).
- Output: 30 mA.
- 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: 11 cm / 4,3 in.
- Width: 9 cm / 3,5 in. of ø
- Weight: 320 g / 0,7 Lbs.
- Units per box: 1

OPTIONS:

- Kit with tap PPR of 3/4".
- In-Line Pressure regulator 3/4" M-F.
- Adapter for pipe of 13 mm and 16 mm.

MODELS:

Ref. 605301: VYR-6053 BT.

Ref. 121925

Ref. 605301

PG-6053 BT
Blue-Tooth APP Controller

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.
- **Complies with standard UNE-15099 / ISO-21622.**

OPTIONS:

- DRIP Kit for 25 m / 82 ft
- Micro-Sprinkler kit for 25 m / 82 ft

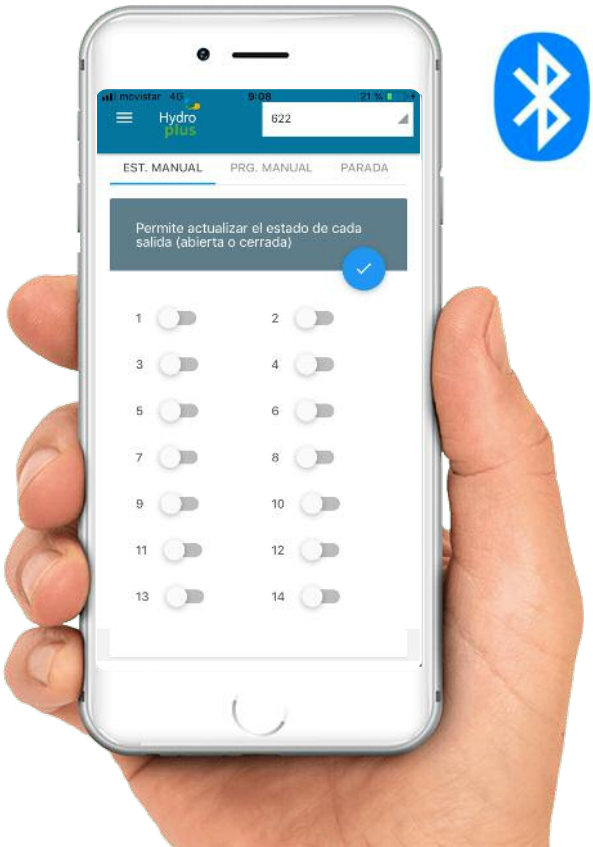
MODELS:

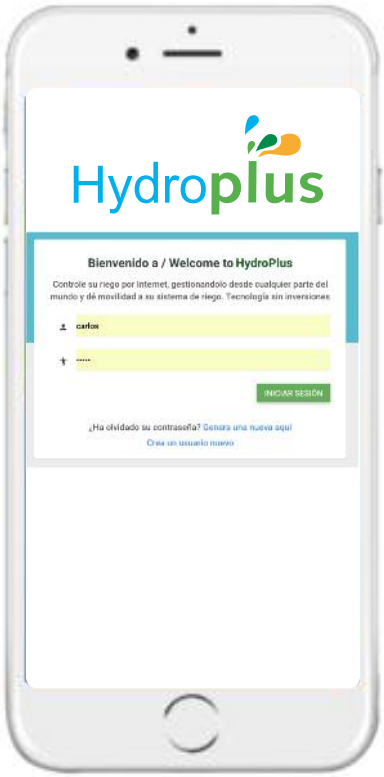
Ref. 605311: HydroPLUS BT (free APP).

GET IT ON Google Play

Download on the App Store

Hydroplus





PG-6050
Tap-Pro

With motor valve that opens from 0 BAR !!!

Ref. 605010

3/4" F

1" M

3/4" M

¡Totalmente estanco!
IP-65

Express

PG-6050 & PG-6051 · Battery Operated Controllers

GENERAL PROPERTIES VYR-6050:

- Number of stations: 1 station.
- Number of programs: a sequential program.
- Frecuency: From 1 Hr up to 7 days.
- Cycle time: up to 599 min.
- Programming times: from 1 min. up to 10 hours.
- Manual opening and closing of the programmer.
- Delay for set up of start time.
- Easy installation, programming and use thanks to its versatile design and hybrid system control.
- Rotating mechanical controls.
- LED battery status.

GENERAL PROPERTIES VYR-6050:

- Number of stations: 1 station.
- Number of programs: 8 digital program. (only PG-6051)
- Number of starts: 15 starts per program. (only PG-6051)
- Cycle time: up to 120 min.
- Programming times: from 1 min. up to 2 hours.

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. 605110: VYR-6051, 3/4". DIGITAL DISPLAY.
Ref. 605010: VYR-6050, 3/4". MECHANICAL.

PG-6060 Anfibio

Download on the App Store

GET IT ON Google Play

iBattery Block Included!

Ref. 606001

NEW - NUEVO - NEW - NUEVO

Water proof! IP-68

ESPAÑOL ENGLISH FRANÇAIS

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

GENERAL PROPERTIES:

- Number of stations: 1, 4 and 6 stations + N / O sensor.
- 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).
- Output: 30 mA.
- 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 use in residential or urban gardens, and isolated agricultural areas.

MEASUREMENTS :

- Height: 10 cm / 3,9 in
- Width: 12 cm / 4,7 in of ø
- Weight: 300 g / 0,66 Lbs
- Units per box: 1

OPTIONS:

- 1-station model kit + 1 " high-flow solenoid valve.
- Kits for agricultural use with 3-way latch solenoids with hydraulic valves (on request).

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. 606110: VYR-6060 1 est. - NO SOLENOID - + **COM BT/LORA**
Ref. 606101: VYR-6060 + 1 solen. latch 2 way + **COM BT/LORA**
Ref. 606111: VYR-6060 + 1 solen. latch 3 way 1.6 mm + **COM BT/LORA**
Ref. 606102: VYR-6060 2 est. (-MV) + **COM BT/LORA**
Ref. 606104: VYR-6060 4 est. (-MV) + **COM BT/LORA**
Ref. 606106: VYR-6060 6 est. (-MV) + **COM BT/LORA**

PG-6010 Master-Latch

PRO-2.1 & 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).
- Volatile memory that saves existing programs so they are not lost in the event of a blackout.
- **Complies with standard UNE-15099 / ISO-21622**

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 / 8,7 in
- Width: 16 cm / 6,3 in
- Weight: 460 g / 1 Lbs
- Depth: 5 cm / 2 in

OPTIONS:

- Outdoor box.
- Solar kit 12 Vdc.

New Programs for:
-FERTIRRIGATION
-BACK-FLASH FILTER WASH
- ON-DEMAND IRRIGATION

MODELS:

Ref. 601055: 5 Stations. LATCH + COMMUNIC. 2.1
Ref. 601058: 8 Stations. LATCH + COMMUNIC. 2.1
Ref. 601064: 14 Stations. LATCH + COMMUNIC. 2..1

Ref. 601075: 5 stations FERTI. and WASH + COM. 3.0
Ref. 601078: 8 stations FERTI. and WASH + COM. 3.0
Ref. 601079: 14 stations FERTI. and WASH + COM. 3.0

Ref. 650102: Outdoor box Hydro-PLUS **(optional).**
Ref. 602502: TRI card tele-manag. **RADIO 868 (optional).**
Ref. 602609: BRICK BRAIN intelig. card + **LoRa (optional).**
Ref. 602608: BRICK com-card **GPRS (optional).**
Ref. 602601: BRICK com-card **WiFi (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**".

- **Complies with standard UNE-15099 / ISO-21622**

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.

Up to 25 Km / 16 Miles

GENERAL PROPERTIES:

- Communication cards GPRS / WIFI / RADIO for remote communication with programmers PG-6010, PG-6060 (2.1) and PG-6015.
- Application Hydro-Pad® free downloadable application for mobile devices and Hydro-Pluss® 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:

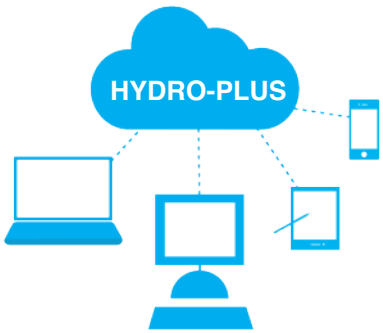
Ref. 602501: CAP "Communication Access Point" GSM + RADIO (CAP)
Ref. 602511: CAP GSM + RADIO with SENSOR imputs (CAP+S).
Ref. 602505: ACCESS POINT WIFI + ETHERNET.

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 antena.
Ref. 602581: Long distance aluminum antena.
Ref. 602582: Long distance plastic bumpper antena.
Ref. 602583: Super-long distance omnidirectional plate antena.

VYR Controllers

Designed for agricultural control and tele-management.



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...

We mean it!

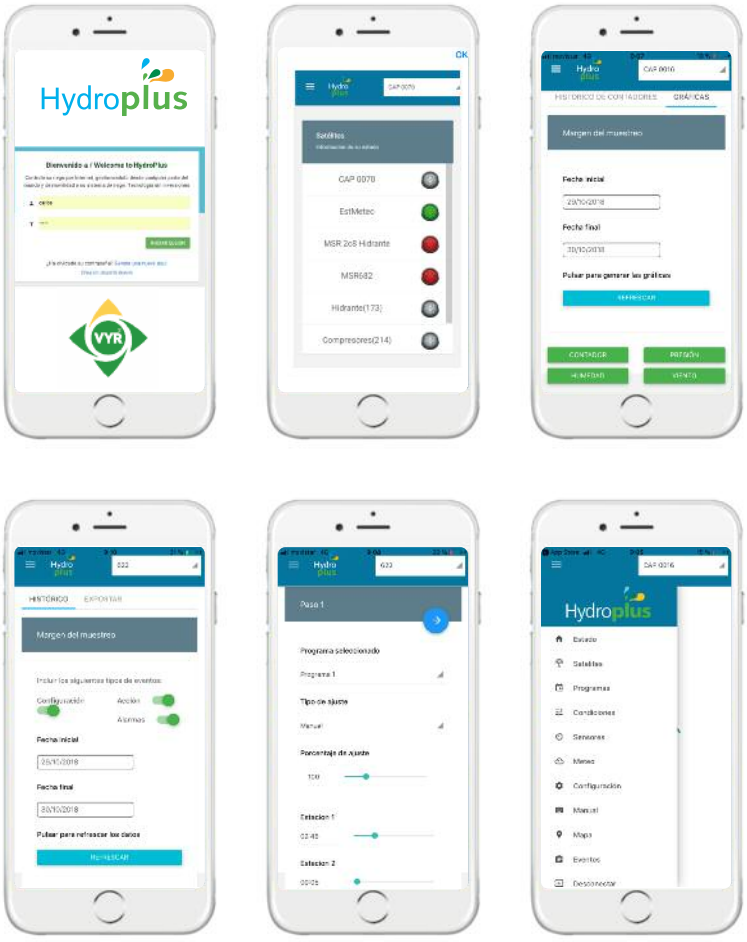
- **Complies with standard UNE-15099 / ISO-21622**

GET IT ON Google Play Download on the App Store

Hydroplus

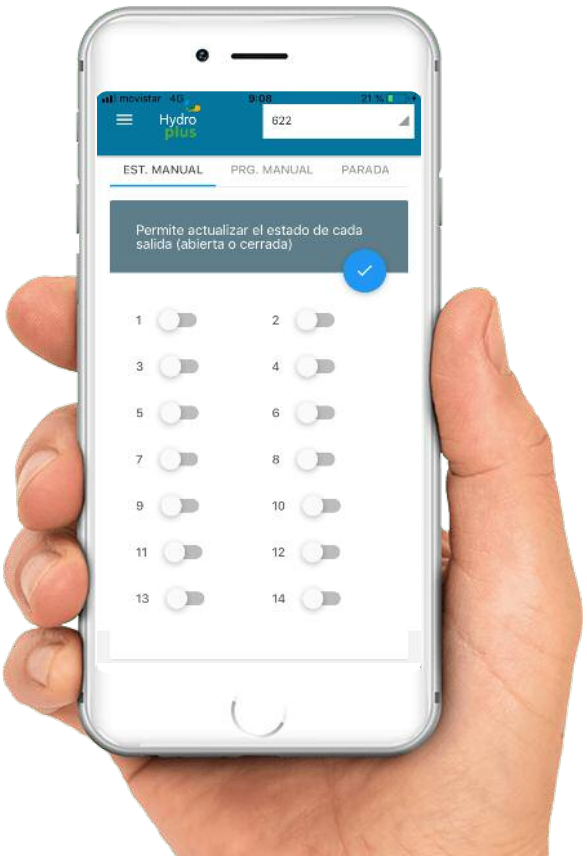
RELATED PRODUCTS:

Ref. 601074: 14 Stations + TRI (RADIO).
Ref. 601084: 14 Stations + BOX.
Ref. 601094: 4 Stations + TRI + BOX.
Ref. 601054: 14 Stations +TRI + CAP (GSM+RADIO) + BOX



GSM & RADIO

Low comsumption



HYDRO-PLUS

WEB-APP for professional management

Hydro-Plus & Hydro-Pad are our software applications for control of irrigation VYR equipment PG-access communications, designed for PCs, phones and tablets PDA with Internet access. These applications are 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 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.

