

2022

Product Catalog



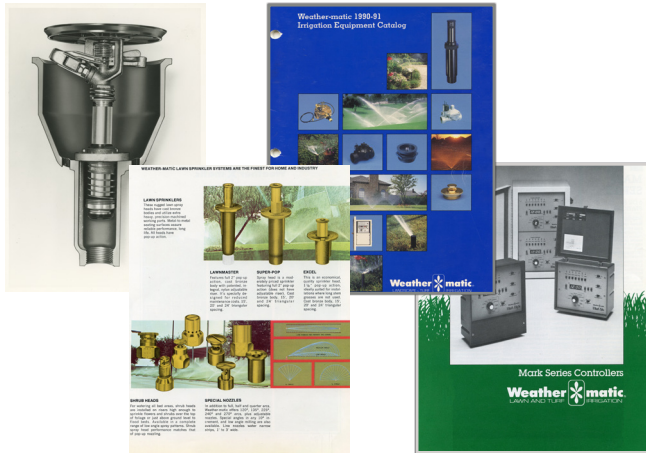
As we celebrate our 77th year in business, we are filled with thankfulness – to God, to our customers, employees, and suppliers – who collectively make the Weathermatic story an enduring one through trials and triumphs, radical technology changes, pandemics, economic booms and bust, the wet years and the dry. Since our foundation as Texas Lawn Sprinkler Company in 1945 by Max Snoddy, we have always been a pioneering company that has helped shape the industry and impacted thousands of lives.

Embarking on the journey ahead, we are inspired by our mission to change the way you, our industry, and property owners value our most precious resource: water. In the year 2022, we can no longer afford for water to be an afterthought or suffer from waste due to inferior technology and poor management practices. By **putting water first, in design, installation, and maintenance**, we partner with you to maximize water efficiency and elevate our industry to leadership in sustainable water management.

With over 600,000 SmartLine® control systems installed across 85 countries and saving billions of gallons of water, we focus on an even **higher purpose: saving lives**. This driving passion at Weathermatic has led us to be intentional in our giving through the **Weathermatic Foundation**. Our non-profit foundation creates the opportunity for Weathermatic and our partners to dedicate our financial resources and time to saving lives through water projects in the developing world. We have brought clean water to save the lives of over 25,000 people in over 90 communities from El Salvador to Nicaragua to Sierra Leone.

As you turn the pages of this catalog, you will see how virtually every Weathermatic product contributes to saving lives through our **“Save Water. Give Life.”** mission. We are giving you, our customers, ownership of your impact by designating a specific number of gallons given for every product purchased. As Weathermatic grows, so will our giving. **Together as partners and through God’s grace, we will save 125,000 lives through the gift of safe, clean water. In life, just as in business, we live and work with purpose. WATER WITH PURPOSE!**





A Legacy of Industry Firsts

- First milled MPR spray nozzle
- First electric diaphragm valve
- First commercially available companion electric controller
- First reverse flow valve – a Weathermatic hallmark
- First solid state controller – the forerunner of all current industry micro-processor technology
- First plastic body sprinkler
- First rain shutoff device
- First soil moisture sensors for irrigation
- First educational training program for irrigation

Today Weathermatic continues its innovative spirit with the most advanced technology available. In fact, this **2022 catalog brings forth the broadest line of equipment and software in our 77 history** by virtue of our investment in product development and the integration of **Signature Controls** whose roots go back to 1911 with brands including **Nelson Turf, Bear Golf, and Thompson Irrigation**. All of these advancements translate to greater conservation and superior value through increased performance and service for our customers. As we continually innovate, may we always stay true to the words of our founder Max Snoddy's original vision statement: "Our quality is integrity: of our people, of our design, and of our manufacturing."

Thank you for your business, loyalty and support over the last 77 years.

We look forward to many more!



Get to know Weathermatic...

You don't just buy a product; you buy the company and everything it represents. Before exploring the product catalog, we ask that you take a moment to get to know us first.

"Providing clean drinking water to save the lives of those who lack this basic necessity is a natural expression of our mission and values."

Mike Mason
CEO, Weathermatic



Mission

Save Water. Give Life.

Vision

We will inspire our landscape and distribution partners to **water with purpose.**

We will **provide clean water** to save lives of people in the greatest need.

We will build our business as a family - teaching how to live an inspired life in accordance with our values.

Values

Integrity - demonstrating Godly character in all we do

Generosity - expanding as we grow

Creativity - discovering novel solutions beyond the obvious

Passion - living and working with purpose above self interest

Perseverance - facing challenges as opportunities for growth

The 3 C's: Guiding Principles of Our People

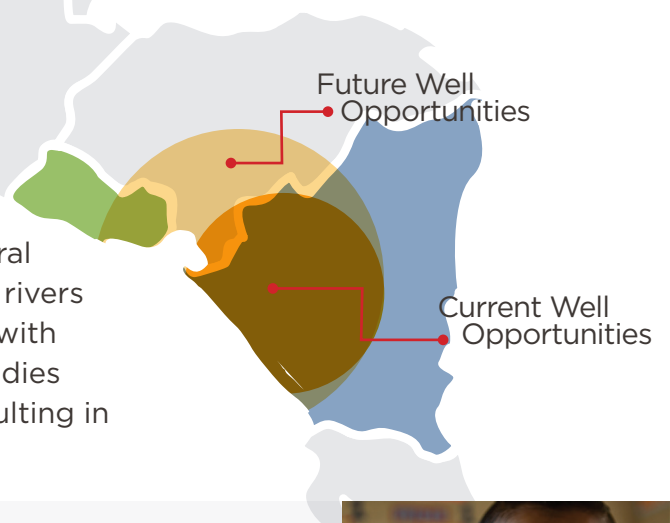
Character - exhibiting high moral character and integrity every day as we live out our values

Competency - possessing and continually developing the talent, skills, and ability to execute with excellence

Chemistry - performing as a supportive, proactive team player, always contributing to a positive, optimistic spirit

People Need Clean Water

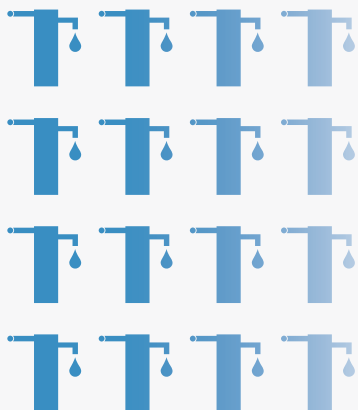
Over 600 million people, including hundreds of thousands in Central America, lack access to clean water and adequate sanitation. Many families in rural communities still collect water from contaminated rivers or other unprotected groundwater sources. Even with great progress, still today in the year 2022, a child dies every 60 seconds due to water borne illnesses resulting in 1 in 5 children not living to their 5th birthday.



Progress is Paramount

Weathermatic and our partners have already completed clean water projects in countries from El Salvador to Nicaragua to Sierra Leone. Together we've impacted schools, villages, and churches to save over 25,000 lives in 90 communities and counting in places like San Luis, San Marcos, Rio Medina, Maximino Barreto, Semilla de Esperanza - to name a few. With your participation, we can do more - much more. Let's partner to save 125,000 lives!

 = 1 well provides over 72 MILLION gallons of clean, fresh water!



= Our Wells provide over 5 BILLION gallons so far.



To make a tax deductible donation visit weathermatic.com/donate or use the camera on your mobile device to scan the QR Code below.



Join Us Today - Purchase and Donate

You can help make a difference by purchasing Weathermatic products through the Products with Purpose campaign shown throughout the catalog, and through a tax-deductible donation to the Weathermatic Foundation. Your purchases and donations will go directly to funding new water projects to deliver clean water directly to those who desperately need it the most.

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CONTROLLERS OVERVIEW

ProLine®



Affordable controller with professional features
Advanced programming features

SmartLine®



Two controllers in one with two modes:
Basic and Smart
ET Based scheduling
SmartLink compatible

SoloRain®



Battery powered
Valve mounted
Single zone

	PL800	PL1600	PL4800	SL1600	SL4800	SL620	SL9600	8014ESR-SOLORAIN
Base # of Zones	4	4	12	4	12	20	48 Fixed 96 Fixed	1
Maximum # of Zones	8	16	48	16	48	20	48/96	1
Compatible Expansion Modules	SLM2	SLM4 SLM12-1600	SLM12-4800	SLM4 SLM12-1600	SLM12-4800	–	–	
Outdoor Rated	Indoor only	✓	✓	✓	✓	✓	✓	✓
Electrical	120VAC	120VAC	120VAC	120VAC	120VAC	120VAC	120VAC	3.6V Lithium Battery
Lock		✓	✓	✓	✓	✓	✓	
Programs	4	4	4	4	4	4	4	6
Start Times	8	8	8	8	8	8	8	1
Simultaneous Solenoid Operation	3	3	5	3	5	5	5	1
SmartLink Compatible				✓	✓	✓	✓	
Backlit LCD		✓	✓	✓	✓	✓	✓	
SmartWire Compatible							✓	
ET Based Scheduling				✓	✓	✓	✓	
See Page	page 2-3			page 5-7				page 12



