



ADRITEC
YOUR WAY

4 LANDSCAPE & TURF IRRIGATION SYSTEMS



Landscape & Turf Irrigation Systems

Components

4

4a1- Spray Heads & Nozzles

4a2- Rotors

4a3- Sensors

434- Valves

All the components of an irrigation system starting with the controller, valves, and sprinklers work together to ensure that gardens and green surfaces get the required watering in a very efficient way. Using efficiently operated smart products helps save water, labour and costs of operation.

Fixed - Sprayers

Pop- Up Sprinklers Series LSP, 570 (Z, ZLP, ZXF, ZPR & ZPRX)

The 570Z model fixed sprayer is ideal for small to medium size landscape areas and intricate designs. The PR and PRX models are mostly used for application with high or varying operating pressure and long irrigation line and slopes. The X-Flow feature in these sprayers helps restrict water loss by 99% if that head is damaged during operation.

Features

- Zero-flush seal prevents flushing on pop-up
- Several body sizes and shapes are available to satisfy different installation requirements
- 115 different nozzles provide great versatility in applying the right nozzle for the right application
- Ratcheting riser feature for easy and reliable arc adjustment
- Radius 2' - 26' (0.6 - 7.4 m)
- Flow 0.05 - 4.50 GPM (0.2 - 17 LPM)
- Recommended Operating Pressure 20 - 70 PSI (1.4 - 4.83 BAR)
- Maximum Operating Pressure 75 PSI (5.2 BAR)
- Inlet 1/2" (1.3 cm) female threaded
- Pop-Up Height 2", 3", 4", 6", 12" (5.1 cm, 7.6 cm, 10.2 cm, 15.2 cm, 30.5 cm)
- Body Diameter 1 3/8" (3.5 cm) except 12P - 1 5/8" (4.1 cm) & 12P SI - 1 3/4" (4.4 cm)

Pop - Up Sprinkler 570 Nozzles

Precision series also offer additional models to fit Irritrol, Rain bird Hunter sprayers

Model	Radius (m)	Arc	Flow Range (LPM)	Recommended Operating Pressure (Bar)
Precision Series Spray Nozzle	1.5 - 4.6 1.2 - 2.7 1.2 - 4.6 1.2 - 5.5 1.2 - 9.1	60°, 90°, 120° 150°, 180°, 210°	0.14 - 9.08	2.0
Precision Series Rotating Nozzle	4.3 - 7.9	45° - 270° Full Circle	1.43 - 14.3	2.8 - 3.5
MPR Plus	0.61 - 5.5	90°, 120°, 180° 240°, 270°, Full & Specialty	1.9 - 17.3	2.0
TVAN Nozzles	2.13 - 5.5	0° - 360°	2.65 - 21.2	2.0
Stream Sprayers	4 - 6.7	90° , 180°, Full Circle	2.3 - 10.2	2.0



SPRAY HEADS & NOZZLES

MPR Plus Spray Series Nozzles			
MPR Plus Spray Nozzles Series Model List			
Model	Description	Model	Description
(5') 1.5 m, MPR Plus Nozzles Red		(8') 2.4 m, MPR Plus Nozzles Green	
5Q	90° Arc	8Q	90° Arc
5T	120° Arc	8T	120° Arc
5H	180° Arc	8H	180° Arc
5TT	240° Arc	8TT	240° Arc
5TQ	270° Arc	8TQ	270° Arc
5F	360° Arc	8F	360° Arc
(10') 3 m, MPR Plus Nozzles Blue		(12') 3.7 m, MPR Plus Nozzles Brown	
10Q	90° Arc	12Q	90° Arc
10T	120° Arc	12T	120° Arc
10H	180° Arc	12H	180° Arc
10TT	240° Arc	12TT	240° Arc
10TQ	270° Arc	12TQ	270° Arc
10F	360° Arc	12F	360° Arc
(15') 4.5 m, MPR Plus Nozzles Black		Special Patterns Orange	
15Q	90° Arc	4SST	side srrip 1.2-6.1 m
15T	120° Arc	4EST	end srrip 1.2-4.3 m
15H	180° Arc	4CST	center srrip 1.2-6.1 m
15TT	240° Arc	9SST	side srrip 2.7-5.2 m
15TQ	270° Arc	4SSST	side srrip 1.2-5.2 m
15F	360° Arc	2SST	side srrip 0.2-1.8 m