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.

HYDRO-PAD (APP):

The **APP** application to Hydro-Pad mobile devices is based on the web application www.hydro-plus.es and includes an intelligent software with common remote management tools. Thanks to its use will increase savings and good management of risks. Also this version is ready to bind with mobile devices via Bluetooth.

Download on the App Store

GET IT ON Google Play

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:

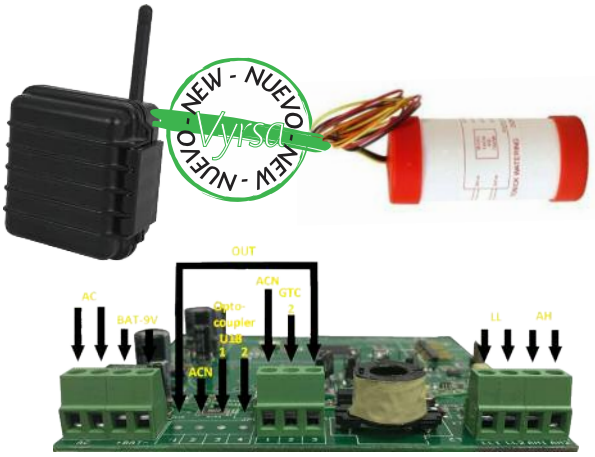
- Intrusion relay.
- Pressure / flow (delay irrigation valve from where it left off).
- Failure of communication.
- Level.

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

PLAN	REF #	CONECT.	USERS	TELE-CONTROL	METEO-SMART	AGRON.	PEST CONTROL	PRICE €
USER	602501	YES	1 acc. / 2 users	YES	NO	NO	NO	32 € / year
SMART	602504	YES	4 acc. / 12 users	YES	YES	NO	NO	50 € / year
PLUS	602520	YES	20 acc. / 120 users	YES	YES	YES	NO	85 € / year
PRO	602560	YES	60 acc. / 300 users	YES	YES	YES	NO	115 € / year
MASTER	602561	YES	60 acc. / 300 users	YES	YES	YES	YES	180 € / year

PRO PLAN	REF #	USERS	PRICE €
LOCAL	602020	1 -20 users	40 € / año
RESIDENTIAL	602050	1 -50 users	80 € / año
COMMUNITY	602100	1 -100 users	140 € / año
GLOBAL	602101	>100 users	180 € / año

PG-6015 DEC
Wire + Radio Decoder



MASTER-DEC PG-6015 · Wire + Radio Decoder Controller up to 255 stations

GENERAL PROPERTIES:

- 24Vac Controller for **2-WIRE and 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**.
- Up to **16 sensor inputs**: 2 of ON/OFF / 4 of 4-20 mA / 6 of digital CC / 3 of digital 1-255 Hz / 1 of SDI-12.
- Outdoor box with press releases-tow and safety lock.
- Outlets for outdoor antenna and sensor inputs.
- Program "D-F" 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, 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).
- 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. Connection to external 9Vdc betría 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

OPTIONS:

- 24 Vac solar kit.

MODELS:

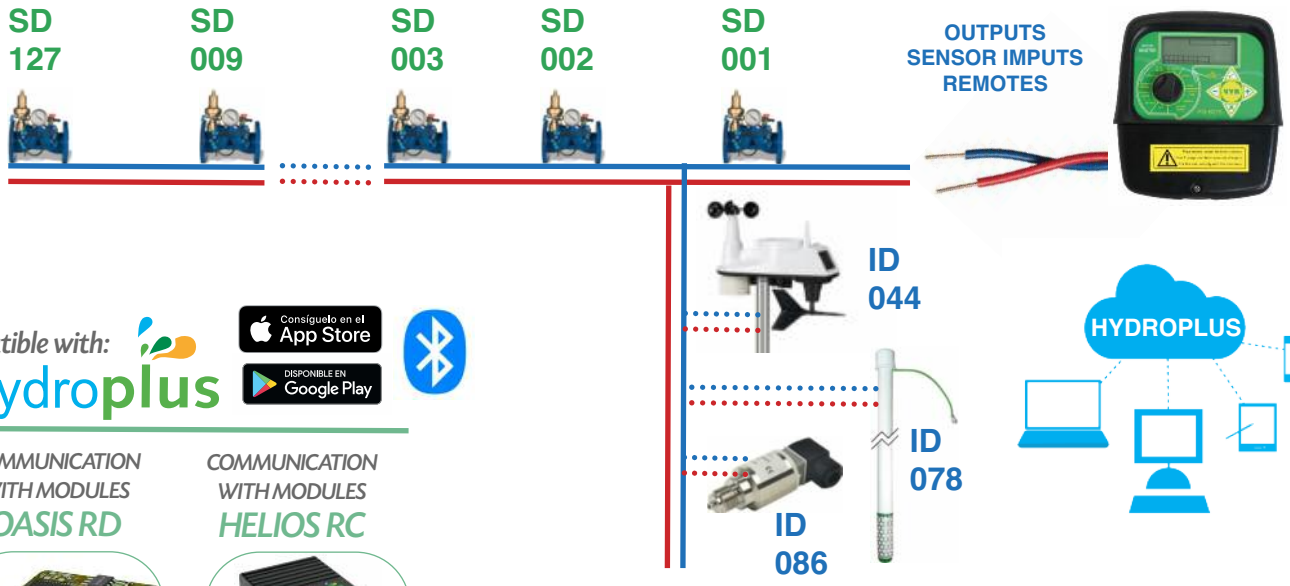
Ref. 601595: PG-6015 DECODER INDOOR
Ref. 601596: PG-6015 DECODER OUTDOOR
Ref. 601597: PG-6015 DECODER OUTDOOR+ COM.

RELATED ACCESSORIES:

Ref. 601501: Field decoder for 1 valve 24Vac.
Ref. 601502: Field decoder for 2 valves 24Vac.

Ref. 601521: 24Vac solenoid + Integrated decoder for 1 valve.

PG-6015 2WD
2 Wire Decoder for 24Vac



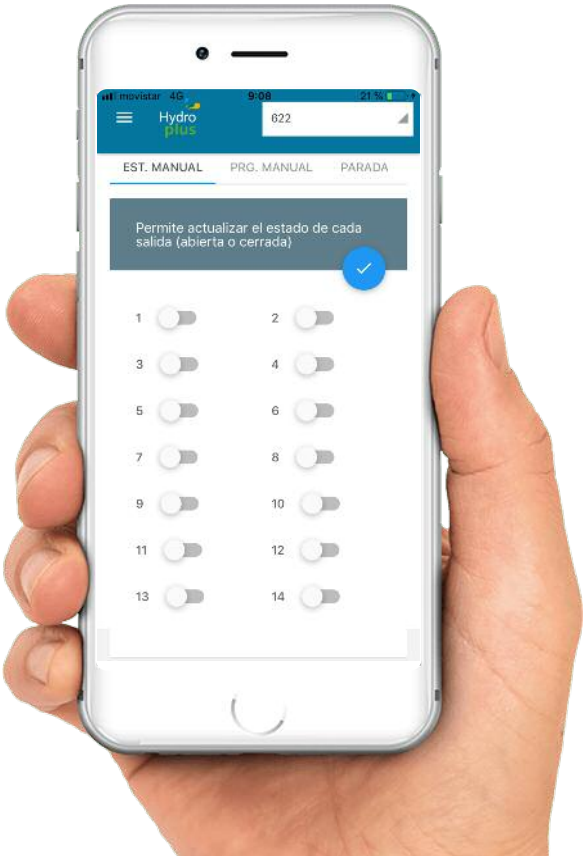
Compatible with: Hydroplus

Consíguelo en el App Store

DISPONIBLE EN Google Play

COMMUNICATION WITH MODULES
OASIS RD

COMMUNICATION WITH MODULES
HELIOS RC



GENERAL PROPERTIES:

- License for Smart Irrigation Controller of 220/24 Vac for connection to the network via WIFI or 4G or 5G 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 4 independent and overlapping programs (A, B, C, D) and up to 6 daily starts per program.
- The same programmer acts as a console to re-program the code of the decoders.
- Anti-tormetas 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:

Ref. 602591: Hydro-PLUS license for PG-6015 WD controller.

Ref. 160159: SOLENOID WITH DECODER 24Vac (integrated)

Ref. 160151: Field DECODER SD-1 STATION.
Ref. 160152: Field DECODER SD-2 STATIONS.
Ref. 160153: Field DECODER SD-4 STATIONS.

Ref. 160157: Sensor input DECODER ID-2 inputs.
Ref. 160158: Sensor input DECODER ID-4 inputs.

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 estations with MV.
Ref. 605503: Expandable Module of 3 estations.

SKYDROP ARC
WiFi 24 Vac

NEW - NUEVO - NEW - NUEVO

Download on the App Store

GET IT ON Google Play

Adpater for wall installation

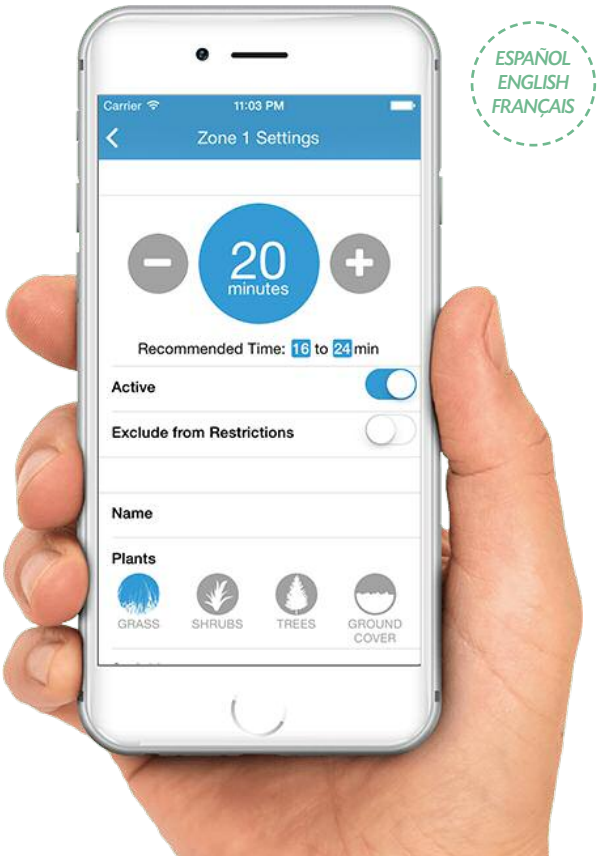
SKYDROP ARC· Tele-Control Systems and Intelligent Irrigation Networks

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

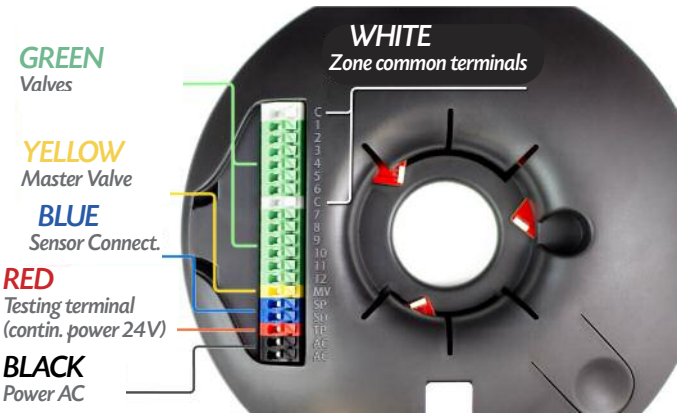
Intelligence combined with simplicity for a perfect watering!

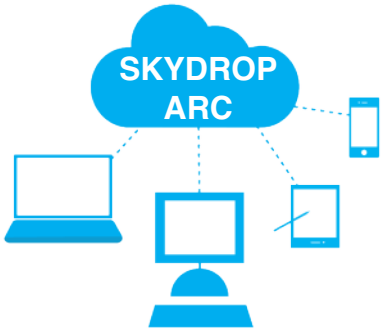
MEET THE MOST INTUITIVE, INNOVATIVE AND INTELLIGENT IRRIGATION PROGRAMMER IN THE MARKET

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 ...