PL800

Indoor Controller

DIMENSIONS

7" W x 7 3/4" H x 1 3/4" D
17.8 cm x 19.7 cm x 4.4 cm

ELECTRICAL

Input: 120 VAC/60Hz
Output: 24 VAC/750mA
Fuse: 1.0A slow blow



PL1600

DIMENSIONS

9 1/8" W x 10 1/2" H x 4" D
23.2 cm x 25.7 cm x 10.2 cm

ELECTRICAL

Input: 120 VAC/60Hz
Output: 24 VAC/1.6 Amps
Fuse: 1.0A slow blow



PL4800

DIMENSIONS

15" W x 16 1/2" H x 5 7/16" D
38.1 cm x 41.9 cm x 13.8 cm

ELECTRICAL

Input: 120 VAC/60Hz
Output: 24 VAC/2 Amps
Fuse: 1.5A slow blow



ProLine® Specifications

MODEL	DESCRIPTION (INDOOR/OUTDOOR)	INCREASE ZONE COUNT	INTERNATIONAL MODEL
PL800	4-Zone Base Model (Indoor)	SLM2 - 2 Zone / up to 8 Zones	E-PL800
PL1600	4-Zone Base Model	SLM4 - 4 Zone / up to 16 Zones SLM12-1600 - 12 Zone / up to 24 Zones	E-PL1600
PL1620	20-Zone Fixed Model	N/A	E-PL1620
PL4800	12-Zone Base Model	SLM12-4800 - 12 Zone / up to 48 Zones	E-PL4800





BASIC FEATURES

- 4 independent programs: each stacks or can operate simultaneously
- 8 start times per program
- Indoor/outdoor rated
- 5 user selectable languages
- Zone run times settable from 1 min. to 9 hrs. 55 min.
- Rain/freeze sensing on/off button with tri-color LED indicator
- Rain delay of 1 - 7 days
- RFS5 Rain/Freeze Sensor rain delay programmable from 0 - 99 hours
- Seasonal % adjust by program, by month
- Omit time of day window, day(s) of week, and up to 7 calendar dates
- Programmable zone-to-zone delay 1 min. - 3 hrs.
- Watering days: custom days of the week, odd/even, or interval days
- Run/Soak cycles by program
- Large backlit LCD display
- Non-volatile memory - with no battery required
- Internal transformer with pre-installed 6' line cord (PL1600, PL1620 only)
- Simultaneous solenoid operation: 3 solenoids (PL800/PL1600), 5 solenoids (PL4800)

MANUAL OPERATION

- Manual test runs each zone with zone run times from 10 sec. - 10 min.
- Manual zone operation of a single zone (1 min. to 9 hrs. 55 min.)
- Push button manual start of a program from control panel

ON-SITE DIAGNOSTIC/TROUBLESHOOTING FEATURES

- Fault review displays all faults, including open and shorted zones
- Test function using on-board multi-meter
- Built-in valve locator
- Backtrack Stored Program™

ADDITIONAL FEATURES

- Zone-to-zone delay
- Master valve timing sequence with zone valve programmable
- Master valve/pump start operation assignable on/off by zone
- Clear program function
- Clear all function
- Grow-in program
- Two independently programmed master valves
- Normally open or normally closed master valve operation
- Real time milliamp display

NO OTHER CONTROLLER OFFERS THESE UNIQUE FEATURES:	ProLine®	Other Contollers
Self-Leveling Bracket (PL1600)	✓	✗
Minimum 10-Second Manual Zone Test	✓	✗
Omit Dates	✓	✗
Valve Locator	✓	✗
Grown-In Program	✓	✗
Sensor Input (Wind/Soil) Position Selectable by Zone	✓	✗
Upgradable to On-Site Smart Weather-Based Control	✓	✗
Lightning Warranty	✓	✗





RFS5

Wireless Rain/Freeze Sensor

FEATURES

- Compatible with both ProLine® and SmartLine® controllers
- Rain shut-off settable from 1/8 - 1" (3 - 25 mm)
- Extended rain delay adds time to rain events before deficits begin to accumulate
- Unit can be mounted in sunlight or shade and in close proximity to the roof-line
- On-board diagnostics indicate battery and communication status
- Remote battery strength measurement from the SmartLine® or ProLine® controller

- 10-Year battery life (AAA lithium)
- Adjustable arm metal bracket for gutter thumb-screw or wall mount
- Operates on 900MHz frequency for superior range and reliability
- Maximum wireless distance from controller to sensor is 1500' (457 m) line of site.
- SLHUB-RF-5 wireless hub included with RFS5
- Freeze shut-off activated at 37°F (3.0°C)



RFS5 Specifications

MODEL	DESCRIPTION
RFS5	Wireless Rain/Freeze Sensor 900 mhz - 1500' Line of Site Range
RFSHUB-5	Wireless Receiver - Included with RFS5



420GLS

Wired Rain/Freeze Sensors

FEATURES

- Rain shut-off settable from 1/8- 1" (3 - 25 mm)
- Tough UV-stabilized plastic housing
- Replaceable absorptive disks
- No-rust extruded aluminum bracket - mounts anywhere
- UL-listed watertight switch provides years of reliable service works with virtually all 24VAC controllers
- Each unit factory tested
- 35 feet of cable provided



Sensor Specifications

MODEL	DESCRIPTION
420GLS	Wired Rain Sensor (20' of cable)



SMARTLINE® CONTROLLER

SmartLine®
The Smart Irrigation Controller



SL1600

DIMENSIONS

9 1/8" W x 10 1/2" H x 4" D
23.2 cm x 25.7 cm x 10.2 cm

ELECTRICAL

Input: 120 VAC/60Hz
Output: 24 VAC/1.6 Amps
Fuse: 1.0A slow blow



SL4800

DIMENSIONS

15" W x 16 1/2" H x 5 7/16" D
38.1 cm x 41.9 cm x 13.8 cm

ELECTRICAL

Input: 120 VAC/60Hz
Output: 24 VAC/2 Amps
Fuse: 1.5A slow blow



SmartLine® Specifications

MODEL	DESCRIPTION (INDOOR/OUTDOOR)	INCREASE ZONE COUNT	INTERNATIONAL MODEL
SL1600	4-Zone Base Model	SLM4 - 4 Zone / up to 16 Zones SLM12-1600 - 12 Zone / up to 24 Zones	E-SL1600
SL1620	20-Zone Fixed Model	N/A	E-SL1620
SL4800	12-Zone Base Model	SLM12-4800 - 12 Zone / up to 48 Zones	E-SL4800



SmartLink® Bundles with 1 Year Service Plan (includes controller, all station modules, SLW5 weater station and SmartLink aircard)

MODEL	DESCRIPTION
SL1616-1YR-BDL-MINA	SL1616 1 Year Bundle with 16 Zones for LTE CAT M1 Cellular Network
SL1616-1YR-BDL-FLOW-MINA	SL1616 1 Year Bundle with Flow with 16 Zones for LTE CAT M1 Cellular Network
SL4824-1YR-BDL-MINA	SL4824 1 Year Bundle with 24 Zones for LTE CAT M1 Cellular Network
SL4824-1YR-BDL-FLOW-MINA	SL4824 1 Year Bundle with Flow with 24 Zones for LTE CAT M1 Cellular Network
SL4848-1YR-BDL-MINA	SL4848 1 Year Bundle with 48 Zones for LTE CAT M1 Cellular Network
SL4848-1YR-BDL-FLOW-MINA	SL4848 1 Year Bundle with Flow with 48 Zones for LTE CAT M1 Cellular Network

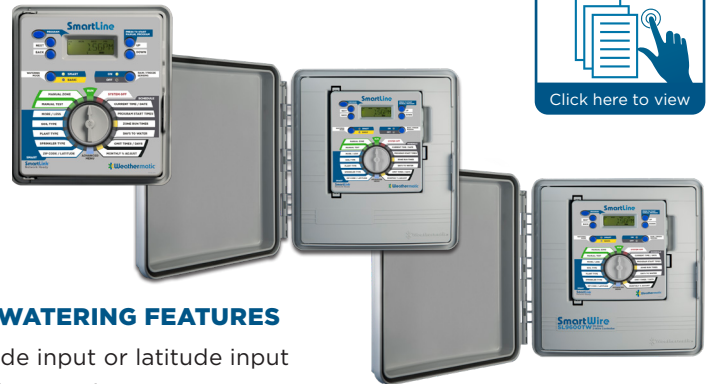


SmartLine®

The Smart Irrigation Controller

FEATURES APPLY TO ALL CONTROLLERS:
SL1600, SL4800 AND SL9600TW

SmartLink®
Network Ready



BASIC FEATURES

- Upgradable to SmartLink® web-based access (SL1600/SL4800) See page 17
- 4 independent programs - each stacks or can operate simultaneously
- 8 start times per program
- Indoor/outdoor rated
- Zone run times settable from 1 min. to 9 hrs. 55 min.
- Rain/freeze sensing on/off button with tri-color LED indicator
- Rain delay of 1 - 7 days
- SLW5/SLW1 Weather Station rain delay programmable from 0 - 99 hours
- Seasonal % adjust by program, by month
- Omit time of day window, day(s) of week, and up to 7 calendar dates
- Programmable zone-to-zone delay 1 min. - 3 hrs.
- Watering days: custom days of the week, odd/even, or interval days
- Run/Soak cycles by program
- Large backlit LCD display
- Non-volatile memory - with no battery required
- Internal transformer with pre-installed 6' line cord (SL1600, SL1620 only)
- 2 simultaneous watering modes: basic mode and smart mode. Each zone can run in either mode independent of other zones, even in the same program.
- Basic mode: user controlled conventional operation
- Smart mode: daily automatic programming adjustments
- 5 user-selectable languages
- Simultaneous solenoid operation: 3 solenoids (SL1600), 5 solenoids (SL4800)

SMART WATERING FEATURES

- ZIP Code input or latitude input
- Sprinkler type input
- Plant type input
- Soil type input
- More/less ET tuning
- Watering run times
- Review menu displays accumulated ET deficits by zone
- Display maximum run time and minimum soak time
- Displays temperature readings (daily high/low) for previous 5 days
- Accumulates total run times by zone from the last reset date
- Clear deficits for all zones
- Extended rain delay programmable from 0 - 99 hours

MANUAL OPERATION

- Manual test runs each zone with zone run times from 10 sec. - 10 min.
- Manual zone operation of a single zone (1 min. to 9 hrs. 55 min.)
- Push button manual start of a program from control panel

ON-SITE DIAGNOSTIC/TROUBLESHOOTING FEATURES

- Fault review displays all faults, including open and shorted zones
- Test function using on-board multi-meter
- Built-in valve locator
- Backtrack Stored Program™

ADDITIONAL FEATURES

- Zone-to-zone delay
- Master valve timing sequence with zone valve programmable
- Master valve/pump start operation assignable On/Off by zone
- Clear program function
- Clear all function
- Grow-in program
- Two independently programmed master valves
- Normally open or normally closed master valve operation
- Real time milliamp display
- Flow sensor data review (requires SmartLink® Aircard)
- Real time flow display (requires SmartLink® Aircard)

SMARTWIRE 2-WIRE SYSTEM



SL9600TW

DIMENSIONS

15" W x 16 1/2" H x 5 7/16" D
38.1 cm x 41.9 cm x 13.8 cm

ELECTRICAL

Input: 120 VAC/60Hz
Output: 24 VAC/2 Amps
Fuse: 1.5A slow blow



SmartLink®
Network Ready

FEATURES

The SmartWire™ 2-Wire Decoder System has the same rich, user-friendly features as the market leading SmartLine® controller. See page 7 for full list of features.