TVAN Variable Arc Spray Series Nozzles
Features

- Easy grip top, makes arc adjustment from 0° to 360°

Super Funny Pipe

The Super funny pipe makes the job of installing a new system or replacing an old sprinkler a much easier and practical task. Rolls come in several lengths namely 20' (6m), 50' (16m), 100' (30.5m), and withstand pressure up to 120 psi (8.3 bar)

Super Funny Pipe Fittings & Swing Joints

* Several fittings & swing joints are available in different sizes and models that help in installing the funny pipe in an easy way.

Precision Rotating Series Nozzles

Based on the design of the world's leading gear-driven rotor for golf applications, the Precision Rotating Series Nozzles are powered by a proven gear drive and delivers wind-resistant, multistream multi-trajectory patterns.

Features

- Radius: 14' - 26' (4,3-8,0m)
- Operating Pressure Range: 20 - 75 psi (1,4-5,2 Bar)
- Arc Settings from 45°-360°
- Fit Toro® or Irritrol®, Rain Bird® and Hunter® Spray Bodies



When spray head sprinklers will not do the job, rotors will do it. Rotors are used for medium to large areas, when you do not want much sprinklers in your lawns or planting area, or you are looking for less maintenance & cost.

Model 4A2LSMRPP008 - Mini 8 Rotor Pop- Up Sprinkler

Features

- Top Arc indication
- Stainless steel radius adjustment screw. Allows up to 25% reduction.
- Pressure activated seal
- Ratcheting riser
- Five interchangeable nozzles
- Part and full circle in one nozzle
- Inlet size: ½" (13mm)
- Operating pressure range: 30 - 50 psi (2,0 - 3,4 Bar)
- Radius: 20' - 35' (6,1 - 10,7m)



Model 4A2LSMRPP300 - Multi-stream Rotor Pop- Up Sprinkler

The 300 Series Multi-Stream Rotor combines a highly distinctive way to irrigate with great reliability. Uniquely designed, the Multi Stream Rotors feature multiple rotating streams, a slower precipitation rate, and excellent wind resistance.

Features

- Unique multiple rotating streams
- Matched precipitation rate arc discs
- Choice of six nozzles and nine interchangeable arc discs
- A selection of pop-up heights



Model 4A2LSMRPP340 - Multi-stream Rotor Pop- Up Sprinkler

The 340 Series provides the same water saving distribution feature as the 300 Series, with a multi-stream rotor but for a higher pop-up 4" (100mm) and a slower rotation speed that increases the radius up to 33' (10,1m)

Features

- Inlet size: ¾" (20mm) for lawn and high-pop; ½"-¾" (13-20mm) for shrub
- Model
- Radius: 15'-33' (4,6 - 10,1m)
- Operating pressure range: 35 - 50 psi (2,4 - 3,5 bar)
- Unique multiple rotating streams
- Matched precipitation rate arc discs
- Choice of six nozzles and nine interchangeable arc discs
- A selection of body sizes



Model 4A2LSMRPP0T5 - Rotor Pop- Up Sprinkler

The new T5 series rotor has all the features to satisfy your basic irrigation needs with a few extras

Features

- Inlet size: ¾" (20mm)
- Operating pressure range: 25 - 70 psi (1,7 - 4,8 bar)
- Radius: 25' - 50' (7,6 - 15,2m)
- 5" (127mm) pop-up
- Standard rubber cover
- Nozzle tree
- Optional check valve
- Top adjust arc set