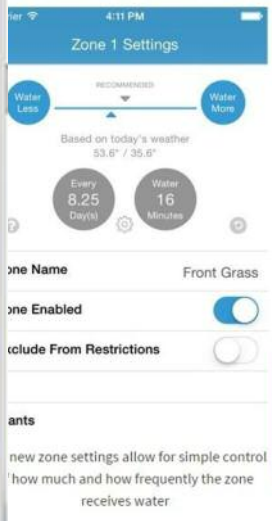
And we mean it!

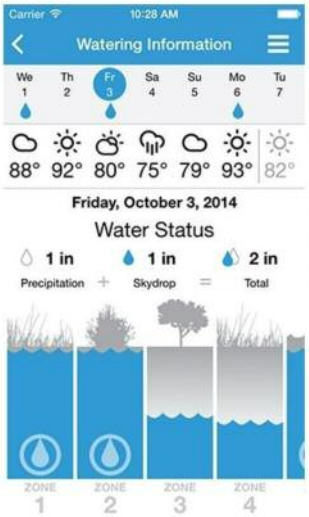




Luminous code of colors indicating the status of the programmer:

GREEN	BLUE	YELLOW	RED
Connected to WiFi	Irrigating	No WiFi connection	Short-Cut at valve





SKYDROP PLUS
Smart irrigation

ESPAÑOL
ENGLISH
FRANÇAIS

Download on the App Store

GET IT ON Google Play

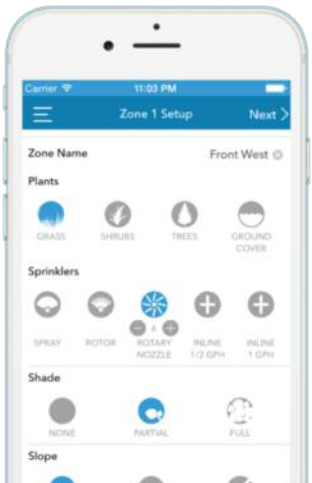
Modem WiFi USB for outdoor box

Outdoor box

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-admistrators 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

Download on the App Store

GET IT ON Google Play

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.

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

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.
Ref. 650001: Model for electrical 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. 106101: Frame of INOX for mobile controllers.

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 isotation gel of 600 ml. to filled up boxes. Isolation IP-68.

Ref. 625125: IP-68 connector female-male for 3w 0,5-1,5 mm^2, 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 mm^2, max. 30V
Ref. 625133: Connector standard for 3 wire of 1-2,5 mm^2, max. 30V
Ref. 625131: Connector standard for 3 wire of 4 mm^2, max. 30V

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: TRANFORM. EUROPE 220 V - 12 V DC - 1,5 Amp
Ref. 630112: TRANFORM. AMERICAN 110 V - 12 V DC - 1,5 Amp (FLAT PINS)
Ref. 630224: TRANFORM. EUROPE 220 V - 24 V AC - 1,5 Amp
Ref. 630124: TRANFORM. AMERICAN 110 V - 24 V AC - 1,5 Amp (FLAT PINS)
Ref. 630324: TRANFORM. EUROPE 220 V - 24 V AC - 0,3 Amp

Pump Relays & Starters

Controller Accesories

Ref. 620109

Ref. 620107

RELAY CONTACTORS & 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

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.

Ref. 603305

MODELS:
Ref. 603301: Wind-click + adjustable relay.
Ref. 603305: Wind-PRO digital.
Ref. 603355: Wind-PRO + relay reg. 12-24Vdc.

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:

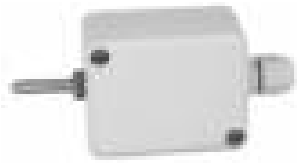
- Safe and reliable.
- Adjustable temperature switch level (0/+50).
- Very easy to connect to controllers. VYR-6000 / 6001 / 6010 / 6015.
- Bypass NO/NC. Reprogramable.
- Enabling switch.

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 Emiters

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 precission of 0,1%.
- Easy to connect to our date 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. 607097: Adjustable pole fastening base 3.5 meters.
Ref. 607090: Charging regulator.

Ref. 607052

Batteries

Controller Accesories

Ref. 607012

Ref. 607011

Ref. 607010

Ref. 607002

VYR-6040 GENERAL PROPERTIES:

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

MODELS:

Ref. 607002: LITIUM BATTERY 9 V, 1200 mAh
Ref. 607005: RECHARGABLE LITIUM BATTERY 4400 mAh
Ref. 607010: RECHARGABLE BATTERY 12 Vdc, 1,2 Ah
Ref. 607011: RECHARGABLE BATTERY 12 Vdc, 3,2 Ah
Ref. 607012: RECHARGABLE BATTERY 12 Vdc, 9 Ah
Ref. 607030: BATTERY 24 V, 38 Ah

Ref. 607040: VOLTAGE LIMITATOR for 12Vdc

Ref. 607005

Ref. 606040

Ref. 607072

Micro-Hydraulic Turbine for Battery Charge

Controller Accesories

Ref. 607095

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).

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. 893210

Ref. 890005

Ref. 893280

Ref. 893200

Ref. 893200

Ref. 893280

Ref. 890011

Ref. 890012

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 FIELD: Remote field station (1 km) with temperature sensors and soil moisture. It is optional humidity sensor sheet.

- **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. 890031: INOX STAND 1 m FOR FIELD STATION.

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 CONDUCTIBITY SENSOR.

Ref. 890015: HYDRO-PLUS WEATHER-BRIDGE.
Ref. 890010: MODEM GSM/GPRS FOR DATA TRANSMISSION.
Ref. 890013: FIELD WIRELESS REPEATER.
Ref. 890014: DATALOGER & SOFTWARE FOR REMOTE CONTROL.

Ref. 890030: SEALED BOX WITH ELECTRONIC DATA LOGGER XP+SOFTW.
Ref. 890031: INOX STAND 2,5 m FOR WEATHER STATIONS.
Ref. 890033: STORM GUARD.

Ref. 890009

Ref. 890002

Ref. 890013

Ref. 890030

Ref. 890033

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
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HYDRAULIC VALVES AND ACCESSORIES
- VYR-6152 PLASTIC 2" and 3".....Pg. 112
- VYR-6154 PLASTIC MODULAR 4".....Pg. 114
- VYR-6110 METAL VALVES.....Pg. 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 m^3/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 m^3/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

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:

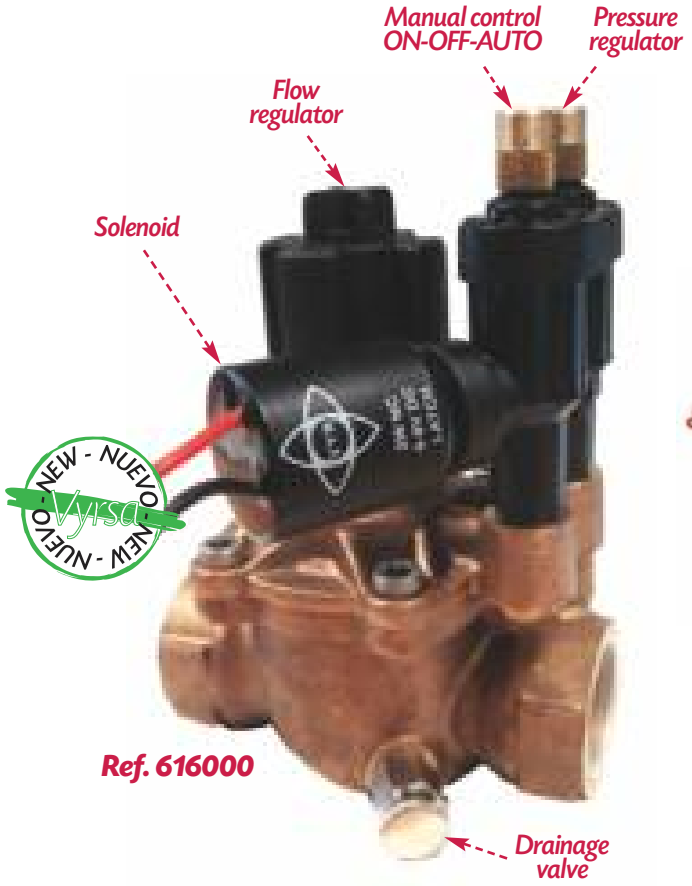
- Valve with 12 VDC solenoid.
- Valve with 9-12 VDC LATCH solenoid.

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



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:

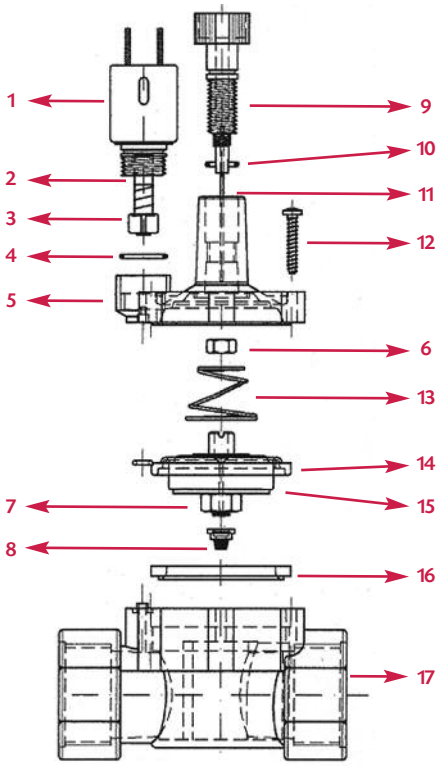
Ref. 640020: Solenoid Globe-valve 1", of **24 Vac**.
Ref. 640030: Solenoid Globe-valve 1 1/2", of **24 Vac**.

Ref. 640020L: Solenoid Globe-valve 1", of **9-12 Vdc Latch**.
Ref. 640030L: Solenoid Globe-valve 1 1/2", of **9-12 Vdc Latch**.

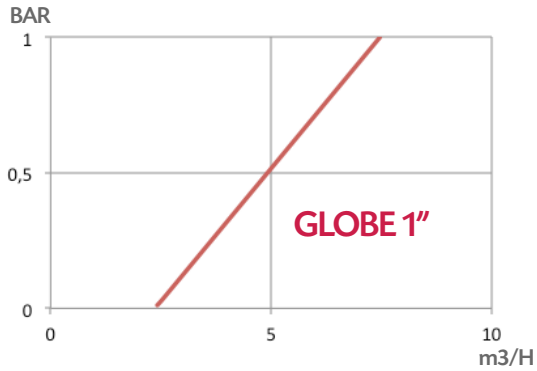
SOLENOID-VALVES "VYR GLOBE":

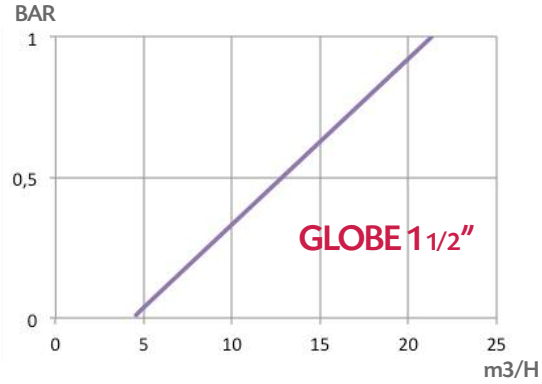
The design and quality of the product range offered VYR one of the valves more reliable and robust in the market.

GLOBE design provides maximum resistance under hummer 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: 11/2" 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: 11/2" 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: 11/2" NYLON, HYDRAULIC with flow regulator.
Ref. 615170: 2" NYLON, HYDRAULIC with flow regulator.
Ref. 615180: 3" NYLON, HYDRAULIC with flow regulator.

