

IRRIFARM

A Leading Irrigation Equipment Supplier



Brands At One Stop

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VALVE BOX

- ◆ 6" & 10" Round Valve Boxes
- ◆ 12" Standard, 20" Jumbo & Super Jumbo Rectangular Valve Boxes

A durable round valve box ideal for commercial and residential installation. Round Valve box have extra support for strong load strength. Original twist lock design cover, U.V Resistant, Easy Storage. Pipe cutouts allows for quick and easy installation.

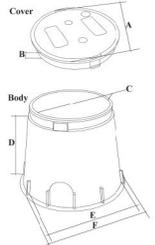
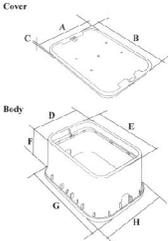
Bodies & Covers made from High-density Polyethylene with Ultra violet additives.

Lid to Box locking method is bolt down fixture. Cover making shall be irrigation control valve.

Rectangular Valve Box: Surface mounted box.

Cover complies with the slip resistance requirements of SASO Standards.

Stainless steel bolt and nut (optional)



	Weight Kg	A cm	B cm	C cm	D cm	E cm	F cm	G cm	H cm
12" Std Rectangular valve box	3.70	26.5	40	4.5	26.2	39	32.2	52	38
20" Jumbo Rectangular valve box	6.75	37.6	54	5	37.5	54	31	65	47.5
Super Jumbo Rectangular valve box	14.50	40	64	5.6	42	66	38.5	80.5	56.6

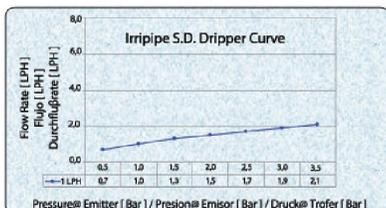
	Weight Kg	A cm	B cm	C cm	D cm	E cm	F cm
6" Round Valve Box	0.47	15.4	1.8	15	22.3	18.8	19.5
10" Round Valve Box	1.21	23.4	3.3	22.2	24.5	29	32

IRRIPIPE - SD

IRRILINE manufactures 16mm & 20mm diameter Drip line with integrated drippers inside, useful for gardens, landscaping, fresh vegetables, row crops, cotton, banana, sugarcane and many more other crops.

Features :

- Have turbulent flow emitter, labyrinth type emitter built in.
- Multi outlet emitter for a better uniformity.
- Pipe thickness can be 0.9mm or 1.1mm.
- Flow rate for 16 mm and 20mm are available with 2 l/h or 4 l/h.
- Emitter Spacing available from 15cm to 100cm at any interval.
- Recommended filtration is 120 mesh using a screen or disc filter.





Brass Quick Coupling Valve



Irriline Brass Quick Coupling Valve Assembly. Available in 1" and 3/4" Sizes

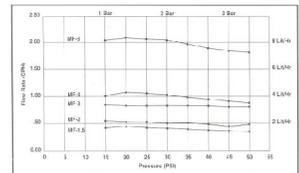
Micro Flapper Dropper (Emitter)

Pressure Compensation / Automatic Purging.

The Irriline Micro-Flapper is fully pressure compensating. The output of each emitter is not affected by reasonable pressure losses due to friction loss in lateral and main lines, elevation difference or changes in pumping pressure. Non-compensating emitters always emit a higher volume of water from the first emitter in the line as compared to the last one, even on level terrain. The unequal distribution is unacceptable and unnecessary with the Irriline Micro Flapper. Irriline Micro-Flapper pressure compensating, allow for smaller diameter mains and submains and longer lateral line, thus reducing overall system cost. Seldom are expensive pressure regulating valves required as each emitter acts as its own pressure regulator.