DECODER MODULE FEATURES

- Compatible with SmartLink®
- Connections for up to 3 different 2-Wire paths for maximum installation flexibility
- LED display and status lights for programming, operation status, and troubleshooting with error codes
- Programs and operates SmartWire™ SLDEC Series decoders

WARRANTY

- 3 Years - SmartWire when used with SLWIRE, SLCONN connectors
- 2 Years - SmartWire when used without SLWIRE



SmartWire™ Specifications

MODEL	DESCRIPTION	INTERNATIONAL MODEL
SL9648TW	SmartWire 48-zone 2-Wire Fixed Zone Count	E-SL9648TW
SL9696TW	SmartWire 96-zone 2-Wire Fixed Zone Count	E-SL9696TW

230 VAC/50Hz

SmartLink® Bundles with 1 Year Service Plan (includes controller, all station modules, SLW5 weather station and SmartLink aircard)

MODEL	DESCRIPTION
SL9648TW-1YR-BDL-M1NA	SL9648 1 Year Bundle with 48 Zones for LTE CAT M1 Cellular Network
SL9648TW-1YR-BDL-FLOW-M1NA	SL9648 1 Year Bundle with Flow with 48 Zones for LTE CAT M1 Cellular Network
SL9696TW-1YR-BDL-M1NA	SL9696 1 Year Bundle with 96 Zones for LTE CAT M1 Cellular Network
SL9696TW-1YR-BDL-FLOW-M1NA	SL9696 1 Year Bundle with Flow with 96 Zones for LTE CAT M1 Cellular Network



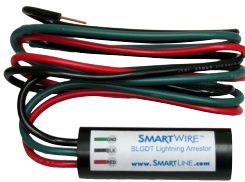
SMARTWIRE 2-WIRE SYSTEM



SLDEC Valve Decoder



SLGDT Lightning Arrestor



SLCONN Splice Kit



DECODER FEATURES

- 1, 2, and 4 valve decoders available
- Decodes signals from controller to open and close valves
- Input voltage 24 – 28 volts from 2-Wire path
- Shock resistant
- Surge protection
- Fully programmable for valve addresses using on-board controller programming feature
- Freeze/heat resistant (-20° to 60°C)
- 14 gauge PVC-coated connecting wires
- Sealed electrical components for protection from water and dirt
- Operates valves to a maximum of 100' (30m) from decoder
- Diagnoses and reports failed solenoids
- Auto shut-down if communication is lost

WIRING SIZES

Straight line configuration, i.e. wire distance to the furthest decoder, no loop:

Wire Size (Gauge)	#18	#16	#14	#12
Wire Length (ft)	1,000	2,000	4,000	6,000
Wire Length (m)	305	610	1,210	1,829

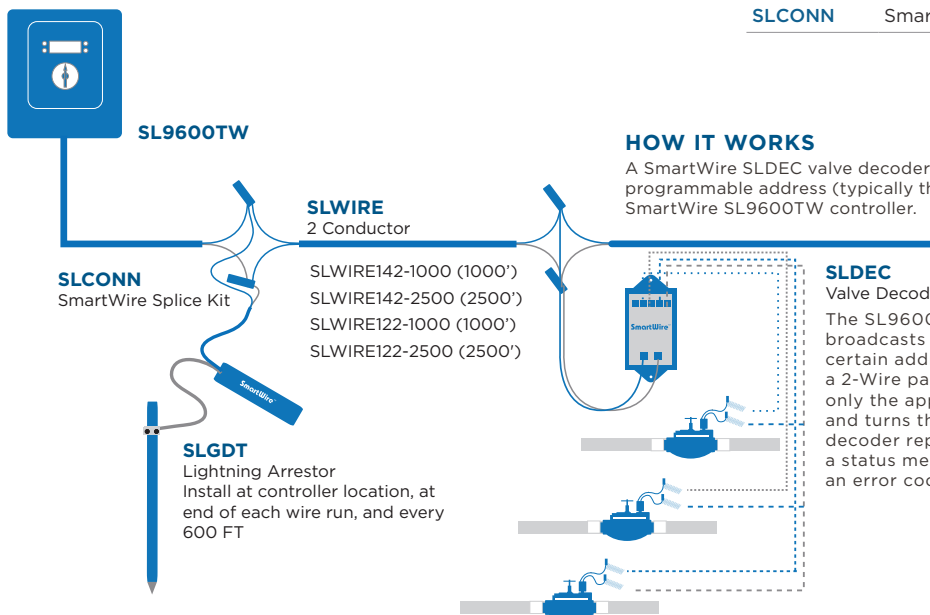
Loop configuration, i.e. wire distance to the furthest decoder in the loop:

Wire Size (Gauge)	#18	#16	#14	#12
Wire Length (ft)	2,000	4,000	10,000	10,000
Wire Length (m)	610	1,210	3,048	3,048

Maximum total wire path length is 10,000 ft. (3,048 m).

SmartWire Specifications

MODEL	DESCRIPTION
SLDEC1	1-Valve Decoder
SLDEC2	2-Valve Decoder
SLDEC4	4-Valve Decoder
SLGDT	Lightning Arrestor
SLCONN	SmartWire Splice Kit



HOW IT WORKS

A SmartWire SLDEC valve decoder is wired to each valve. Each decoder has a programmable address (typically the zone number), which identifies it to the SmartWire SL9600TW controller.

SLDEC Valve Decoder

The SL9600TW 2-Wire controller broadcasts a command to activate a certain address or zone. All decoders on a 2-Wire path "decode" the message, but only the appropriate decoder responds and turns the attached valve on or off. The decoder reports back to the controller with a status message of positive operation or an error code.



SLW5

Wireless Weather Station

FEATURES

- Microprocessor records and processes weather data for use in establishing “Smart” auto adjust run times on any SmartLine® controller
- Rain shut-off settable from 1/8 - 1” (3 - 25 mm)
- Extended rain delay adds time to rain events before deficits begin to accumulate
- Rain events decrement current deficits in the SmartLine® controller
- Freeze shut-off activated at 37°F (3.0°C)
- Protective white solar shields allow normal air flow while protecting sensor from direct sunlight for accurate temperature readings and eliminating the need for regular cleaning and maintenance of the weather station
- Unit can be mounted in sunlight or shade and in close proximity to the roof-line

- Maximum wireless distance from controller to weather station is 1500’ (457 m) line of site.
- SLHUB-RF-5 wireless hub included with SLW5
- On-board diagnostics indicate battery and communication status
- Remote battery strength measurement from the SmartLine® controller
- 10-Year battery life (AAA lithium)
- Adjustable arm metal bracket for gutter thumb-screw or wall mount
- Operates on 900MHz frequency for superior range and reliability



SLW5 Specifications

MODEL	DESCRIPTION
SLW5	Wireless Weather Station for ET Based Watering - 1500’ Line of Site Range
SLHUB-RF-5	Wireless Receiver - Included with SLW5



SLW1

Wired Weather Station



FEATURES

- Microprocessor records and processes weather data for use in establishing “Smart” auto adjust run times on any SmartLine® controller
- Rain shut-off settable from 1/8 - 1” (3 - 25 mm)
- Extended rain delay adds time to rain events before deficits begin to accumulate
- Rain events decrement current deficits in the SmartLine® controller
- Freeze shut-off activated at 37°F (3.0°C)
- Protective white solar shields allow normal air flow while protecting sensor from direct sunlight for accurate temperature readings and eliminating the need for regular cleaning and maintenance of the weather station
- Unit can be mounted in sunlight or shade and in close proximity to the roof-line
- On-board diagnostics indicate battery and communication status
- Adjustable arm metal bracket for gutter thumb-screw or wall mount
- Wired directly to the SmartLine® controller via the 35 feet of included cable

SLW1 Specifications

MODEL	DESCRIPTION
SLW1	Wired Weather Station for ET Based Watering, 35ft of cable provided



MORE POWERFUL, MORE AFFORDABLE, MORE EFFICIENT. IT'S JUST SMARTER.

Our diehard fans love that the SmartLine® feature set exceeds that of most high-end controllers, yet was engineered to make ET-based water management affordable for any size project. WaterSense-labeled SmartLine® controller and weather station bundles are independently certified to be 20% more water efficient than similar products on the market. Over 600,000 SmartLine® controllers installed world-wide are saving billions of gallons of water every year.