ROTORS

Model 4A2LSSRPP800 - Super Rotor Pop- Up Sprinkler

For everyday outstanding performance in a rotor. The super 800 series provides for all your watering needs

Features

- Inlet Size: ¾" (20mm)
- Radius 8.5 - 15.2 m
- Operating pressure 2 - 4.8 bars
- 5" pop-up height
- Arc indicator on top. Adjustments from 40 to 360°
- Smart Arc Memory. Returns sprinkler to previously set parameters if vandalied without damage
- Part & full circle in one sprinkler.
- SS. Radius adjustment screw allows up to 25% radius reduction



Model 4A2LSRTR50XT - Rotor Pop- Up Sprinkler

This Rotor is the ultimate sprinkler yet upgraded. The rotor can match the feature set of TruArc adjustment, smart Arc memory return, in addition to the X-Flow and trajectory technology.

Features

- Inlet Size: ¾" (20mm)
- Radius 8.5 - 14.6 m
- Operating pressure 2.1 - 4.8 bars
- Trajectory 5 - 25°
- X - Flow water shutoff device
- Exclusive trajectory adjustment
- TruArc for easy Arc set
- Smart Arc memory
- Standard reversible check valve, up to 2.4 m
- Below grade installation



Model 4A2LSMNRPPT7 - Rotor Pop- Up Sprinkler

The T7 Series Rotor is built rugged to withstand the harsh conditions & vandalism typical of municipal, public sports fields, or commercial rotor applications.

Features

- Inlet Size: 1" (25mm)
- Radius 14 - 25 m
- Operating pressure 2.8 - 7 bars
- Trajectory 25°
- Top Arc indication, 45° - 360°
- High efficiency nozzles
- Vandal & abuse resistance
- Check valve
- 7 Nozzles Tree
- Adjustment / pull up tools supplied



Model 4A2LSRPTR70P - Rotor Pop- Up Sprinkler

The TR70 Series Rotor includes innovative features - TruArc adjustment for easy arc set, Smart Arc memory to return to previous pattern, and a standard 5" pop up

Features

- Inlet Size: 1" (25mm)
- Radius 13.1 - 21.6 m
- Operating pressure 2.8 - 7 bars
- Trajectory 25°
- Top Arc adjustment indication, 30° - 360°
- Check valve, 3 m
- 7 Nozzles Tree



ROTORS

Model 4A2LSTR70XTP - Rotor Pop- Up Sprinkler

This Rotor is a sprinkler built for superior performance. It enjoys the same features and broad coverage of the 4A2LSRPTR70P, the XT version adds the X-Flow and Trajectory Technology as found in the 4A2LSRTR50XT.

Features

- Inlet Size: 1" (25mm)
- Radius 9.1 - 20.7 m
- Operating pressure 2.8 - 7 bars
- Trajectory 5° - 25°
- Top Arc adjustment indication, 30° - 360°
- Check valve, 3 m
- 7 Nozzles Tree



Model 4A2LSRPPS640 - Rotor Pop- Up Sprinkler

The 640 Series Rotor is the proven veteran for athletic fields, parks, campuses and commercial sites

Features

- Inlet Size: 1" (25mm)
- Radius 14 - 20.0 m
- Operating pressure 2.8 - 6.2 bars
- Trajectory 27°
- Top Arc adjustment indication, 30° - 360°
- Check-O-Matic, Check valve 4.6 m
- Normally open valve in head
- Selection of 5 nozzles & 12 arcs



Model 4A2LSRPPTS90 - Rotor Pop- Up Sprinkler

The TS90 Series Rotor is for big spaces, it provides unparalleled features and performance in a single fully adjustable rotor