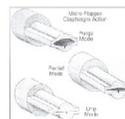
The Irriline Micro-Flapper diaphragm is responsible for pressure compensating action of the emitters and also allows for automatic purging (flushing) of the emitter. The orifice is wide open and allows purging until the system is pressurized. It then partially closes to its regulating position. This action repeats itself when the system is turned off. The orifice opens and trapped particles are flushed out. Frequent operation of the system best



Color Coding:

- | | | | |
|---------------|--------------|---------------|--------------|
| a) Brown Body | 2.0 Lit / Hr | b) Blue Body | 3.0 Lit / Hr |
| c) Black Body | 4.0 Lit / Hr | d) Green Body | 8.0 Lit / Hr |

Suggested Filtration : 150 Mesh
 Maximum Pressure : 50 PSI
 Discharge Tubing : 0.125" I.D x 0.185" O.D
 Porting (Barb) Tubing : 0.187" I.D x 0.285" O.D



Filtration System



Code No.	Inlet	Connection	m2/h	Cartridge
IR-C	3/4"	M	5	Screen
IR-D	1"	M	5	Screen
IR-D-D	1"	M	5	Disc
IR-E	1 1/2"	M	10	Screen
IR-E-D	1 1/2"	M	10	Disc
IR-F	2"	M	20	Screen
IR-F-D	2"	M	20	Screen
IR-GH	3"	M	50	Screen

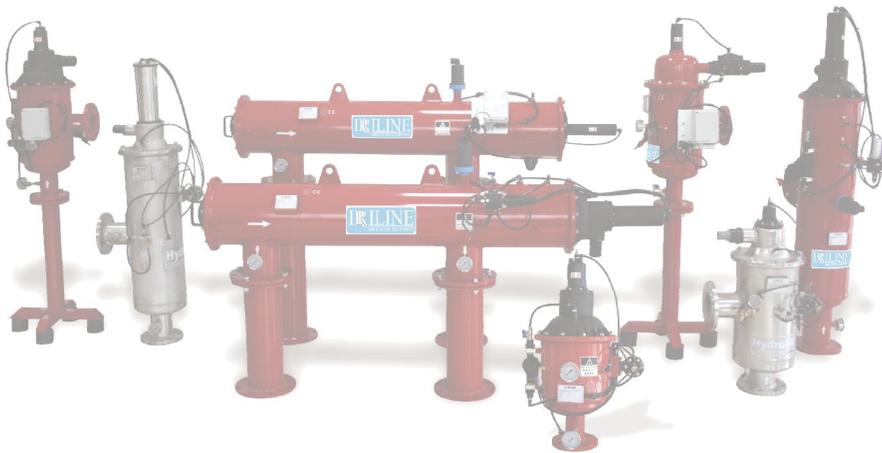
MESH			
	20		30
	50		75
	80		100
	120		155
	200		450

Code No.	Inlet	Connection	Cartridge
IR-2DT	2"	M	Disc
IR-3DT	3"	M	Disc



-  200 Microns
(75 mesh)
-  130 Microns
(120 mesh)
-  100 Microns
(150 mesh)

Automatic Filtration Units



Hydro Fomic IRRIGATION

Flow Regulated Integral Drip Line



Hydro PC is a drip line made with flow-regulating cylindrical drippers which allow growers to irrigate crops in a wide range of field conditions. Whether you're irrigating on a slope or as far as the eye can see, count on Hydro PC to deliver.

The Hydro PC drippers have sensitive floating diaphragms that regulate and maintain a constant flow rate at variable inlet pressures. Because Hydro PC has a large cross-sectional labyrinth and self-cleaning mechanism, it's highly resistant to clogging. And with two outlets per dripper, Hydro PC will continue to deliver the right amount of water, throughout the entire field.

The Hydro PC is constructed with premium resins resistant to UV degradation and damage caused from commonly used chemicals and fertilizers.





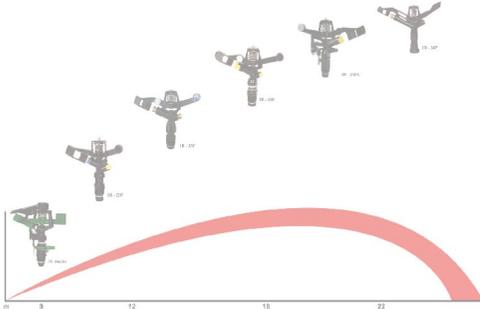
TECHNICAL DATA

- Gun Springler Type : P2 M
- Nozzle Sizes : 26 -34 mm
- Secondary Nozzle : 5 mm
- Operating Pressure : 4 - 8 Bar
- Casting Range : 42 - 61 mm
- Flow Rate : 961.72 - 2021.7L/MIN
- Trajectory : 25°
- Inlet : 3" Female Thread