SL1600 Series with Weather Station



SL4800 with Weather Station



MODEL	DESCRIPTION
SL1604-SLW1	SL1600, 4 zones, with SLW1 Wired Weather Station
SL1608-SLW1	SL1600, 8 zones, with SLW1 Wired Weather Station
SL1612-SLW1	SL1600, 12 zones, with SLW1 Wired Weather Station
SL1616-SLW1	SL1600, 16 zones, with SLW1 Wired Weather Station
SL1620-SLW1	SL1620, 20 zones, with SLW1 Wired Weather Station
SL1624-SLW1	SL1624, 24 zones, with SLW1 Wired Weather Station
SL1604-SLW5	SL1600, 4 zones, with SLW5 Wireless Weather Station
SL1608-SLW5	SL1600, 8 zones, with SLW5 Wireless Weather Station
SL1612-SLW5	SL1600, 12 zones, with SLW5 Wireless Weather Station
SL1616-SLW5	SL1600, 16 zones, with SLW5 Wireless Weather Station
SL1620-SLW5	SL1620, 20 zones, with SLW5 Wireless Weather Station
SL1624-SLW5	SL1624, 24 zones, with SLW5 Wireless Weather Station

MODEL	DESCRIPTION
SL4812-SLW1	SL4800, 12 zones, with SLW1 Wired Weather Station
SL4824-SLW1	SL4800, 24 zones, with SLW1 Wired Weather Station
SL4836-SLW1	SL4800, 36 zones, with SLW1 Wired Weather Station
SL4848-SLW1	SL4800, 48 zones, with SLW1 Wired Weather Station
SL4812-SLW5	SL4800, 12 zones, with SLW5 Wireless Weather Station
SL4824-SLW5	SL4800, 24 zones, with SLW5 Wireless Weather Station
SL4836-SLW5	SL4800, 36 zones, with SLW5 Wireless Weather Station
SL4848-SLW5	SL4800, 48 zones, with SLW5 Wireless Weather Station

SL9600 with Weather Station



MODEL	DESCRIPTION
SL9648TW-SLW1	SL9648TW, 48 Zones, with SLW1 Wired Weather Station
SL9648TW-SLW5	SL9648TW, 48 Zones, with SLW5 Wireless Weather Station
SL9696TW-SLW1	SL9696TW, 96 Zones, with SLW1 Wired Weather Station
SL9696TW-SLW5	SL9696TW, 96 Zones, with SLW5 Wireless Weather Station



SLPED-ENC

Pedestal Mount Enclosure

SLPED-ENC-M/SS-1600 DIMENSIONS
13 1/4" W x 44 1/4" H x 6 1/4" D
(33.66 cm x 112.40 cm x 15.88 cm)

SLPED-ENC-M/SS-4800 DIMENSIONS
19 1/2" W x 44 1/4" H x 7 3/4" D
(49.53 cm x 112.40 cm x 19.69 cm)

SLPED-ENC-SS



4800



1600

SLPED-ENC-M



4800



1600

FEATURES

- Fits all PL/SL1600 Series, PL/SL4800 and SL9600TW controllers
- 16 gauge stainless steel or powder-coated metal construction
- Pedestal mount model
- Filtered louvers for ventilation
- Cam style keylock
- Weather-resistant
- NEMA TYPE 3R rated with SmartLine® controller installed

SLPED-ENC Specifications

MODEL	DESCRIPTION
SLPED-ENC-SS-4800	Stainless Steel Enclosure with Pedestal for PL4800/SL4800/SL9600TW
SLPED-ENC-M-4800	Powder-coated Metal Enclosure with Pedestal for Stainless Steel Enclosure with Pedestal for PL4800/SL4800/SL9600TW
SLPED-ENC-SS-1600	Stainless Steel Enclosure with Pedestal for PL1600/SL1600
SLPED-ENC-M-1600	Powder-coated Metal Enclosure with Pedestal for PL1600/SL1600

SLWM

Wall Mount Enclosure

SLPED-ENC-M/SS-1600 DIMENSIONS
13 1/4" W x 14 1/4" H x 6 1/4" D
(33.66 cm x 36.20 cm x 15.88 cm)

SLPED-ENC-M/SS-4800 DIMENSIONS
19 1/2" W x 19 1/2" H x 7 3/4" D
(49.53 cm x 49.53 cm x 19.69 cm)

SLWM-SS



4800

1600

SLWM-M



4800

1600

SLWM Specifications

MODEL	DESCRIPTION
SLWM-SS-4800	Stainless Steel Wall Mount Enclosure for PL4800/SL4800/SL9600TW
SLWM-M-4800	Powder-coated Metal Wall Mount Enclosure for PL4800/SL4800/SL9600TW
SLWM-SS-1600	Stainless Steel Wall Mount Enclosure for PL1600/SL1600
SLWM-M-1600	Powder Coated Metal Wall Mount Enclosure for PL1600/SL1600

FEATURES

- Fits all PL/SL1600 Series, PL/SL4800 and SL9600TW controllers
- 16 gauge stainless steel or powder-coated metal construction
- Wall mount model
- Cam style keylock
- Weather-resistant
- NEMA TYPE 3R rated with SmartLine® controller installed

SLPED-ENC-PE

High Grade Dual-Sided Polyethylene Enclosure - Granite, includes SL4800 Controller

SLPED-ENC-PE DIMENSIONS
43 1/2" W x 20" H x 15 3/4" D
(110.45 cm x 50.80 cm x 40.01 cm)



FEATURES

- 100% High Grade recyclable polyethylene for maximum durability and strength
- Graffiti-proof granite colored finish to reduce vandalism
- Single key vandal resistant locking mechanism
- Waterproof flip-top lid for easy controller access while standing
- Fully removable front and rear panels allows for easy installation and access to all components
- Pre-set back panel lugs allow for easy installation and a quality professional result
- Filtered side louvers both front and back allow for full-flow ventilation
- Large front and rear panel areas for storage of site maps and instruction manuals

SLPED

Stainless Steel Pedestal

SLPED-1600/4800 DIMENSIONS
10 1/2" W x 25" H x 3 1/2" D
(26.67 cm x 63.50 cm x 8.89 cm)

SLPED Specifications

MODEL	DESCRIPTION
SLPED-1600	Stainless Steel Pedestal for the PL1600/SL1600
SLPED-4800	Stainless Steel Pedestal for the PL4800/SL4800/SL9600TW



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8014ESR-SOLORAIN

1-Zone Battery Operated Controller

8014ESR DIMENSIONS

5 1/2" W x 3 1/2" H
(14 cm x 9 cm)

ELECTRICAL

Factory Installed 3.6V Lithium Battery*

*Battery life will vary depending environmental conditions. Test results have shown 2-3 years of Battery life.



FEATURES

- Fits previously sold Signature turf valves
- Valve adapter kits available for other major manufacturers
- Long life factory installed 3.6V lithium battery*. Actual battery life will depend on the number of cycles run per year, valve size, operating pressure, and temperature. The battery is replaceable and is available as a service part.
- LCD displays clock and programming
- Timed manual ON and OFF
- Length of watering time: 1 minute to 12 hours
- Six watering programs available per day
- Mist Cycle available on all 6 programs
- Days of the week, Odd/Even, and Interval scheduling
- Rain Delay is programmable from 1 to 99 days
- Leap year compatible-automatically includes Feb. 29th every four years
- Waterproof design tested to IP68, 6 ft (1.8m)

8014ESR-SOLORAIN Specifications

MODEL	DESCRIPTION	FITS
8014ESR-WEATHERMATIC	1-Zone Battery Operated Controller (Sensor Ready) with Weathermatic Valve Adapter (77481)	All Weathermatic valves
8014ESR-SOLORAIN	1-Zone Battery Operated Controller (Sensor Ready)	Signature 7900, 9000, 9500, Quantum
8014ESR-IRRITROL	1-Zone Battery Operated Controller (Sensor Ready) with Irritrol/Nelson Valve Adapter (77467)	All Hardie/Irritrol Valves; Nelson Turf: 7937, 7987, 7938, 7988, 7904, 7914, 7925, 7927, 7928, 7937, 7938, 7987, 7988; Toro: EZ Flow, TPV; K-Rain: 7001, 7200
8014ESR-RAINBIRD	1-Zone Battery Operated Controller (Sensor Ready) with Rain Bird Valve Adapter (77468)	All Rain Bird valves
8014ESR-HUNTER	1-Zone Battery Operated Controller (Sensor Ready) with Hunter Valve Adapter (77516)	All Hunter valves
8014ESR-TORO	1-Zone Battery Operated Controller (Sensor Ready)	Toro: 252 (1.5"-2"), 220

Valve Adapter Kit for 8014ESR

MODEL	DESCRIPTION
8014UAK	8014ESR Universal Adapter Kit - includes 5 valve adapters (1 each)



Water, Power, and Wire Savings

The SmartLine® Solar irrigation control system features the industry's first hybrid solar to AC power supply, allowing the SmartLine® weather based irrigation control system to operate in locations with no power. SmartLine® Solar uses proven SmartLine® controllers and industry standard 24VAC valves for greatly enhanced operational life and reduced equipment cost.