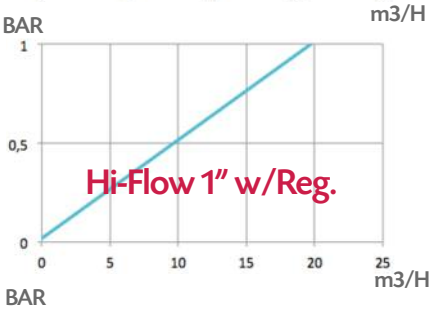
Ref: 620021: Pressure Regulator KIT + Preassure Gauge

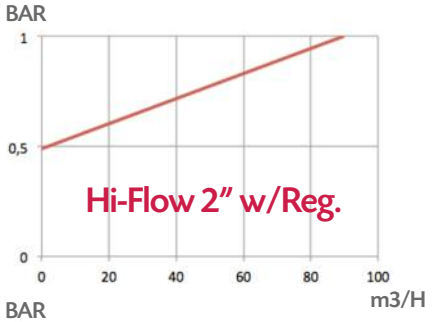
METRIC Valve Performance: Pressure Lost (BAR) vs. Flow (m^3/h)

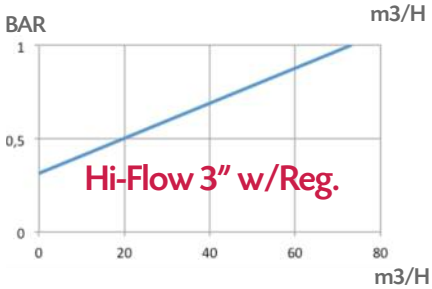
FLOW m^3/h	2	3	4	5	6	7	8	9	10	12	14	16	20	25	30	40	50	60
1"	0,23	0,24	0,28	0,35	0,46	0,60	0,82	0,97	1,22									
1" 1/2				0,15	0,17	0,18	0,19	0,20	0,21	0,30	0,43	0,55	0,87					
2"									0,16	0,20	0,24	0,29	0,32	0,40	0,50	0,55	0,61	0,78
3"									0,18	0,22	0,27	0,31	0,35	0,43	0,55	0,60	0,65	0,82

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



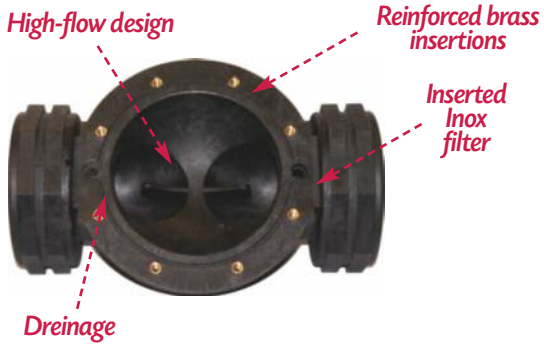




SOLENOID-VALVES "VYR Hi-Flow":

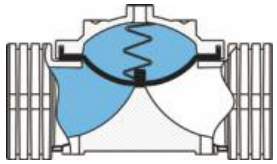
The design and quality of the product range offered VYR one of the valves more reliable and robust in the market. Hi-Flow design provides maximum performance, and with a minimum pressure drop. Furthermore, the internal cavity of the seat of the membrane is self-cleaning, preventing the accumulation of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

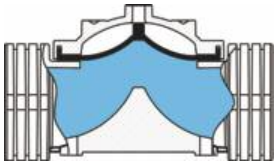
DIAPHRAGMS:
A: 1-6 BAR (drip)
B: 1,5-10 BAR (sprinkler)

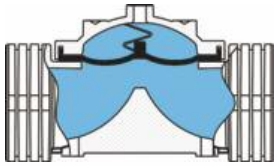


VYR-6152
Hydraulic plastic valves HPV

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 m^3/h to 100 m^3 /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 90º (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 limitator.
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 VALVE4"

+ THREAD H

+ FLANGED

+ PVC GLUED

+ SLOTED

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 m^3 / 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 ...

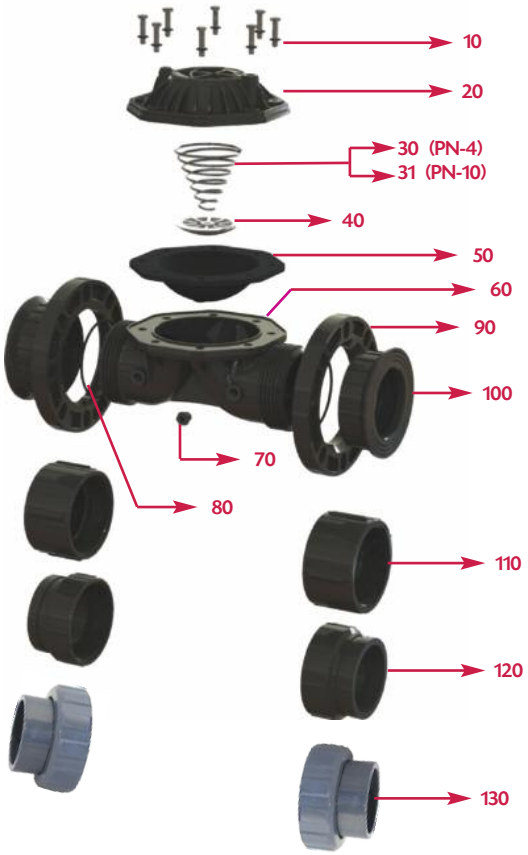
OPTIONS:

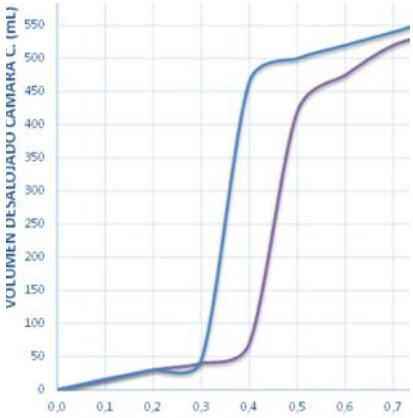
- Two types of membrane spring low or high pressure according to the needs of the customer (PN-4 or PN-10).
- On demand with ON-OFF-AUTO hydraulic opening, regulating pilots and pressure holders, solenoid, etc.

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.

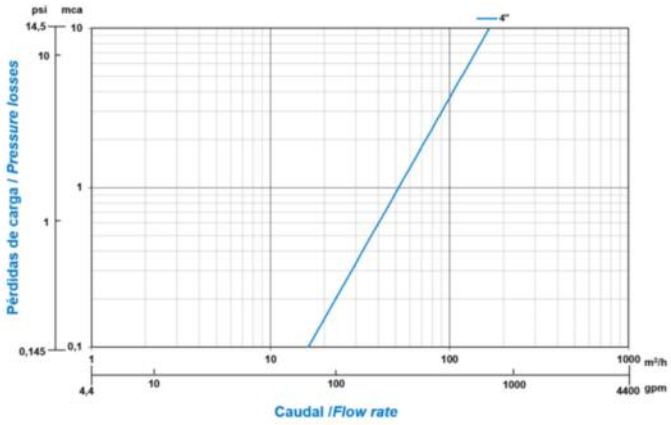
Ref. 061541: Flange adapter + Flange 4" (1 piece).
Ref. 061542: Female Thread adapter 4" H (1 piece).
Ref. 061543: Slot adapter 4" (1 piece).
Ref. 061544: PVC adapter for glue 4" (1 piece).
Ref. 061545: Electro-Welding PE 4" (1 piece).





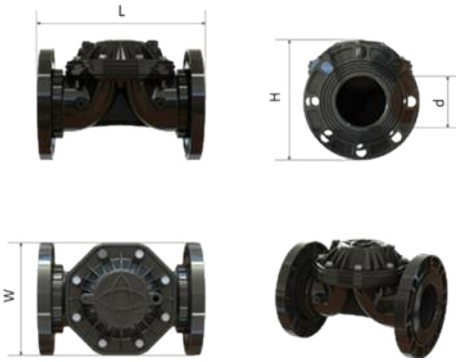
PN-4
PN-10
PN-10

PRESSURE LOST CHART



MEASSUREMENTS VYR-6154

CONNECT.	LENGHT (L)		HEIGHT (H)		WIDTH (W)		INT. DIAM. (Ø)		WEIGHT	KV	
	mm	in.	mm	in.	mm	in.	mm	in.	Kg.	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		

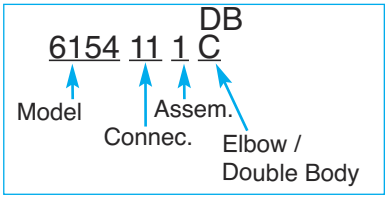


ASSEMBLY OPTIONS VYR-6154

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 90º (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 limitator.
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:

6110 025 B C 16

Model · Size · Mont. · Elbow · PN

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.

HYDRAULIC ACCESSORIES · FITTINGS, FILTERS, VALVES AND PIPE

SOLENOID-VALVE PRESSURE REGULATOR PILOT

Ref: 620021: Adaptater + Pressure Regulator + Preassure 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 FPR ..... Pg. 120
- VYR-19 LPR ..... Pg. 120
- VYR-19 MPR ..... Pg. 120
- VYR-19 HPR ..... Pg. 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 m^3/h (0,9 - 8 GPM).
- Recomended. work press. 8,5 BAR (150 PSI).

MEASUREMENTS :

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

MODELS:

Ref. 121910: **1" M X 1" M,** 15 PSI / 1,15 BAR (Pres. Max.= 6 BAR / 0,6 - 3,5 m3/H)
Ref. 121920: **1" M X 1" M,** 25 PSI / 1,70 BAR (Pres. Max.= 7,2 BAR / 0,6 - 3,5 m3/H)
Ref. 121925: **1" M X 1" M,** 45 PSI / 3,10 BAR (Pres. Max.= 8,3 BAR / 0,6 - 3,5 m3/H)

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 m^3/h (0,9 - 8 GPM). Max. work press. 10 BAR (150 PSI).

MEASUREMENTS :

- Height: 11,5 cm
- Width: 5,3 cm
- Weight: 105 gr
- Units per box: 200

MODELS:

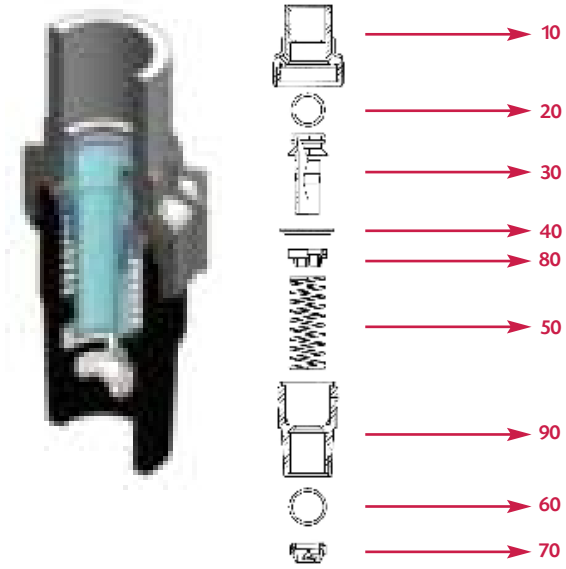
Ref. 121910: **3/4"H X 3/4"M-1/2"F,** 10 PSI / 0,70 BAR (Pres. Max.= 6 BAR / 0,1 - 3,5 m3/H)
Ref. 121920: **3/4"H X 3/4"M-1/2"F,** 20 PSI / 1,38 BAR (Pres. Max.= 6,9 BAR / 0,1 - 3,5 m3/H)
Ref. 121925: **3/4"H X 3/4"M-1/2"F,** 25 PSI / 1,73 BAR (Pres. Max.= 7,2 BAR / 0,1 - 3,5 m3/H)
Ref. 121930: **3/4"H X 3/4"M-1/2"F,** 30 PSI / 2,07 BAR (Pres. Max.= 7,6 BAR / 0,1 - 3,5 m3/H)
Ref. 121940: **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. 121950: **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. 121911: **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. 121921: **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. 121926: **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. 121931: **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. 121941: **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. 121951: **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. 121990: Check-Valve Kit for VYR-10 MRP

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



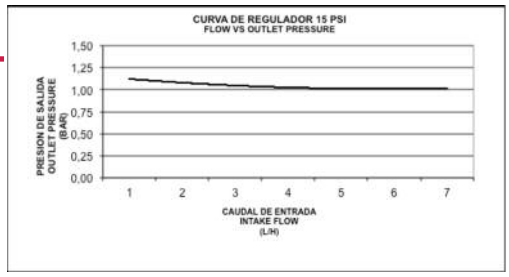
VYR-19 MPR · Fixed pressure regulators

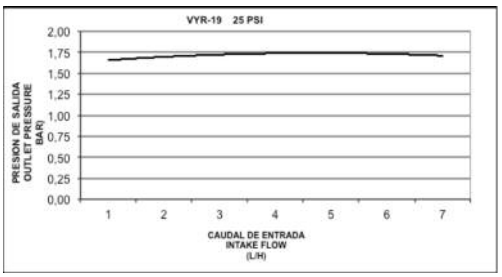
GENERAL PROPERTIES:

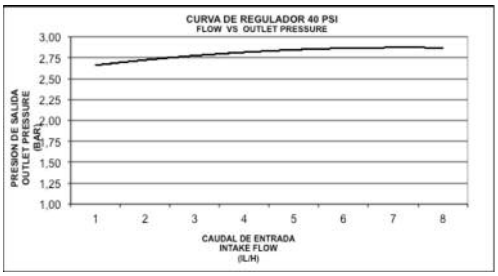
- Pressure regulators VYR-19 MPR for agricultural and landscape use.
- Made of nylon 6.6, polypropylene, rubber and stainless steel.
- The design, with cross-sectional and longitudinal reinforcements, makes this range of pressure regulators one of most resistant on the market against high pressures and 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 m^3/H (0,88 - 15,4 GPM).
- Maximum working pressure 10 BAR (150 PSI).