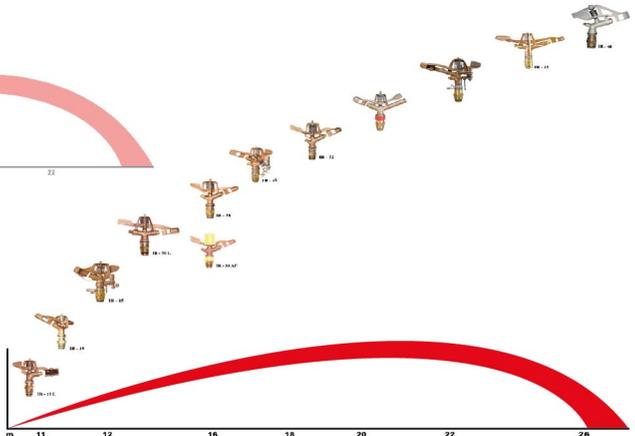


TECHNICAL DATA

- Gun Springler Type : ZN23W
- Nozzle Sizes : 16 - 24 mm
- Secondary Nozzle : 3 mm
- Operating Pressure : 3 - 7 Bar
- Casting Range : 30.5 - 50 mm
- Flow Rate : 262.8 - 903.7 L/MIN
- Trajectory : 23°
- Inlet : 2.5" Female Thread



Sprinklers



Hunter®

The Irrigation Innovators



PS Ultra

Models

- PSU-02 - 2" Pop-up
- PSU-04 - 4" Pop-up
- PSU-06 - 6" Pop-up

Dimensions

- Overall Height: PSU-02 - 5", PSU-04 - 7 1/2", PSU-06 - 9 1/2"
- 1/2" female inlet NPT
- Exposed diameter 1 1/4"

Operating Specifications

- Dual angle size: 0.20 to 5.6 3/4"
- Radius: 9" to 19"
- Recommended pressure range: 20 to 70 PSI
- Precipitation rates: 1.6" to 1.7" per hour

Options Available

- Prountall 10", 12", 15", and 17"
- Pro Adjustable Nozzle with additional large filter screen
- Flush plug models do not include filter screen

SPECIFICATIONBUILDER

MODEL	POP-UP HEIGHT	RADIUS	PATTERN
PSU-02	5"	9"	10'
PSU-04	7 1/2"	12"	15'
PSU-06	9 1/2"	15"	20'

COMP # **PSU-04 - 15 - A**



- Pre-treated Pro Adjustable Nozzle tip flush increases flexibility and performance
- Enhanced cap design for more durability, easier handling, and extended seal life
- Male threaded filter accommodates all Hunter female threaded nozzles
- Double filtered to double the debris protection
- Two-piece ratchet is stronger and more dependable for reliable performance in the field

PGP Rotor Features

- Rubber cover with membrane-covered sockets keeps dirt out
- Through-the-top access makes adjustments easy in wet or dry conditions
- Click check arc/lap; forward provides quick verification of arc stop points
- Each head includes a rack of standard nozzles
- Factory installed nozzles available
- Rad. w/ adjustment of up to 25% means easy fine-tuning without changing nozzles
- Reversing full circle and part circle operation in one unit
- Proven, long-life water-lubricated gear drive
- Industry's most reliable and proven wiper seal
- Large dirty water screen that ends nozzle clogging

PGP Rotors

With a throw radius from 22 to 52 ft., a 2-year warranty, and a long list of features and add-ons, the PGP is available in two basic models:

PGP-AJZ

- Overall height: 7 3/8"
- Pop-up height: 4"
- Exposed diameter: 1 3/4"
- Inlet size: 3/4" female NPT

PGP-ATR

- Advanced Technology
- Replacement for impact rotors



- X-Core**
- Application: Residential
 - Number of Stations: 2, 4, 6, 8
 - Type: Fixed



- PCC**
- Application: Residential/Commercial
 - Number of Stations: 6, 9, 12, 15
 - Type: Fixed



- Pro-C**
- Application: Residential/Commercial
 - Number of Stations: 3 to 15
 - Type: Modular



- I-Core**
- Application: Commercial
 - Number of Stations: 8 to 42
 - Type: Modular



- DUAL for I-Core**
- Application: Commercial
 - Number of Stations: Up to 48
 - Type: Decoder



- ACC**
- Application: Commercial
 - Number of Stations: 12 to 42
 - Type: Modular