FEATURES

- SmartLink® Aircard compatible
- Converts SmartLine® to a totally “portable” water management system by using proven solar technology
- SmartLine® is a SWAT tested ET system
- Green power source using 100% renewable energy
- Easy installation for both conventional and 2-Wire systems
- SmartLine® Solar uses industry standard 24VAC valves, which out perform debris-prone latching solenoids required with battery operated systems
- System diagnostics include volt meter, amp meter and valve locator
- 2-Wire SmartWire compatible
- LCD display indicates battery and solar power condition
- Dual deep cycle batteries provide up to 7 days of operation with no solar charge
- State of the art Solar Charge Technology (SCT) prolongs battery life and protects batteries from over charge and assures a full charge
- Using standard AC power components makes for easy conversion from solar to grid power and allows early stage construction of landscape in new construction projects



SLSOLAR48

SmartLink®
Network Ready

SmartLine® Solar Specifications

MODEL	DESCRIPTION
SLSOLAR48	SmartLine® SS (Stainless Steel Ped) Solar System, 48 Zones
SLSOLAR48TW	SmartLine® SS (Stainless Steel Ped) Solar System, 48 Zones 2-Wire
SLSOLAR96TW	SmartLine® SS (Stainless Steel Ped) Solar System, 96 Zones 2-Wire



SmartLink® Solar Bundles with 1 Year Service Plan (includes controller, all station modules, SLW5 weather station and SmartLink aircard)

MODEL	DESCRIPTION
SL4800SLR-1YR-BDL-M1NA	SmartLine® Solar System - 48 Zones, 1-Year Bundle
SL4800SLR-1YR-BDL-FLOW-M1NA	SmartLine® Solar System - 48 Zones, 1-Year Bundle with Flow
SL9648TWSLR-1YR-BDL-M1NA	SmartLine® Solar SmartWire System - 48 Zones, 1-Year Bundle
SL9648TWSLR-1YR-BDL-FLOW-M1NA	SmartLine® Solar SmartWire System - 48 Zones, 1-Year Bundle with Flow
SL9696TWSLR-1YR-BDL-M1NA	SmartLine® Solar SmartWire System - 96 Zones, 1-Year Bundle
SL9696TWSLR-1YR-BDL-FLOW-M1NA	SmartLine® Solar SmartWire System - 96 Zones, 1-Year Bundle with Flow



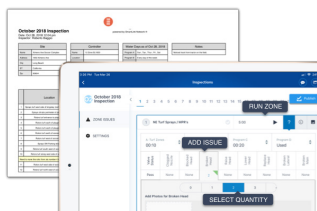


Get a demo

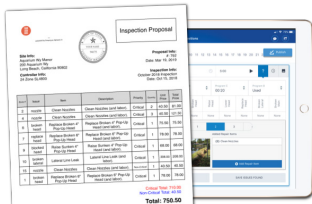
Go to smartlinknetwork.com or scan the QR code with your mobile device camera



Inspection Tool
More than a repair tracking tool.



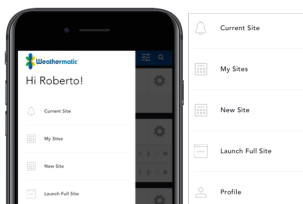
Proposal Tool
Run your business without the paperwork.



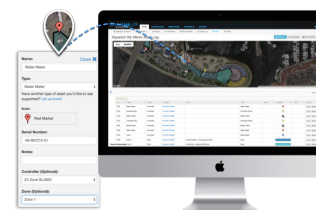
Snapshot
Only takes one shot to save and store program.



Mobile App
Every site at your finger tips.



Assets
Map everything you need to know.



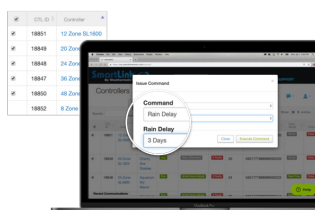
Flow Sensing
Monitor, measure, and react to flow.



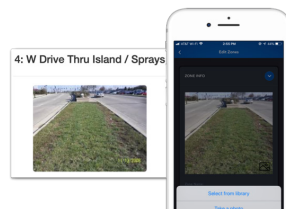
Alerts
Never miss a beat.



Global Commands
For fast programming needs.



Zone Photos
A SmartLink Zone Photo is worth a thousands words.



SmartLink
HOW IT WORKS

Sensor
MAKES AUTOMATIC WEATHER-BASED ADJUSTMENTS TO WATERING SCHEDULE



Aircard
SENDS DATA BETWEEN THE CONTROLLER AND CLOUD VIA CELLULAR NETWORK



Controller
HARDWARE ON-SITE RELAYS SETTINGS AND PROGRAMS TO CONTROL ZONES AND SCHEDULES

Secure cellular connection
NO PASSWORDS ARE SHARED AND ACCESS IS RELIABLE EVEN AWAY FROM BUILDINGS
LTE CAT M1 CELLULAR NETWORK



Cloud-based solution
CLOUD SERVERS AND SMARTLINK SOFTWARE MAINTAIN CONTINUOUS CONNECTION AND DATA SECURITY



You
REMOTE ACCESS BY PHONE, TABLET, OR COMPUTER TO CONTROL ALL ZONES & SCHEDULES WITH ALERTS & REPORTS

SMARTLINK® COMMERCIAL WIRELESS



**Affordable, Web-Based
Irrigation Management**



Professional Features

- LTE CAT M1 Cellular communication
- Unlimited accounts
- Assignable account privileges
- Unlimited sites
- Unlimited controllers
- Web browser accessible
- Map integration
- Search Filters
- Single page controller overview
- Manual zone/program operation
- Recent event list (export to .xlsx)
- Valve locator
- Basic programming (mirror SmartLine/ProLine features)
- Advanced "Smart" programming (mirror SmartLine features)
- Historical water use reports
- Historical temperature overlays
- Total gallons used per site/controller/zone
- Daily or monthly summary

Global Commands

- Turn ON or OFF all controllers
- Set a Rain Delay
- Clear Faults
- Pull a receive for real-time updates
- Reset a controller
- Take a Snapshot of all program settings

Requirements

- SmartLine controller (Firmware 3.10) with SmartLink AirCard installed.
- Service plan fee

Inspection Reporting

- Run zones remotely
- Track issues and quantities
- Upload photos for issues
- Include comments and descriptions
- Review program settings
- Set programming adjustments
- Save inspection reports to clients
- Export reports to PDF, XLSX, or XLS

Asset Tagging

- Create site layouts with satellite mapping
- Draw zone outlines
- Pin locations for items such as meters, valves, sensors, controllers, and more
- Include detailed notes
- Upload photos
- Save meter and product serial numbers
- Drag-in-drop any related files

Alerts

- Turn ON email alerts
- Set alerts to arrive instantly or daily
- Manage alerts globally
- Setup over 20 different notification types



Reports

- Run Times
- Water use (with flow data)
- Local high and low temperatures
- System or programming related changes
- Daily, Weekly or Monthly changes

Proposals

- Track repair issues
- Maintain a repair parts catalog
- Update price lists
- Create proposals
- Send proposal approval emails to clients

Flow Sensing

- Self-defined high and low flow limits
- Automatic master and zone valve shutdowns
- Email alert notifications
- Running and Current Averages
- (Flow aircard/sensor required)

Snapshots

- Track minor program adjustments
- Store settings for historical reasons
- Reapply settings at a later time
- Compare differences between two programs



Save Water. Give Life.

Learn more

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SL-AIRCARD

SmartLink® Aircard

FEATURES

- Connects the SmartLine® controller to the SmartLink®™ web application
- Provides Web-Based control from a computer, tablet, or smartphone
- Simple to install
- Set-up in minutes
- Automatic firmware updates
- Status LED
- Gold plated antenna connection
- Cellular-Based communication
- Indoor/Outdoor use



FLOW AIRCARD FEATURES

- Adds Flow capabilities
- Flow Sensor connects directly to unit and not the SmartLine® controller

SmartLink Aircard Specifications

MODEL	DESCRIPTION
SL-AIRCARD-M1NA	SmartLink Aircard for LTE CAT M1 Cellular Network (No Plan)
SL-AIRCARD-M1NA-EXT	SmartLink Aircard for LTE CAT M1 Cellular Network with 50ft Extension (No Plan)
SL-AIRCARDFLOW-M1NA	SmartLink Aircard with flow for LTE CAT M1 Cellular Network (No Plan)
SL-AIRCARDFLOW-M1NA-EXT	SmartLink Aircard with flow for LTE CAT M1 Cellular Network with 50ft Extension (No Plan)

Aircard Mount Antenna



SL-ANT-LTE

SmartLink® Aircard Standard Antenna

FEATURES

- Standard no gain antenna included with SmartLink® Aircard
- Omni directional
- Mounts directly on SmartLink® Aircard
- Suitable for most SmartLink® Aircard locations

Standard Antenna Specifications

MODEL	DESCRIPTION
SL-ANT-LTE	SmartLink® Aircard M1NA Antenna LTE



Pedestal Mount Antenna



SL-HG-ANT-LTE

High Gain Antenna, LTE

DIMENSIONS

1.7" diameter x 3" WH
(43 mm x 76 mm)

FEATURES

- Heavy duty screw mount
- L-shaped bracket
- UV and vandal resistant
- ABS housing and thread
- IP67 compliant
- Includes 3 ft cable
- Peak Gain: 1.2 dBi @ 700-960 MHz



SL-HG-ANT-LTE Antenna Specifications

MODEL	DESCRIPTION
SL-HG-ANT-LTE-3FT	High Gain Antenna with 3 ft. cable, LTE



SMARTLINK COMMERCIAL BUNDLES

Our SmartLink® Professional Bundles make it easy to find a solution to fit your job.