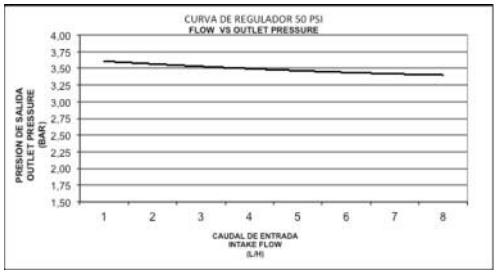
MEASUREMENTS:

- 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: 3/4H x 3/4"H, 30 PSI / 2,07 BAR (Pres. Max.= 7,6 BAR / 0,1 - 3,5 m3/H)
Ref. 101940: 3/4H x 3/4"H", 40 PSI / 2,76 BAR (Pres. Max.= 8,3 BAR / 0,1 - 3,5 m3/H)
Ref. 101950: 3/4H 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 m^3/h / 528 - 1320 GPH
- Maximum working pressure 12 BAR / 174 PSI

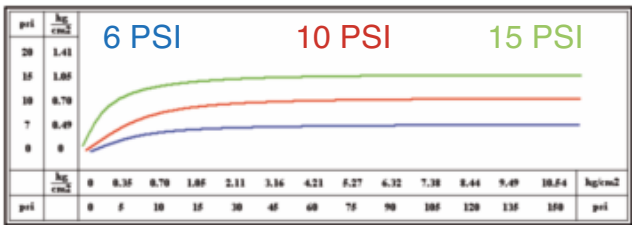
MEASUREMENTS:

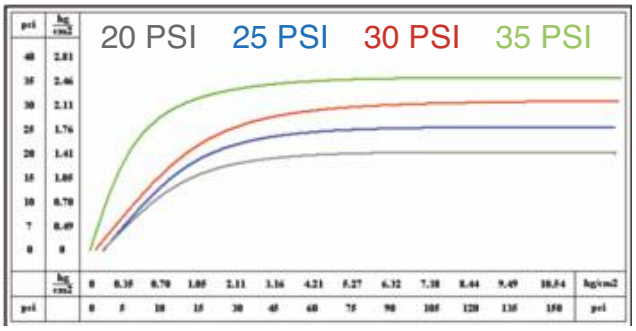
- Height: 13,8 cm / 5,4 in
- Width: 6,9 cm / 2,7 in
- Weight: 197 g / 0,43 Lbs
- Units per box: 50

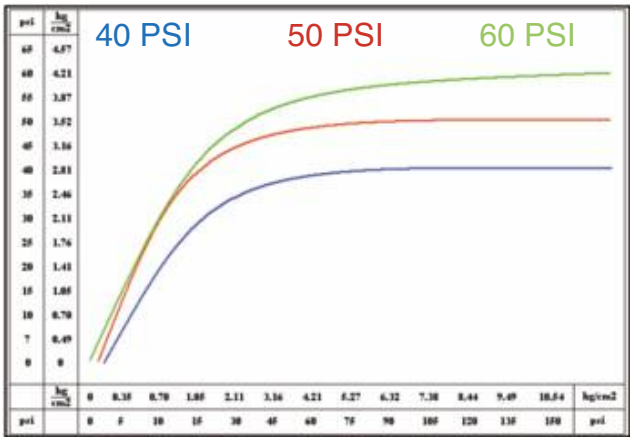
MODELS:

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

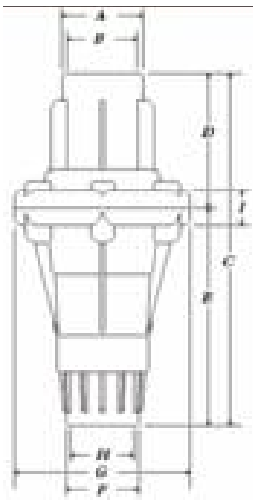
Ref. 111906: **1"**, 6 PSI / 0,41 BAR (Reg. Pres. Max.= 5,6 BAR / 1 - 5 m^3/h)
Ref. 111910: **1"**, 10 PSI / 0,70 BAR (Reg. Pres. Max.= 6 BAR / 1 - 5 m^3/h)
Ref. 111915: **1"**, 15 PSI / 1,05 BAR (Reg. Pres. Max.=6,4 BAR / 1 - 5 m^3/h)
Ref. 111920: **1"**, 20 PSI / 1,40 BAR (Reg. Pres. Max.= 6,9 BAR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



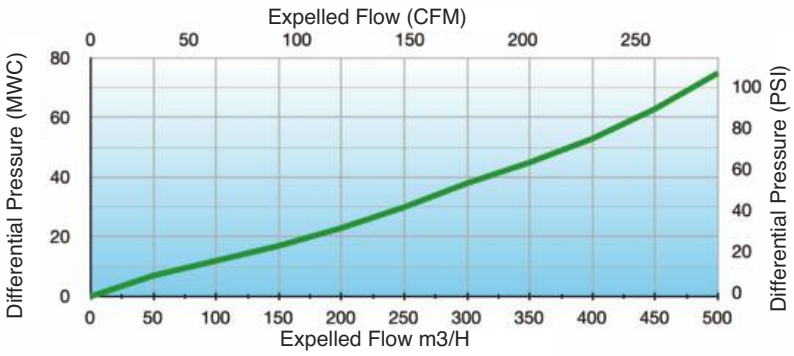
Air Release Valves

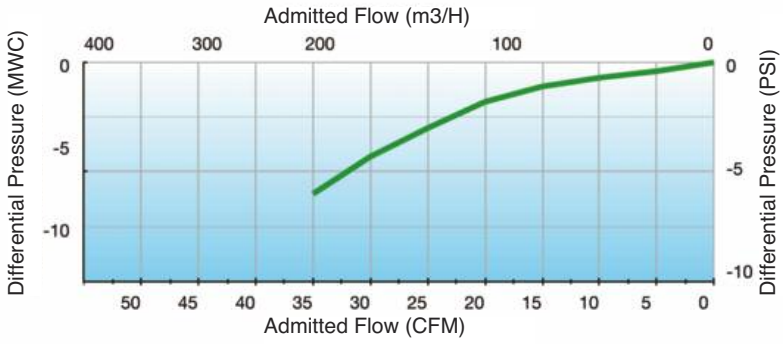
AIR RELEASE VALVES

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

VYR-39 Mono-functional

Ref. 103905





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 m^3/h of air on filling the installation, without the valve closing through absence of air.
- Extraction of more than 45 m^3/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.

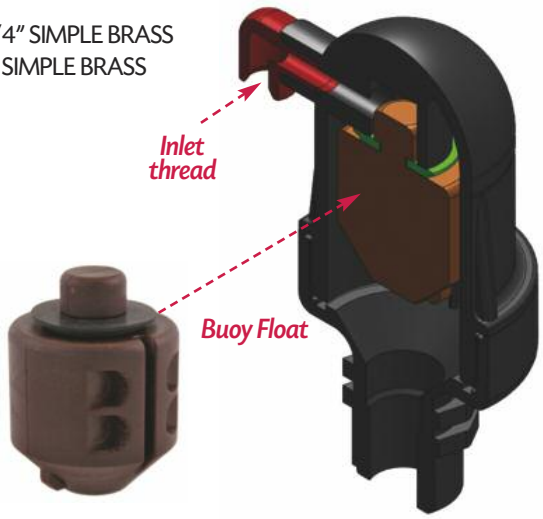
APPLICATIONS:

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

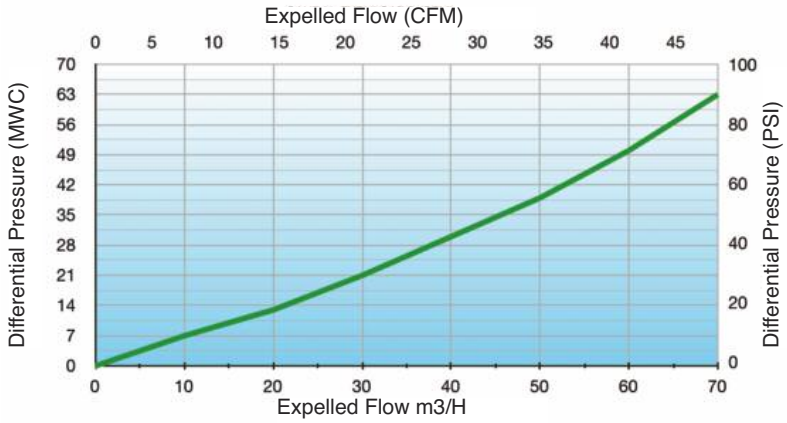
MODELS:

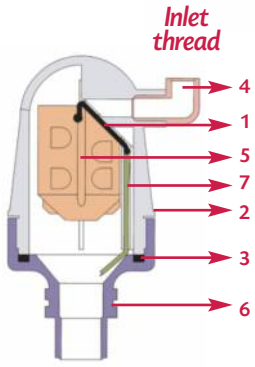
Ref. 103904: 3/4" SIMPLE
Ref. 103905: 1" SIMPLE

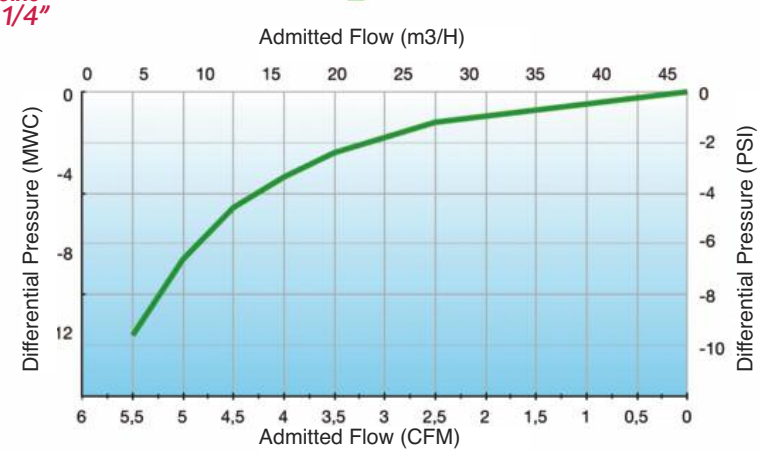
Ref. 103924: 3/4" SIMPLE BRASS
Ref. 103925: 1" SIMPLE BRASS



VYR-39 Tri-functional







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 m^3/h of air on filling the installation, without the valve closing through absence of air.
- Extraction of more than 45 m^3/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 m^3/H (4.400 GPM) of air on filling the installation, without the valve closing through absence of air.
- Extraction of more than 200 m^3/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)**

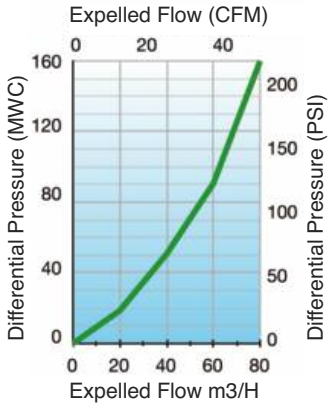
Ref. 103952: 2” TRIPLE , 2-16 BAR **(HI PRESSURE)**
Ref. 103972: 2” TRIPLE BRASS, 2-16 BAR **(HI PRESSURE)**

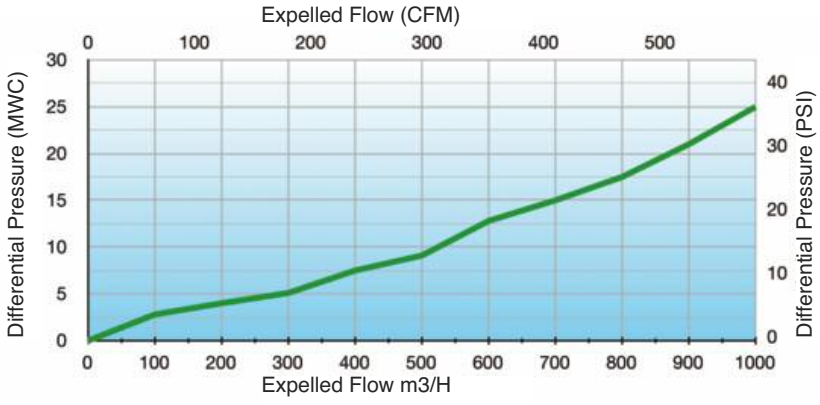
The **VYR-39 Tri-Functional** valve is designed to withstand the most stringent working conditions and efficiently expel the accumulated air in hydraulic network pipes.