Features

- Inlet Size: 1" (25mm)
- Radius 16.2 - 29.0 m
- Operating pressure 2.8 - 7 bars
- Trajectory 3° - 30°
- Top Arc adjustment indication, 30° - 360°
- Part - and full circle in one sprinkler
- 3 Nozzles configuration
- Ratcheting riser, allows you to adjust the riser position in the body with no disassembly.
- Back nozzle capable. Perfect for perimeter of sports fields. It provides the flexibility for fine tuning any watering requirement
- Constant - Velocity Drive. Provides reliable rotation speed from sprinkler to sprinkler



Model 4A2LSRPPS690 - Rotor Pop- Up Sprinkler

For 40 years the 690 series has set the standard for durability & reliability in commercial applications. It is extremely rugged, constructed of brass and stainless steel.

Features

- Inlet Size: 1 1/2" (37mm)
- Radius 26.5 - 33.0 m
- Operating pressure 5.5 - 10.3 bars
- Trajectory 3° - 30°
- Fixed Arc Drives, 9 fixed arc drive assemblies ensure positive retention of the coverage with no arc dirt
- Check - O - Matic, check valve up to 11.2 m
- Electrical valve in head solenoid, 24 vac, 50/60 Hz, Holding : 60 Hz 0.2 amps. Inrush : 60 Hz, 0.3 amps
- Constant - Velocity Drive. Provides reliable rotation speed - from sprinkler to sprinkler.



Sensors measure several factors that affect landscape water needs. Among them are temperature, rain, soil moisture and wind. Sensors also help to manage irrigation by monitoring your system for signs of malfunction.

TFS (Flow Sensors)

Effective Flow Monitoring even in flows less than 5 GPM (19 LPM) compatible with competitive controllers such as the TMC-424e, TIS-PRO, Sentinel and Site Pro. The TFS flow sensors work with any controller or control system compatible with frequency output flow sensors.

Code	Diameter	Flow LPH
4A3LSTFS0050	1/2" (13mm)	4.5 - 45
4A3LSTFS0075	3/4" (20mm)	10.2 - 65
4A3LSTFS0100	1" (25mm)	18.9 - 189
4A3LSTFS0150	1 1/2" (37mm)	18.9 - 379
4A3LSTFS0200	2" (50mm)	38 - 757
4A3LSTFS0300	3" (75mm)	76 - 1135
4A3LSTFS0400	4" (100mm)	151 - 1892



Wired Rain Sensors

Model 4A3RAINSENDR

Features

- Wired Rain and Rain/Freeze Sensor
- Normally-Open or Normally-Closed
- Compatible with many controllers by several manufacturers of controllers
- Maintenance Free Hygroscopic Discs
- 25 Feet of UV-Resistant Cable
- Three Mounting Options



A solenoid valve is an electromechanical valve for use with liquids. The valve is controlled by an electric current through a solenoid; in the case of a two-port valve the flow is switched on or off; in the case of a three-port valve, the outflow is switched between the two outlet ports. Multiple solenoid valves can be placed together on a manifold.

Model 4A4LSVLEZ341

Easy to install and easy to service, these valves are ideal for residential applications. Available in a broad range of configurations giving the user the flexibility of application.

Features

- 3/4" (20mm), 1" (25mm)
- Electric
- Jar-Top Design
- PVC, Glass-Filled Nylon and Stainless Steel Construction
- Double-beaded, Chloramine and Ozone-Resistant
- Santoprene® Diaphragm
- In-Line or Anti-Siphon Models
- Optional Flow Control



Model 4A4LSVLPV01

Economically priced residential valve, the TPV series 1" (25mm) valve is a rugged, debris-resistant valve with flow ranges from 0.1 to 40 GPM (0,38 - 151 LPH), making it ideal for use with drip to high flow residential and light-commercial applications

Features

- Drip to high-flow residential and light commercial applications.
- Multiple Body Styles
- Wide Range of Flows and Pressure
- Robust Solenoid Design



Model 4A4LSVLHD250

Model 4A4LSVLHD260

Model 4A4LSVLHD254

Model 4A4LSVLHD264

The heavy duty 250/260 and 254/264 Series Valves are made to withstand a large residential or light commercial application.