SMARTLINK® BUNDLE

SmartLine® Controller
SLW5 Weather Station
SmartLink® Aircard
SmartLink® Service Plan
Total Protection Warranty

SMARTLINK® BUNDLE WITH FLOW

SmartLine® Controller
SLW5 Weather Station
SmartLink® Aircard with Flow
SmartLink® Service Plan
Total Protection Warranty



SmartLink® Commercial Bundles with 1 Year Service Plan

MODEL	DESCRIPTION
SL1616-1YR-BDL-M1NA	SL1616 1-Year Bundle with 16 Zones for LTE CAT M1 Cellular Network
SL1616-1YR-BDL-FLOW-M1NA	SL1616 1-Year Bundle with Flow with 16 Zones for LTE CAT M1 Cellular Network
SL4824-1YR-BDL-M1NA	SL4824 1-Year Bundle with 24 Zones for LTE CAT M1 Cellular Network
SL4824-1YR-BDL-FLOW-M1NA	SL4824 1-Year Bundle with Flow with 24 Zones for LTE CAT M1 Cellular Network
SL4848-1YR-BDL-M1NA	SL4848 1-Year Bundle with 48 Zones for LTE CAT M1 Cellular Network
SL4848-1YR-BDL-FLOW-M1NA	SL4848 1-Year Bundle with Flow with 48 Zones for LTE CAT M1 Cellular Network

SmartLink® SmartWire Commercial Bundles with 1 Year Service Plan

MODEL	DESCRIPTION
SL9648TW-1YR-BDL-M1NA	SL9648TW 1-Year SmartWire Bundle with 48 Zones for LTE CAT M1 Cellular Network
SL9648TW-1YR-BDL-FLOW-M1NA	SL9648TW 1-Year SmartWire Bundle with Flow with 48 Zones for LTE CAT M1 Cellular Network
SL9696TW-1YR-BDL-M1NA	SL9696TW 1-Year SmartWire Bundle with 96 Zones for LTE CAT M1 Cellular Network
SL9696TW-1YR-BDL-FLOW-M1NA	SL9696TW 1-Year SmartWire Bundle with Flow with 96 Zones for LTE CAT M1 Cellular Network

SmartLink® Solar Commercial Bundles with 1 Year Service Plan

MODEL	DESCRIPTION
SL4800SLR-1YR-BDL-M1NA	SmartLine Solar System - 48 Zones, 1-Year Bundle
SL4800SLR-1YR-BDL-FLOW-M1NA	SmartLine Solar System - 48 Zones, 1-Year Bundle with Flow
SL9648TWSLR-1YR-BDL-M1NA	SmartLine Solar SmartWire System - 48 Zones, 1-Year Bundle
SL9648TWSLR-1YR-BDL-FLOW-M1NA	SmartLine Solar SmartWire System - 48 Zones, 1-Year Bundle with Flow
SL9696TWSLR-1YR-BDL-M1NA	SmartLine Solar SmartWire System - 96 Zones, 1-Year Bundle
SL9696TWSLR-1YR-BDL-FLOW-M1NA	SmartLine Solar SmartWire System - 96 Zones, 1-Year Bundle with Flow

Annual Aircard Plans

MODEL	DESCRIPTION
SL-PLANI-CARD	SmartLink® 1-Year Service Plan
SL-PLANIF-CARD	SmartLink® 1-Year Service Plan plus Flow
SL-FLOW1	SmartLink® 1-Year Flow only upgrade
SLWARRANTY1	Total Protection Plan - Plan covers lightning, theft, vandalism, and physical damage (Must be purchased with a Service Plan)

SmartLine Commercial Bundle Upgrades

MODEL	DESCRIPTION
SL-UPG-BDL	SmartLine Bundle Upgrade includes SLCP5A-G5 Panel, SL-AIRCARD, and SLW5 Weather Station
SL-UPG-BDL-FLOW	SmartLine Bundle Upgrade includes SLCP5A-G5 Panel, SL-AIRCARD with Flow, and SLW5 Weather Station





SLFSI-T

Slip Type Tee Flow Sensor

FLOW RANGE

0.25 to 15 FPS

PRESSURE RATING

240 PSI
Maximum working pressure



DIMENSIONS

SIZE	LENGTH	DIAMETER	HEIGHT
1"	5.625" (143 mm)	1.710" (43 mm)	3.487" (88 mm)
1 1/2"	6.188" (157 mm)	2.310" (58 mm)	5.097" (130 mm)
2"	7.00" (178 mm)	2.875" (73 mm)	4.573" (116 mm)

SLFSI-S

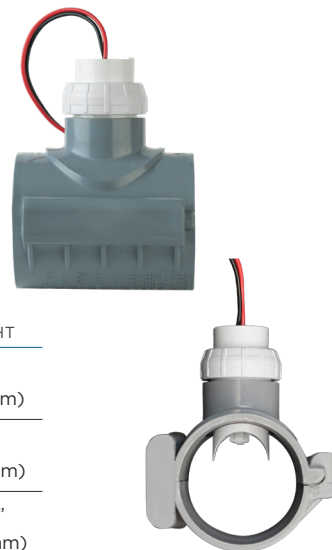
Saddle Type Tee Flow Sensor

FLOW RANGE

3" saddle: 6 to 300 gpm
4" saddle: 10 to 480 gpm
6" saddle: 45 to 1100 gpm

PRESSURE RATING

150 psi @ 90° F



DIMENSIONS

SIZE	LENGTH	WIDTH	HEIGHT
3"	5" (127 mm)	5.5" (140 mm)	6.5" (165 mm)
4"	5" (127 mm)	6.5" (165 mm)	7.5" (190 mm)
6"	5" (127 mm)	8.5" (216 mm)	9.75" (248 mm)

SLFSI-T Flow Sensor Specifications

MODEL	DESCRIPTION	INTERNATIONAL MODEL
SLFSI-T10	1" Slip Type Tee Insert Flow Sensor - Used with the SmartLink Flow Aircard	E-SLFSI-T10
SLFSI-T15	1 1/2" Slip Type Tee Insert Flow Sensor - Used with the SmartLink Flow Aircard	E-SLFSI-T15
SLFSI-T20	2" Slip Type Tee Insert Flow Sensor - Used with the SmartLink Flow Aircard	E-SLFSI-T20

SLFSI-S Flow Sensor Specifications

MODEL	DESCRIPTION	INTERNATIONAL MODEL
SLFSI-S30	3" (76mm) Saddle Type Tee Insert Flow Sensor - Used with the SmartLink Flow Aircard	E-SLFSI-S30
SLFSI-S40	4" (102mm) Saddle Type Tee Insert Flow Sensor - Used with the SmartLink Flow Aircard	E-SLFSI-TS40
SLFSI-S60	6" (152.4 mm) Saddle Type Tee Insert Flow Sensor - Used with the SmartLink Flow Aircard	E-SLFSI-TS60

Flow Sensor Specifications

PROFESSIONAL MATERIALS

Impeller - HDPE (High Density Polyethylene)
Shaft - Tungsten Carbide
O-ring - Buna-N
Saddle, Sensor Housing, Retaining Nut - Type 1 PVC

TEMPERATURE RANGE

32° F to 140° F (0° to 60° C)

OUTPUT SIGNAL

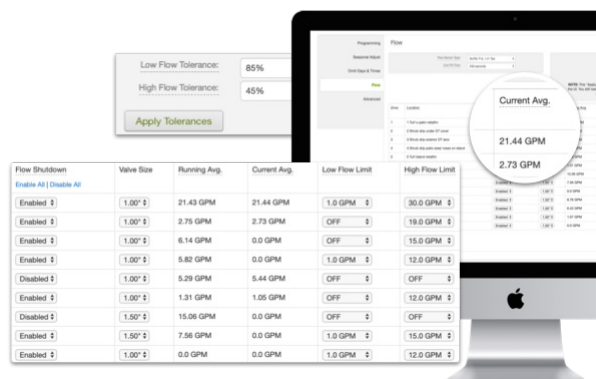
Frequency Range: 0.3 Hz to 200 Hz
Output Pulse: 5 ms +/-25%

TRANSDUCER PERFORMANCE

Quiescent current: 600 uA@8 VDC to 35 VDC max.
Quiescent voltage: (VHigh)= Supply Voltage - (600uA X Supply Impedance)
On State: (VLow)= Max. 1.2 VDC@50mA current limit, (10Ω +0.7VDC)

ELECTRICAL CABLE

2 single conductor solid copper U.L. listed #18 AWG leads with direct burial insulation
Lead length: 48 inches
Wiring may be extended up to 2,000 feet with direct burial, twisted pair shielded cable





SLFSI-B

Brass Threaded Type Tee Flow Sensor

FLOW RANGE

0.50 to 15 FPS
3 to 90 GPM (11 to 340 LPM)

PRESSURE RATING

250 PSI Maximum working pressure

DIMENSIONS

SIZE	LENGTH OVERALL	LENGTH WITH RETAINING NUT	LENGTH TEE ONLY	LENGTH WITH INSERT & NUT
1 1/2"	6.188" (157 mm)	2.5" (64 mm)	4.125" (105 mm)	5.125" (130 mm)

SLFSI-B Flow Sensor Specifications

MODEL	DESCRIPTION
SLFSI-B15	1 1/2" Brass Threaded Type Tee Insert Flow Sensor - Used with the SmartLink® Flow Aircard



Flow Sensor Specifications

PROFESSIONAL MATERIALS

Impeller - HDPE (High Density Polyethylene)
Mounting Tee & Retaining Nut - Lead Free Bronze Alloy C89833 Federalloy I-836
Shaft - Tungsten Carbide
O-ring - Buna-N
Sensor Insert - Type 1 PVC

TEMPERATURE RANGE

32° F to 140° F (0° to 60° C)