The materials with which it is manufactured are resistant to exteriors at 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.

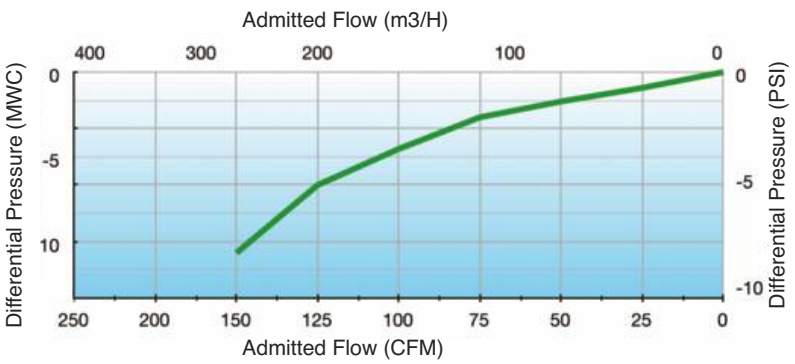
It is recommended the installation of a ball valve coupled to the VYR-39 valve to facilitate the maintenance of this.





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

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



N°	Description	Reference	Material
1	Top body	403901	EPDM
2	Low body	433902	Polyamide with fiberglass
3	O-Ring	403903	NBR
4	Revolving Elbow	403904	Polypropilene
5	Buoy	403905	Polyestirene
6	Base of 3/4"	403906	Polyamide with fiberglass
	Base of 1"	403907	Polyamide with fiberglass
7	Buoy Lock	403908	Polypropilene

Accessories

CONNECTOR 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

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 11/2" - 11/2"
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 11/2" - 11/2"
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 11/2" - 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 - 11/2" 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 - 11/2" 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 11/2" - 11/2"
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 11/2" - 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 - 11/2" 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 11/4" H
Ref. 103845: SLEEVE COUPLER 11/2" 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 - 11/2' 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:

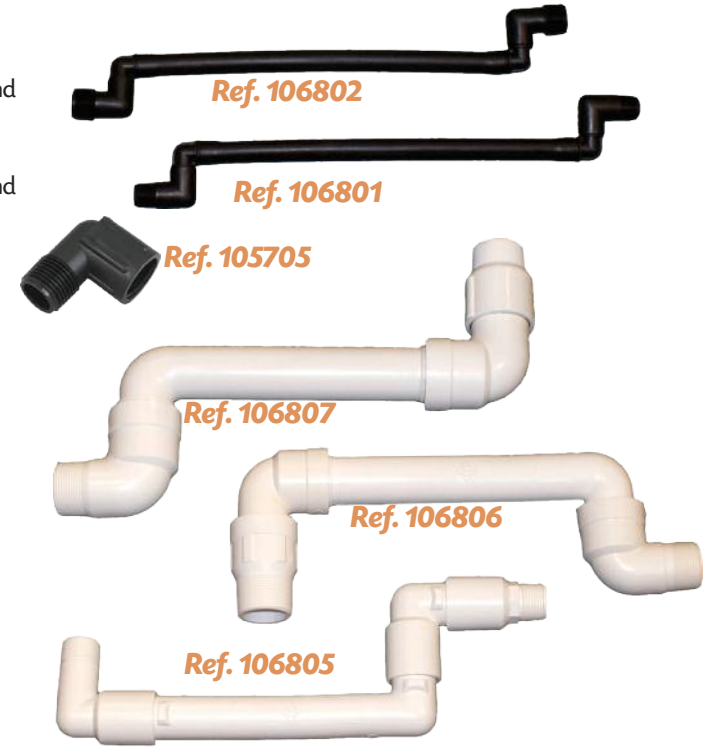
- Polyetiline Swing-Joints of 1/2" and 3/4" for easy sprinkler installation and re-adjustment to the ground level.

- 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

greenflex

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

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

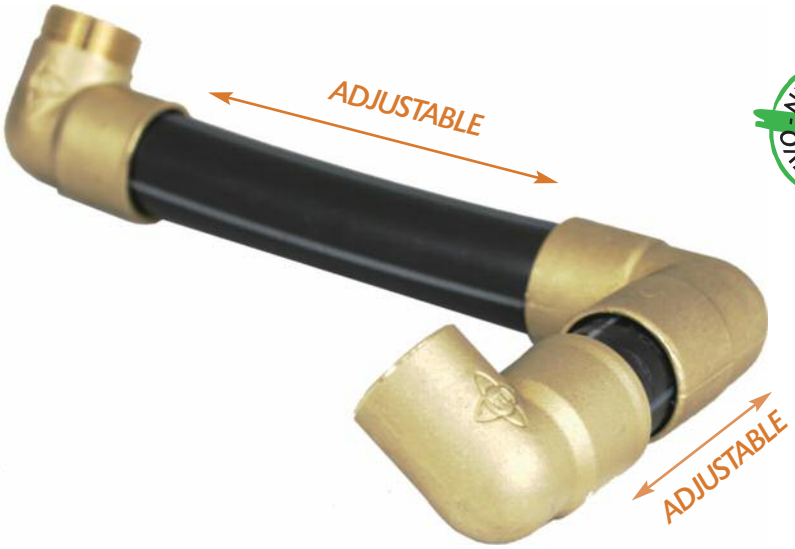
QUICK CONNECT ELBOW CONNECTOR VYR-1057:

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



NEW - NUEVO - NEW - NUEVO - Vyrsa

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

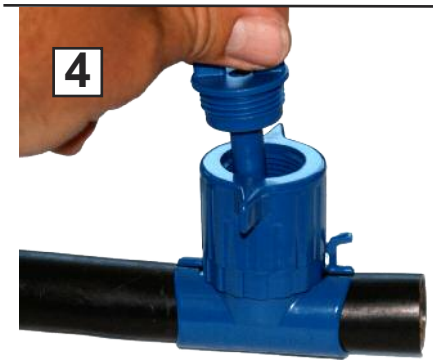
Ref. 104201: ø 3/4"
Ref. 104202: ø 1/2"
Ref. 104203: ø 1/2"-3/4"

Ref. 104208: ø 16-50 Pipe Cutter

VYR-88 · Express Saddles

GENERAL PROPERTIES:

- Saddle connections and branch system for low/medium density pipes PE Ø 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 Ø 20 mm / 3/4" F
Ref. 108802: Pipe Ø 20 mm / 1/2" F

Ref. 108804: Pipe Ø 25 mm / 3/4" F
Ref. 108805: Pipe 25 mm / 1" F

Ref. 108807: Pipe Ø 32 mm / 3/4" F
Ref. 108808: Pipe Ø 32 mm / 1/2" F

Ref. 108810: Tool cutter.
Ref. 108811: Plug.

VYR-6300 Valve Boxes

Strong & Secured

Ref. 630021

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.

Ref. 630020

APLICATIONS:

- Private and professional landscaping.
- Public and private gardens, commercial areas, sports facilities and golf courses.

MEASSUREMENTS:

	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

Ref. 630011

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

Ref. 630010

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.

RECYCLED NON-POTABLE WATERS

APLICATIONS:

- 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: 825 x 495 x 457 mm

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.

APLICATIONS:

- 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"

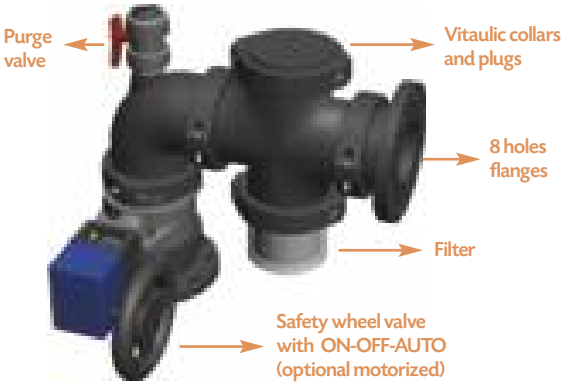
Ref. 105613: T H-H-M 1 1/2"
Ref. 105614: ELBOW H-M 1 1/2"
Ref. 105615: ELBOW H-H 1 1/2"
Ref. 105616: COUPLER 1 1/2"
Ref. 105617: MALE PLUG 1 1/2"
Ref. 105618: FEMALE PLUG 1 1/2"
Ref. 105619: CROSS H-H-H-M 1 1/2"

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 outllet 1"
Ref. 692018: FLANGE-THREAD ADAPTER 2"
Ref. 692020: THREAD ADAPTER 2"
Ref. 692022: SHORT FILTER SET2"
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 VALVE3"
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.

Ref. 100811

Ref. 100813

Ref. 100812

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.

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

Ref. 109010

GENERAL PROPERTIES:

- Spray irrigation with multi-adjustable jet patterns.
- Made of brass, plastic, galbanizado and rubberized grip for confortabe.
- Adjusting the spring tension aperura.
- 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.

VYR-90-J Water Pistol

VYR-90-J · Water-Pistol

Ref. 109000

GENERAL PROPERTIES:

- Spray gun with adjustable jet nozzle.
- Made of brass, plastic, galvanised 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.

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.

ref. 109310

ref. 109311

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. 109310: 2 PORTS.
Ref. 109311: 4 PORTS.

VYR-17 Brass bibcocks with swivel elbow

VYR-17 BRASS BIBCOK WITH ROTATING POUT ELBOW · Valves and accesories

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"

-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.
- Outpout 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:

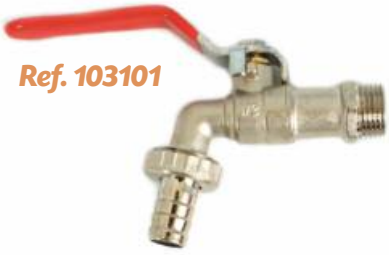
- Brass and steel faucet valves for installation in collectors, pipes, irrigation coverages and connection to hoses.
- Made of nickel-plated brass
- Stainless steel ball and Teflon joints.
- Output with 1 1/2 "or 2" female thread.

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 bibcoks - 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 connecter adapter for hoses of 16-20 mm. Gasket included for preventing leaks.

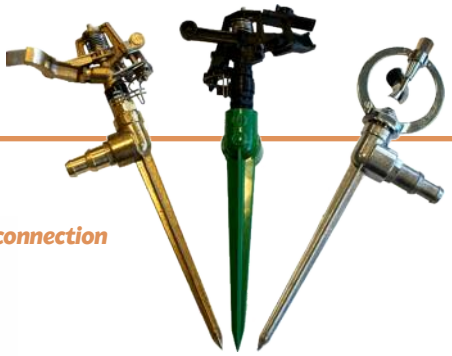
MODELS:

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 aluminun 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:

- Aluminun 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 unassablable 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 / 15 - 25 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

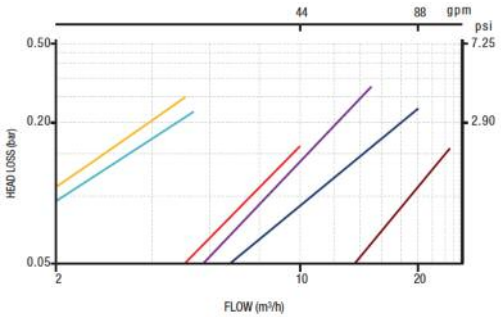
Filtration & Dosing Systems

FILTRATION & DOSING SYSTEM

- FILTRATION.....Pág. 151
- DOSING SYSTEM.....Pág. 152

VYR-1300 Filters-Y

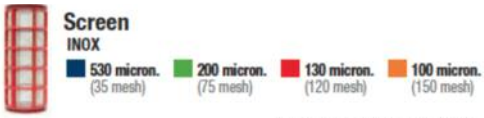
Ref. 130020



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



VYR-1350 Filters-Y

VYR-1350 · Medium Flow Filters-Y

Ref. 135024

MODELS:

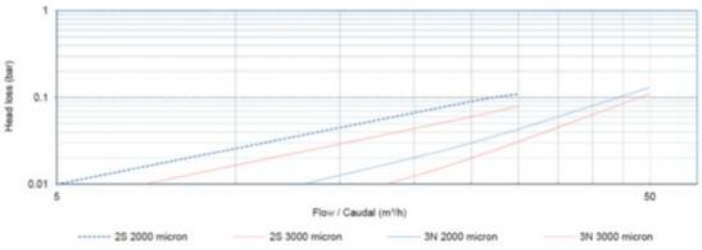
Ref. 135024: 1 1/2" low flow Y screen filter 12 m³/h 2W + Drainage
Ref. 135025: 1 1/2" low flow Y disc filter 12 m³/h 2W + Drainage
Ref. 135030: 2" Y screen filter 30 m³/h 3W + Drainage
Ref. 135031: 2" Y disc filter 30 m³/h 3W + Drainage