Features

- 3/4" (20mm) and 1" (25mm)
- Electric/Hydraulic
- Heavy-Duty Solenoid
- Optional Flow Control
- Various Inlet and Outlet Choices
- Single-Piece Robust Rubber Diaphragm
- Tough, Glass-Filled Zytel Cap And Body



Model 4A4LSVL25225

Model 4A4LSVL25238

Model 4A4LSVL25250

The 252 series valves are built tough and ready to withstand the harshest conditions in any commercial application. It has many configurations to choose from, and is available in electrical or hydraulic valves.

Features

- 1" (25mm) , 1.5" (38 mm), 2" (50 mm)
- Electric or hydraulic
- Globe & angle configurations.
- PVC, Glass-Filled Nylon and Stainless Steel Construction, and ABS.
- Double-beaded, Chloramine and Ozone-Resistant Santoprene® Diaphragm
- Flow Control handle

VALVES

Model 4A4LSVP22025
Model 4A4LSVP22050
Model 4A4LSVP22075

The P220 series valves is constructed of heavy-duty, glass filled nylon material, with a high consistency to withstand pressure up to 15 bars.

Features

- Diameters 1" (25mm) , 1.5" (37 mm) , 2" (50 mm) & 3" (75 mm)
- Electric Pressure regulating valve & globe and angle configuration
- PVC, Glass-Filled Nylon and Stainless Steel Construction and ABS, tolerates high pressure up to 15 bars
- Double-beaded, Chloramine and Ozone-Resistant Santoprene Diaphragm
- Flow Control handle and Pre-Installed Schrader valve
- Optional Spike - guard solenoid, reduces wires size, allows twice as many valves to run simultaneously on transformer and lower power cost.
- Filter screen on up stream of 2" & 3" models



Model 4A4LSVP22050 - Scribbler Valve
Model 4A4LSVP22075 - Scribbler Valve

A true dirty water irrigation valve, able to handle chlorine and other chemicals found in reclaimed and other non-potable water systems.

Features

- 2" (50 mm) & 3" (75 mm)
- Electric
- Pressure regulating valve with Globe and Angle configurations
- PVC, Glass-Filled Nylon and Stainless Steel Construction and ABS, tolerates high pressure up to 15 bars and ABS, tolerates pressure up to 15 bars
- Fabric - reinforced EPDM Diaphragm
- Flow Control handle
- Schrader valve Pre-Installed
- Optional Spike - guard solenoid, reduces wires size, allows twice as many valves to run simultaneously on transformer, and lowers power cost.
- Filter screen on up stream of 2" & 3" models



Model 4A4LSBV22025 - Brass Valve
Model 4A4LSBV22031
Model 4A4LSBV22037
Model 4A4LSBV22050
Model 4A4LSBV22075

Built for superior performance under pressure from heavy duty brass and stainless steel. These Valves are rugged and reliable. The debris-resistant design is tested and proven under the harshest conditions

Features

- 1" (25 mm) , 1 1/4" (31 mm) , 1 1/2" (37 mm) , 2" (50 mm) & 3" (75 mm)
- Electric
- Pressure regulating valve
- Globe & angle configurations
- Fabric - reinforced EPDM Diaphragm
- Flow Control handle
- Schrader valve Pre-Installed
- Optional Spike - guard solenoid, reduces wire size, allows twice as many valves to run simultaneously on transformer, and lowers power cost.
- Filter screen on up stream, 120 mesh



Quick Coupling

Model 4A4LSQC00020
Model 4A4LSQC00025

The quick coupler valves are designed for dye able everyday use in projects requiring quick remote water access to the mainline water supply

Features

- 3/4" (20 mm) and 1" (25 mm)
- Standard Vinyl, Effluent
- Stain less steel & brass construction