- ACC-99D Decoder**
- Application: Commercial
 - Number of Stations: 1 to 99
 - Type: Decoder



- Node**
- Application: Residential/Commercial
 - Number of Stations: 1, 2, 4, 6
 - Type: Battery Operated, Fixed



- WPM/WVC**
- Application: Residential/Commercial
 - Number of Stations: 1, 2, 4
 - Type: Battery Operated, Fixed



- XC Hybrid**
- Application: Residential/Commercial
 - Number of Stations: 6, 12
 - Type: Fixed



- SRV**
- Application: Residential
 - Size: 1"
 - Flow: 1 to 40 GPM



- PGV**
- Application: Residential/Light Commercial
 - Inlet / Outlet: 1", 1 1/2", 2"
 - Flow: 0.2 to 150 GPM



- ICD-HP**
- Application: Commercial
 - Type: Decoder Programmer



- Pump Start Relay**
- Application: Residential/Commercial
 - Type: Accessory



- PGV-JAR-TOP**
- Application: Residential
 - Size: 1"
 - Flow: 0.2 to 40 GPM



- PGV-ASV**
- Application: Residential
 - Size: 3/4", 1"
 - Flow: 0.2 to 40 GPM



- ICV**
- Application: Commercial/Municipal
 - Inlet / Outlet: 1", 1 1/2", 2", 3"
 - Flow: 0.1 to 300 GPM

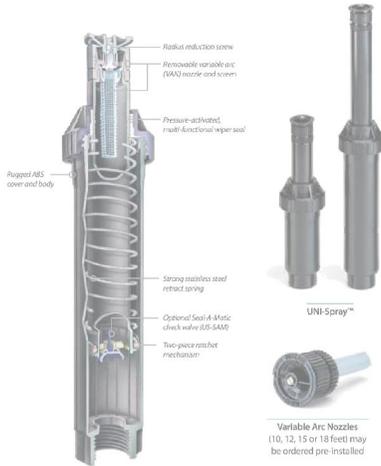


- IBV**
- Application: Commercial/Municipal
 - Inlet / Outlet: 1", 1 1/2", 2", 3"
 - Flow: 0.1 to 300 GPM



UNI-Spray™ Series

2", 4" (5.1 cm, 10.2 cm)



Rotors

3500 Series

0.37 to 0.83 in/hr
(9 to 21 mm/h)

25 to 55 psi
(1.7 to 3.8 bar)

0.54 to 4.6 gpm
(2.0 to 17.4 l/m)
(0.12 to 1.04 m³/h)

4" (10.2 cm)
Shrub: 7" (17.8 cm)
4": 6 1/4" (16.8 cm)
1/2" (20/27) NPT

5000 Series

0.20 to 1.01 in/hr
(5 to 26 mm/h)

25 to 65 psi
(1.7 to 4.5 bar)

0.76 to 9.63 gpm
(3.0 to 36.6 l/m)
(0.17 to 2.19 m³/h)

Shrub: 4" (10.2 cm)
6" (15.2 cm)
Shrub: 7 1/4" (19.7 cm)
4": 7 3/4" (18.5 cm)
6": 9 3/8" (24.5 cm)
1/2" (20/27) NPT

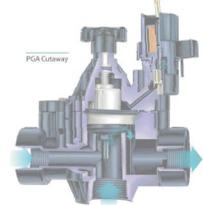
Controllers



ESP-Me Series Controller and Modules

PGA Series

1", 1 1/2", 2" (26/34, 40/49, 50/60) Plastic Globe/Angle Valves
The Toughest, Most Reliable Valves In their Class.



DV Series

3/4", 1" (20/27, 26/34) Plastic Residential Valves



100-DV



150-PGA

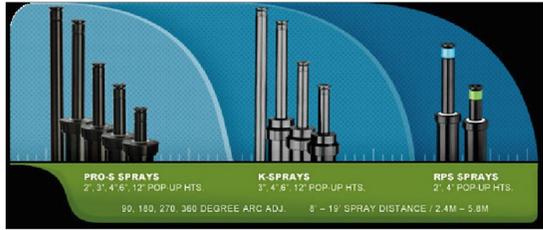
How To Specify

100 - PGA - PRS-D

Model
PGA
Optional Feature
PRS-D=ai: pressure
regulating module
(must be ordered
separately)

Size
100: 1" (26/34)
150: 1 1/2" (40/49)
200: 2" (50/60)

Note: Valve and PRS-D=ai module must be ordered separately. For non U.S. applications, it is necessary to specify NPT or BSP thread type.