VYR-1400 Filters C-Inox

VYR-1400 · High Flow Filters-Y

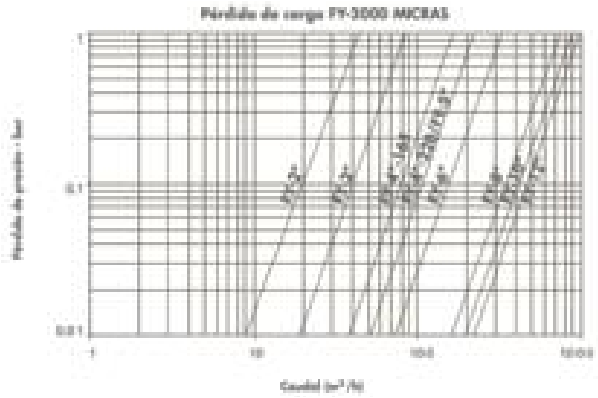
MODELS:

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 accesories

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:

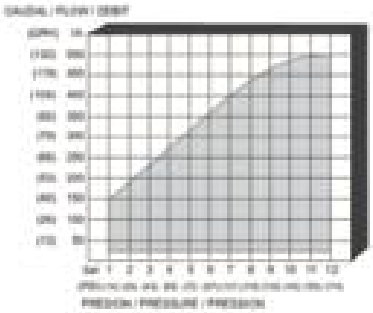
Ref. 275002: ROCK-HUNTER filter of 2" thread.
Ref. 275003: ROCK-HUNTER filter of 3" flanged.
Ref. 275004: ROCK-HUNTER filter of 4" flanged.
Ref. 275005: ROCK-HUNTER filter of 5" flanged.
Ref. 275006: ROCK-HUNTER filter of 6" flanged.
Ref. 275008: ROCK-HUNTER filter of 8" flanged.
Ref. 275010: ROCK-HUNTER filter of 10" flanged.
Ref. 275012: ROCK-HUNTER filter of 12" flanged.

VYR-490
Hydraulic dosing pump

VYR-490 HYDRAULIC DOSING PUMP · Hydraulic inyectors

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: P.P - 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

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		-		-		-

GENERAL PROPERTIES:

- Venturi injector with metering control valve and suction filter mesh.
- Optional flow-meter needle for dosing measuring.
- Built-in non-return valve.

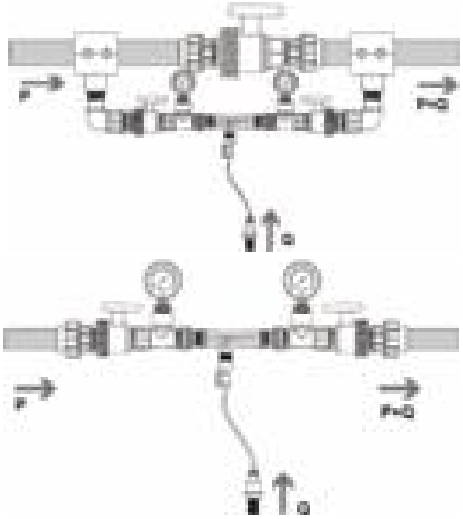
MODELS:

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"



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-dreinage 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	970ZB98077
	Atornillador DIN 3125	SW 14 socket wrench DIN 3125	Cambio boquilla principal	Changing main nozzle	970ZB98114
	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	Intalación del reg. presión	Installation of pressure sensor	970RT17908

	Descripción	*Description*	*Aplicación*	*Application*	*Ref #.* *Part #.*
	VYR-650 S-M				
	Llave para pre-filro VYR-650-L	Key for pre-filter VYR-650 L	Desmontar el pre-filtro	Disassembly of pre-filter	650RT14130
	Llave para pre-filro 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	972ZB98291
	Conector ON-OFF de carcasa	knock-off/on flange for guide housing	Taponar carcasa	Plugging the guide housing	972RB17698
	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	980RB25380
	Llave de boquillas	VYR-980 assembly key for nozzle	Cambio de boquillas	Changing nozzle	980RB25189

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 m^2.

Example: if we have a sprinkler that at 3 kg/cm^2 of pressure delivers a flow of 1870 l/h , and the sprinklers are installed in areas of 18 x 18 m (324 m^3), the application rate would be:

1870 (l/h) / 324 m^3 = 5.7 milímetres/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^3 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 Precipitaction 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 Precipitaction 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:**

$$\text{P.R.(inches/h)} = \frac{\text{GPM (for any arc)} \times 34{,}650}{\text{Arc degree} \times \text{Sprinklerspacing (feet)} \times \text{Line spacing (feet)}}$$

$$\text{P.R. (mm/h)} = \frac{\text{m}^3\text{/h (for any arc)} \times 360}{\text{Arc degree} \times \text{Sprinklerspacing (m)} \times \text{Line spacing (m)}}$$

$$\text{P.R. (mm/h)} = \frac{\text{l/min (for any arc)} \times 21{,}600}{\text{Arc degree (m)} \times \text{Sprinkler spacing (m)} \times \text{Line spacing (m)}}$$

▲ **Equilateral triangular spacing:**

$$\text{P.R.(inches/h)} = \frac{\text{GPM Arc of 360} \times 96{,}25}{\text{Sprinkler spacing}^2 \times 0{,}866}$$

$$\text{P.R. (mm/h)} = \frac{\text{m}^3\text{/h Arc of 360} \times 1{,}000}{\text{Sprinkler spacing}^2 \times 0{,}866}$$

$$\text{P.R. (mm/h)} = \frac{\text{l/min} \times 60}{\text{Total area}}$$

Uniformity coefficient

FORMULA FOR CALCULATING THE UC OF AN AREA:

$$CUzona = 100 \times \frac{\text{volumen medio de la cuarta parte de los vasos con menos agua}}{\text{volumen medio de todos los vasos}} = 100 \times \frac{V_{25\%}}{V_m}$$

FORMULA FOR CALCULATING THE UNIFORMITY OF AN IRRIGATION UNIT TAKING PRESSURE CHANGES INTO ACCOUNT:

$$CU = CUzona \times \frac{1 + 3 \times \sqrt{\frac{\text{Presión mínima}}{\text{Presión media}}}}{4} = CUzona \times \frac{1 + 3 \times \sqrt{\frac{P_{min}}{P_m}}}{4}$$

$$Pmedia = \frac{2 \times Pmínima + Pmáxima}{3}$$

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	metro²	pie²	10,764
	pulgada²	centímetro²	6,452
	hectáreas	metro²	10000
	hectáreas	acres	2,471
ENERGÍA	kilovatios	caballos	1,341
CAUDAL	pie³ / minuto	metro3 / segundo	0,0004719
	pie³ / segundo	metro3 / segundo	0,02832
	yardas³ / minuto	metro3 / segundo	0,01274
	galón / minuto	metro3 / hora	0,22716
	galón / minuto	litro / minuto	3,7854
	galón / minuto	litro / segundo	0,06309
	metro³ / hora	litro / minuto	16,645
	metro³ / hora	litro / segundo	0,2774
	litro / minuto	litro segundo	60
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	pies³	litro	28,32
	metro³	pies³	35,31
	metro³	yarda³	1,3087
	yarda³	pies³	27
	yarda³	galón	202
	acres / pies	pies³	43,56
	galón	metro³	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 20ºC (68ºF) 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).

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)

$$R = \frac{1000 \times 4}{2(1200) \times 0,37} \qquad R = \frac{4000}{888}$$

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.

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

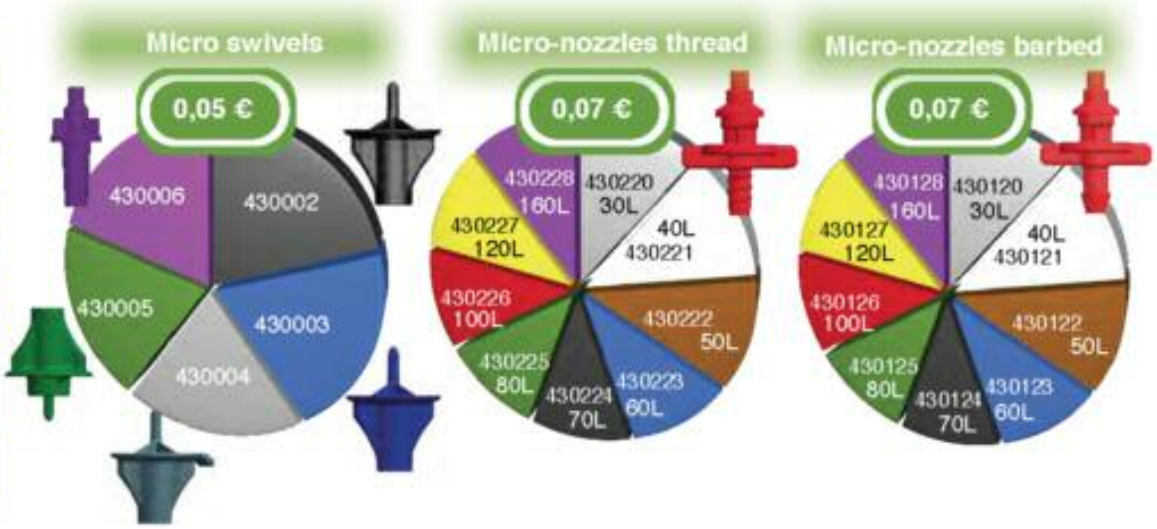
Ask a professional and all your problems will be solved efficiently and cost-effectively. In our **Training Rooms** we offer our customers courses to help them get the best possible performance out of our products. Let us share our knowledge with you; we will show you to how manage your sprinkler irrigation 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