OUTPUT SIGNAL

Frequency Range: 0.3 Hz to 200 Hz

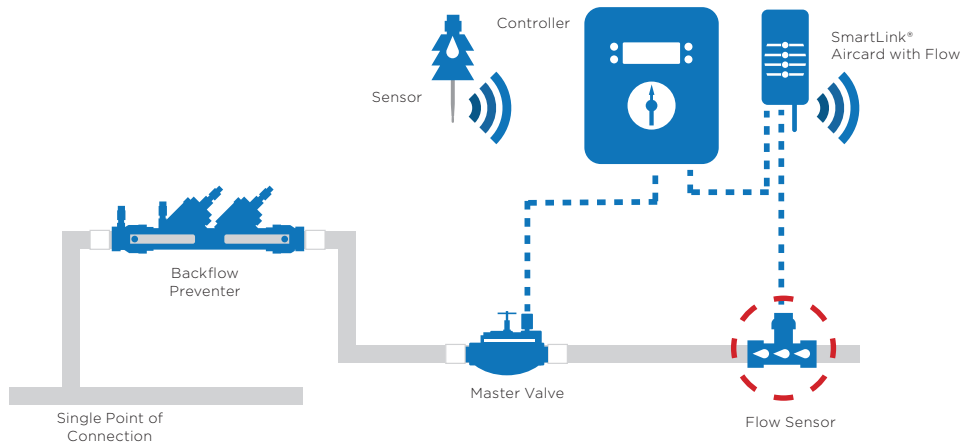
TRANSDUCER PERFORMANCE

Quiescent current: 120 uA@8 VDC to 35 VDC max.
Off State: (VHigh)= Supply Voltage - (120uA X Source Resistance)
On State: (VLow)= Max. 0.85 Volts@50mA, (10Ω + 0.7VDC)

ELECTRICAL CABLE

Standard electronics -001 version is equipped with 2 single conductor solid copper #18 AWG leads with direct burial insulation. Lead length 48 inches.
Wiring may be extended up to 2,000 feet with direct burial, twisted pair shielded cable

FLOW SENSOR PLACEMENT



SmartLink™ Flow Sensor Model Nominal Pipe Size

		SLFSI-T10 1"	SLFSI-T15 1 1/2"	SLFSI-T20 2"	SLFSI-S30 3"	SLFSI-S40 4"	SLFSI-S60 6"	SLFSI-B15 1 1/2"
	Feet/Sec	GPM	GPM	GPM	GPM	GPM	GPM	GPM
Minimum Flow	0.25	0.86	1.8	2.8	6	10	23	-
	1	3.5	7.24	11.3	25	40	90	5.5
	2	7	14.5	23	50	80	180	11
	3	10.4	22	34	75	120	270	16.5
	5	17	36	57	125	200	450	27.5
	7	24	51	79	175	280	630	38.5
	10	35	72	113	250	400	900	55
	12	42	87	136	300	480	-	66
Maximum Flow	15	52	108	170	-	-	-	83
Friction Loss at Max Flow		0.25 psi	0.18 psi	0.15 psi	0.15 psi	0.15 psi	0.07 psi	0.18 psi





SLFA

Flow Assemblies

FEATURES

- Pre-sized with manufacturers required pipe length
- Includes master valve, flow sensor, schedule 80 pipe length and flanges and gasket/bolt kits
- Avoid errors in flow run pipe length size and fitting assembly
- Ready to glue and install



SLFA-T10-MAX

Flow Sensor with Max Valve Specifications

MODEL	DESCRIPTION
SLFA-T10-MAX	1" Flanged Flow Assembly with MAX-DW-10 Master Valve and SLFA-T10 Flow Sensor
SLFA-T15-MAX	1 1/2" Flanged Flow Assembly with MAX-DW-15 Master Valve and SLFA-T15 Flow Sensor
SLFA-T20-MAX	2" Flanged Flow Assembly with MAX-DW-20 Master Valve and SLFA-T20 Flow Sensor

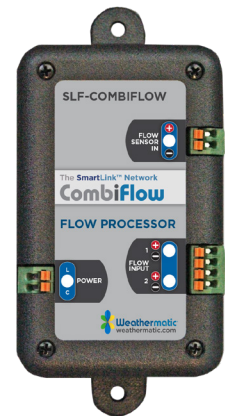
SLF-COMBIFLOW

Flow Processor

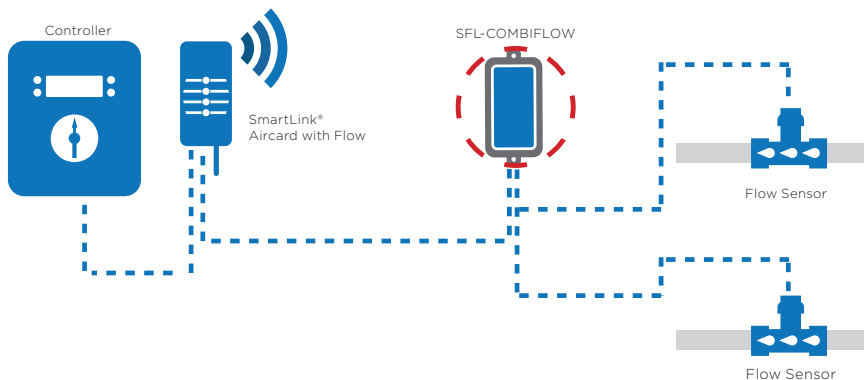
The SLF-CombiFlow is a unique signal controlled device that conditions and scales the signals from two digital flow sensors and combines them into one scalable digital output. The SmartLink™ Flow Aircard then perceives the signal is coming from a single flow sensor. It is compatible with the SLFSI Series Flow Sensors and most other sensors producing a square or sine wave output proportional to the rate of flow.

CombiFlow Specifications

MODEL	DESCRIPTION
SLF-COMBIFLOW-100	Combines 2 separate flow Sensor's data to be used by 1 SmartLink® Flow Aircard
SLF-COMBIFLOW-100-10-10	Combiner for 2 sensors / 1 controller - Pre-programmed 1" x 1"
SLF-COMBIFLOW-100-15-10	Combiner for 2 sensors / 1 controller - Pre-programmed 1.5" x 1"
SLF-COMBIFLOW-100-20-10	Combiner for 2 sensors / 1 controller - Pre-programmed 2" x 1"
SLF-COMBIFLOW-100-30-10	Combiner for 2 sensors / 1 controller - Pre-programmed 3" x 1"
SLF-COMBIFLOW-100-15-15	Combiner for 2 sensors / 1 controller - Pre-programmed 1.5" x 1.5"
SLF-COMBIFLOW-100-20-15	Combiner for 2 sensors / 1 controller - Pre-programmed 2" x 1.5"
SLF-COMBIFLOW-100-30-15	Combiner for 2 sensors / 1 controller - Pre-programmed 3" x 1.5"
SLF-COMBIFLOW-100-20-20	Combiner for 2 sensors / 1 controller - Pre-programmed 2" x 2"
SLF-COMBIFLOW-100-30-20	Combiner for 2 sensors / 1 controller - Pre-programmed 3" x 2"
SLF-COMBIFLOW-100-30-30	Combiner for 2 sensors / 1 controller - Pre-programmed 3" x 3"



Additional SLF-COMBIFLOW units can be added for additional flow sensor inputs.



FLOW SENSOR ACCESSORIES



SLF-ISOFLOW

Signal Control Devices

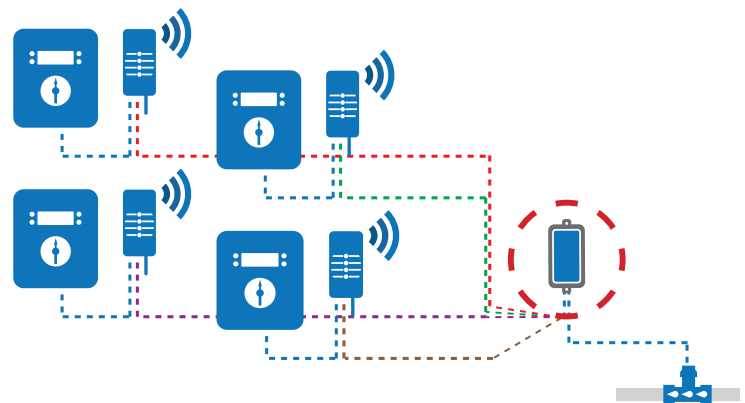
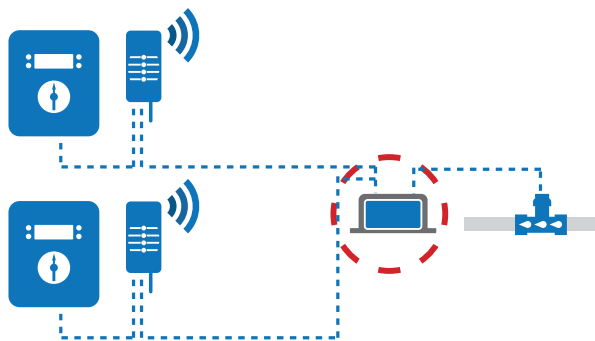
The SLF-ISOFLOW-302 and SLF-ISOFLOW-304 are signal control devices that receive the signal from a single SLFSI flow sensor and provide two electrically isolated outputs. These outputs can then separately be connected to 2 - 4 SmartLink® Flow Aircards.

The SLF-ISOFLOW-304 enables up to 4 SmartLine®/SmartLink® Flow Aircard to share a single SLFSI flow sensor.



IsoFlow Specifications

MODEL	DESCRIPTION
SLF-ISOFLOW-302	Enables 2 SmartLink® Flow Aircards to share 1 SLFSI Flow Sensor
SLF-ISOFLOW-304	Enables 3 to 4 SmartLink® Flow Aircards to share 1 SLFSI Flow Sensor



SMARTLINK ACCESSORIES

MODEL	DESCRIPTION
SLF-SIMFLOW	Flow Simulator with 36" Leads
SLF-DISPLAYFLOW	Digital Display Totalizer Inhousing
SLF-PCT-120	Hydrometer Pulse Converter
SLFLOW-WIRE-193-1000	19 Gauge, 3 wires, 1000 ft



SLF-SIMFLOW



SLF-DISPLAYFLOW





SLF-WIRERIDE

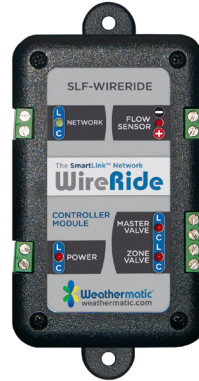
The SLF-WIRERIDE enables installation of a new master valve and flow sensor (or hydrometer) on an irrigation system, without the need of running new wire back to the irrigation controller. With WireRide, the new master valve and flow sensor (or hydrometer) essentially “hitch a ride” back to the controller using a nearby preexisting zone wire.