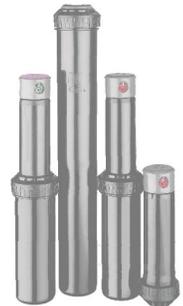


K-RAIN MINIPRO™

- Inlet - ½" Threaded NPT
- Arc Adjustment Range - 40 to 360 degrees
- Flow Range - .75 to 3.3 GPM
- Pressure Rating – 20 to 70 PSI
- Overall Height (Popped Down) - 6"
- Recommended Spacing – 17' to 28'

PROPLUS™

- Inlet -3/4" Female Threaded NPT
- Arc Adjustment Range - 40 to 360 degrees
- Flow Range - .5 to 10 GPM
- Pressure Rating – 20 to 70 PSI



PRO EX MODULAR CONTROLLER



- Number of programs: 3 independent
- Automatic Starts: 4 per program, Max 12 per day
- Station timing: 0 to 6 hours for all stations
- Independent programming schedules:

PROSERIES 150 VALVES

Heavy Duty, Corrosion and UV Resistant PVC Construction – Increases the life of the valve.

External Bleed Screw with Removable Metering Pin – Allows for easy cleaning of the metering pin without disassembling the valve.

Manual External Bleed Screw – Provides for manual operation in system start up.

Manual Internal Bleed through Solenoid – Provides for manual operation without discharging water outside the valve.

Captured Plunger – Allows for the solenoid to be removed without losing the internal plunger.

Removable Inlet Cap – Allows for easy conversion from globe to angle – style valve.

Flow Control – Allows for precise flow adjustment and manual shut-off.

Heavy-Duty Santoprene® Diaphragm – Unique design improves durability of diaphragm





spec P7190D-Rev 6

UNDERGROUND LOW ENERGY CIRCUIT CABLE SPT STYLE (PARALLEL)

INSULATION: PVC

SIZE: 18 AWG THRU 8 AWG - 2 CONDUCTORS



1.0 SCOPE:

1.1 This specification covers the construction requirements for two conductor underground low energy circuit cables for outdoor low voltage lighting. Construction consists of stranded uncoated annealed copper conductors, laid parallel and insulated with polyvinyl chloride. Listed by UL or ETL or CSA.

2.0 CONSTRUCTION:

2.1

SIZE AWG	STRANDING	INSULATION MIN AVE WALL (MILS)	NOMINAL DIMENSIONS (INCHES)
18	41/.0063"	45	.290 x .145
16	26/.0100"	45	.320 x .160
14	41/.0100"	45	.350 x .175
12	65/.0100"	45	.390 x .195
10	104/.0100"	45	.440 x .220
8	133/.0111"	60	.590 x .295

2.2 Conductors:

Bunch or rope stranded uncoated annealed copper conforming to UL requirements.

2.3 Assembly:

The two conductors are laid parallel and insulated. A continuous web shall keep the conductors together.

2.4 Insulation:

Black polyvinyl chloride conforming to Underwriters Laboratories Class 43 60°C thermoplastic, suitable for direct burial. One leg has a raised ridge for polarity.

2.5 Marking:

Plain leg of wire indent or ink printed: "Paige Electric Size AWG 2/C Underground Low Energy Circuit Cable Sunlight Resistant for Outdoor Lighting Listing file Number RoHS"

2.6 Testing:

2.6.1 Physically and electrically to Underwriters Laboratories miscellaneous wires.

2.6.2 Conductors must be able to be separated without showing copper and must still meet UL minimum wall requirements. Certification by QC that separation test was performed on each reel.

3.0 SPLICING RECOMMENDATIONS:

Wire splices are the weak link of any electrical circuit. It is especially important to make proper joints in landscape lighting systems because the joints are exposed to wet and damp environments that can cause corrosion of the copper conductor, premature failure, and fires. Paige Electric recommends the strict use of Model DBR/Y-6, as manufactured by the 3M Company (Paige specification P7364D) or Silicone-filled wire nuts as manufactured by IDEAL Industries (Paige specification P7372D)