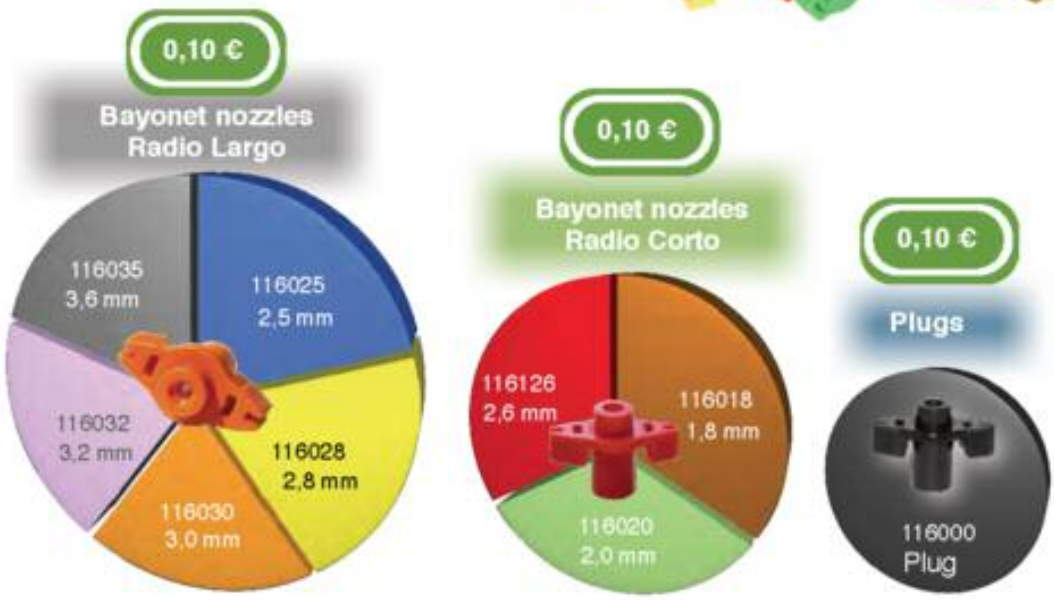
VYR-3000 MICRO



VYR-3100

VYR-3250

VYR-16



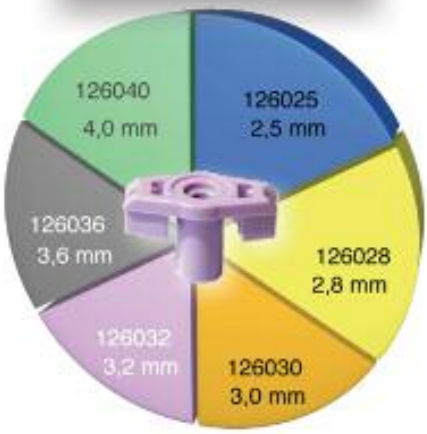
Nozzles

Measurements, Combinations and References

VYR-26

0,10 €

Bayonet nozzles Radio Largo



0,10 €

Bayonet nozzles Radio Corto

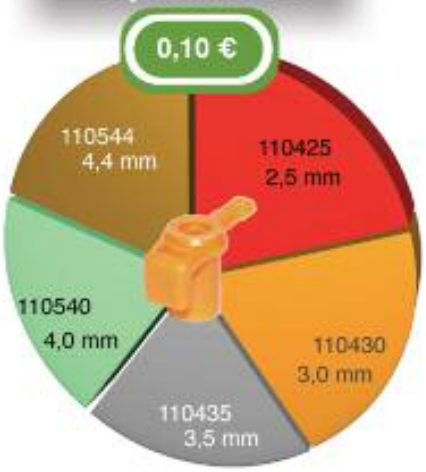
0,10 €

Plugs

VYR-802-803-962

Bayonet nozzles

0,10 €



VYR-4000 ROTEC

0,85 €

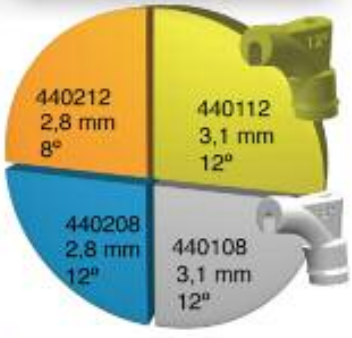
Nozzles

0,35 €

Plates Standard Angle

0,35 €

Plates Low Angle



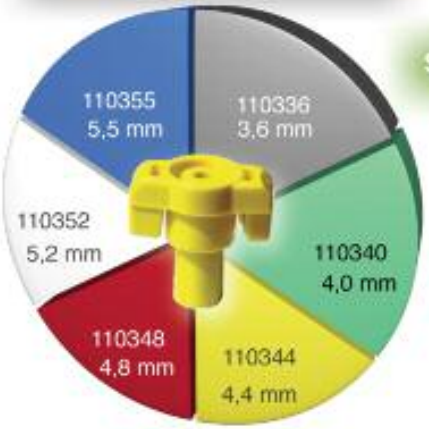
Nozzles

Measurements, Combinations and References

VYR-37-67

0,15 €

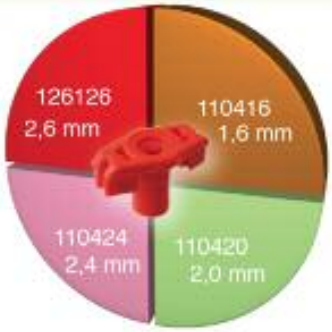
Long range bayonet nozzles



Bayonet nozzles

0,10 €

Short range bayonet nozzles



0,10 €

Plugs

VYR-36-66-35-60-46--56

0,10 €

Long range nozzles 1/4" short nozzles

0,10 €

Short range slot 3/8" nozzles

0,10 €

Plugs

Long range 1/4" long nozzles

0,15 €

nuevo VYRSA new

Nozzles

Measurements, Combinations and References

VYR-3-25-50-80

Rounded 3/8" nozzles — 0,35 €

Sloted 3/8" nozzles — 0,35 €
Only VYR-25

Plugs — 0,25 €

VYR-20-23-33-35-36 -46-56-60-66-70

Long range 1/4" rounded — 0,35 €

Short range 3/8" sloted — 0,35 €

Short range 1/4" sloted (Only VYR-23-46) — 0,65 €

**VYR-23-46

Plugs — 0,35 €

VYR-70V-86

Long range 5/8" rounded — 1,35 €

1,05 €

Short range 5/8" sloted — 1,05 €

Plugs — 1,05 €

Nozzles

Measurements, Combinations and References

VYR-65-166

Long range 5/8" rounded

1,35 €

Short range 1/8" sloted

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" sloted

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

** Solo para el VYR-157 L

Boquillas Radio Corto

Boquillas Radio Largo

** 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

Long range nozzles

VYR-601-612

0,80 €

Medium range nozzles

VYR-601-612

0,40 €

Low angle nozzles

VYR-601-612

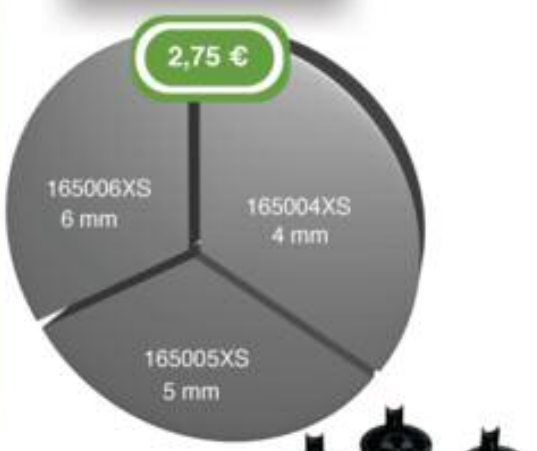
0,40 €

Nozzles

Measurements, Combinations and References

VYR-650 XS

Multi-jet nozzles



VYR-650 S

Multi-jet nozzles

Tail nozzles

VYR-650 M

Multi-jet nozzles

VYR-650 L

Multi-jet nozzles

Nozzles

Measurements, Combinations and References

VYR-970

VYR-972-973

VYR-980

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).

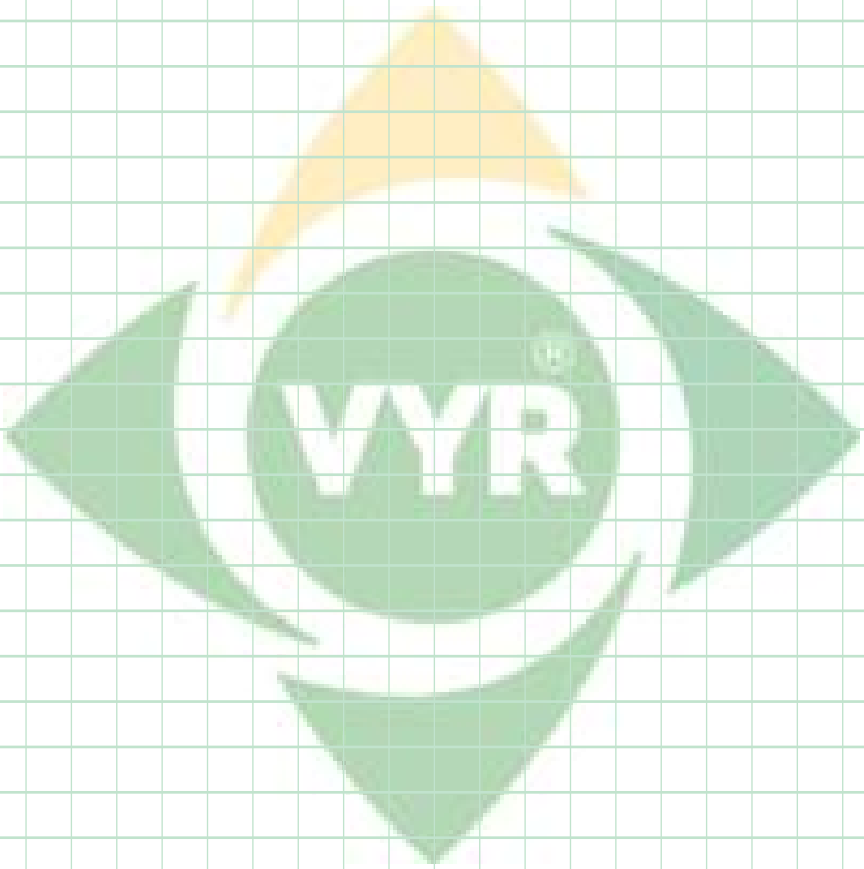
Short black vane VC: Eliminates part of the turbulence in the last section of the water before the exit through the nozzle. Recommended use under average pressure conditions of 3-4.5 BAR (35-50 PSI).

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

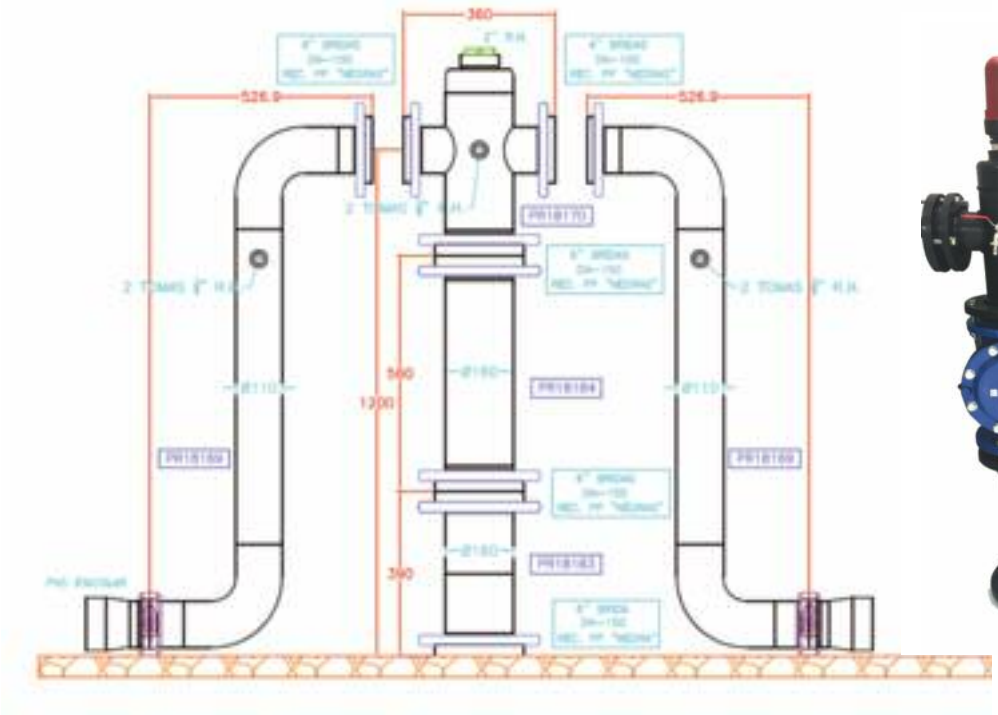
Tlf.: +34 947 26 22 26

Fax: + 34 947 26 21 24

E-mail: vyrsa@vyrsa.com

Web: www.vyrsa.com

VYR-6950
Modular Main Hydrants



MANIFOLDS AG-PPR VYR-6950 · 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. 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"

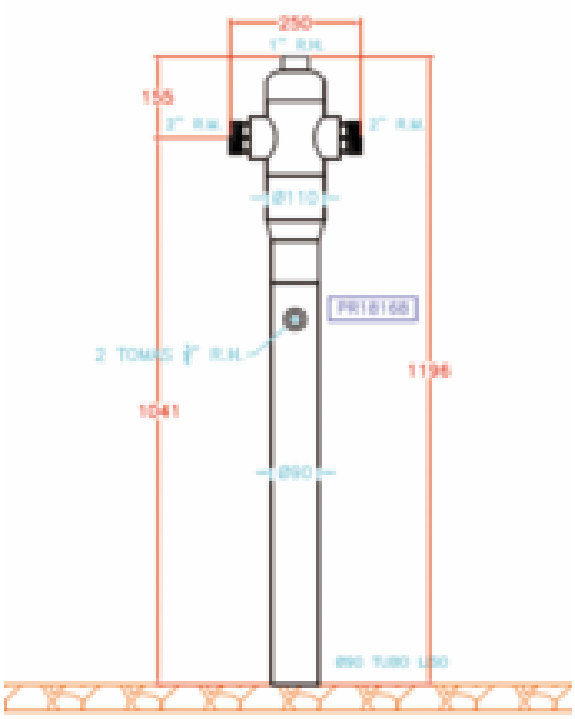
Ref. 695004: MASTER HYDRANT 8": Manifold + Security Valv. + Air-Release Valv. VYR-39 2" + Y Rock-Filter + 2 metal hydrants 4" flanged + Pres. Reg. Pilot + 2 neck downpipes swan 4"

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. 11/2"

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

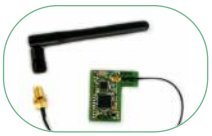
Compatible with: Hydroplus

Consíguelo en el App Store

DISPONIBLE EN Google Play

COMMUNICATION WITH MODULES OASIS RD

COMMUNICATION WITH MODULES HELIOS RC



MASTER-LATCH PG-6011 RD-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 / 1 Lbs
- 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!

Remote Intelligence

Sensors and valves

BRICKS

Lit. Recharg. Battery

Lora RF

Wi-Fi & BT

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: Inteligence **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** intelillence 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).