How it Works

The WireRide Controller Module mounts near the SmartLine® controller. It routes the master valve, flow sensor (or hydrometer), and the nearby zone valve to their corresponding location in the SmartLine® controller and to the SmartLink® Flow Aircard.

A simple walk-through of the example below:

- Install the new master valve and flow sensor (or hydrometer).
- Locate a nearby preexisting zone Valve.
- Connect the zone valve, new master and flow Sensor (or hydrometer) to the WireRide field module.
- The existing zone Valve wire is now being used by the field module to connect to the controller module.
- The controller module mounts next to the SmartLine® controller and routes power and flow signals to the appropriate devices.



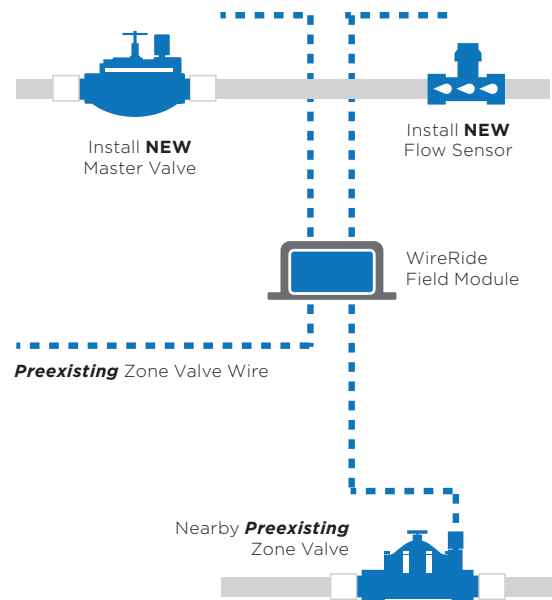
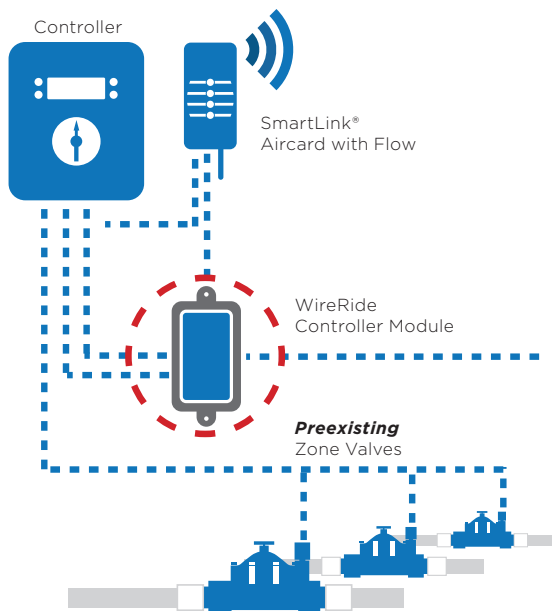
SLF-WIRERIDE



SLF-WIRERIDE

Flow Accessories Specifications

MODEL	DESCRIPTION
SLF-WIRERIDE	Add SLFSI Flow Sensor and a Master Valve Without Running New Wire to the Controller
SLF-WIRERIDE-HYD	Hydrometer Communication on Existing Wire
SLF-PCT-120	Hydrometer Pulse Converter



VALVES OVERVIEW

	 NITRO <small>N-100-H</small>	 SILVER BULLET <small>SB-10F-HP</small>	 BLACK BULLET MAX <small>MAX-DW-15</small>	 BRONZE BULLET
	NITRO	SILVER BULLET	BLACK MAX	BRONZE BULLET
Application	Residential	Residential/ Commercial	Commercial	Commercial
Flow Range	0.2 to 35 GPM 0 to 8.5 m ³ /hr	0.2 to 180 GPM 0 to 3.5 m ³ /hr	0.2 to 130 GPM 0 to 30.0 m ³ /hr	0.2 to 400 GPM 0 to 90.0 m ³ /hr
Pressure Rating	150 PSI (10.3 BAR)	150 PSI (10.3 BAR)	225 PSI (15.5 BAR) rating	225 PSI (15.5 BAR) rating
Sizes	1"	1", 1 1/2", 2"	1", 1 1/2", 2"	1", 1 1/4", 1 1/2", 2", 2 1/2", 3"
XPR Compatible	-	Yes	Yes	Yes
Dirty Water	Yes	Yes	Yes	Yes
Non-Potable Water	Yes	Yes	Yes	Yes
Decoder System Compatible	Yes	Yes	Yes	Yes
Use as Master Valve	Add S24B solenoid	Add S24B solenoid	Yes	Yes
Warranty	2 years	5 years	10 years	10 years
See Page	page 24	page 25	page 26	page 27

NITRO VALVE

N-100 Series

DIMENSIONS

4.88" L x 3.25" W x 5" H
(12.40 cm x 8.23 cm x 12.7 cm)

FLOW RANGE

0.2 to 35 GPM
0 to 8.5 m³/hr

ELECTRICAL

24VAC/60HZ

24VAC/50Hz

Inrush: 9.48 VA

Inrush: 10.66 VA

Holding: 5.11 VA

Holding: 5.97 VA

Wiring requires a single lead from the controller to each solenoid, plus a common neutral to all solenoids; type UF wire, U.L. listed, is recommended for all hookups



N-100-H



N-100S-H



N-100MB-H



N-100F-H



N-100SF-H



N-100MBF-H



FEATURES

- 2 year trade warranty and 100% water tested
- 150 PSI (10.3 BAR) rating
- Unique “reverse flow” design permits equal pressure distribution on both sides of the diaphragm, regardless of line pressure, providing zero stress to prevent “stretching,” a common cause of valve failure
- Reverse flow design for water conservation in the event of failure
- Diaphragm’s self cleaning ports constantly flex, inhibiting sand and silt from blocking valve action
- Molded shock cone for smooth operation and reduction of water hammer
- Easy-to-use internal manual bleed lever; bleeds valve downstream; has positive stops for open and closed positions
- Marine-grade S20P solenoid with stainless steel actuator
- Engineering grade PVC body and Phillips retaining screws
- Non-rising flow control stem throttles valve from full open to closed position on flow control models
- For MASTER VALVE Applications add -S24B to model

Nitro Series Valve Pressure Loss

FLOW GPM	LOSS PSI	FLOW M ³ /HR	LOSS BAR
0-4	1.2 max	0-1.0	0.09 max
4	1.2	1.0	0.09
6	1.7	1.5	0.14
8	2.5	2.0	0.19
10	3.0	2.5	0.22
12	3.4	3.0	0.25
14	3.8	3.5	0.28
16	4.1	4.0	0.30
18	4.4	4.5	0.32
20	4.6	5.0	0.33
22	4.8	5.5	0.35
24	5.1	6.0	0.38
26	5.4	6.5	0.41
28	5.8	7.0	0.45
30	6.3	7.5	0.47
32	6.6	8.0	0.50
35	7.3	8.5	0.51

Nitro Specifications

MODEL	DESCRIPTION	FACTORY INSTALLED OPTIONS (CHOOSE ONE)	INTERNATIONAL MODEL
N-100-H	1" Valve - FIP *		N-100-ISO-H
N-100F-H	1" Valve - FIP with Flow Control *		N-100F-ISO-H
N-100S-H	1" Valve - Slip x Slip	-NP	
N-100SF-H	1" Valve - Slip x Slip with Flow Control	Non-potable alert flow handle may be substituted for the standard flow handle	
N-100MB-H	1" Valve - Male x Barb	-S24B	
N-100MBF-H	1" Valve - Male x Barb with Flow Control	For MASTER VALVE Applications	

SILVER BULLET VALVE



Silver Bullet Series

DIMENSIONS

5" L x 3.13" W x 4.75" H
(12.7 cm x 7.95 cm x 12.07 cm)

FLOW RANGE

0.2 to 180 GPM
0 to 3.5 m³/hr

ELECTRICAL

24VAC/60HZ 24VAC/50Hz
Inrush: 9.48 VA Inrush: 10.66 VA
Holding: 5.11 VA Holding: 5.97 VA



VALVE TAGS



SB-10-HP

SB-10F-HP

SB-15F

SB-20F

Wiring requires a single lead from the controller to each solenoid, plus a common neutral to all solenoids; type UF wire, U.L. listed, is recommended for all hookups

FEATURES

- 5 year trade warranty and 100% water tested
- 150PSI (10.3 BAR) rating
- Unique “reverse flow” design permits equal pressure distribution on both sides of the diaphragm, regardless of line pressure, providing zero stress to prevent “stretching,” a common cause of valve failure
- Diaphragm’s self cleaning ports constantly flex, inhibiting sand and silt from blocking valve action
- Molded shock cone for smooth operation and reduction of water hammer
- Easy-to-use internal manual bleed lever; bleeds valve downstream; has positive stops for open and closed positions
- Marine-grade S20P solenoid with stainless steel actuator
- High-strength glass-filled nylon body and cover with 1/4" stainless steel cover bolts and mating brass body inserts
- Non-rising flow control stem throttles valve from full open to closed position on flow control models
- Pressure activated diaphragm
- Valve identification system
- For MASTER VALVE Applications add -S24B to model

Silver Bullet Specifications

MODEL	DESCRIPTION	FACTORY INSTALLED OPTIONS (CHOOSE ONE)		INTERNATIONAL MODEL
SB-10-HP	1" 24 VAC			SB-10-HP-ISO (12024E-10-H-ISO)
SB-10F-HP	1" 24 VAC with Flow Control	-XPR	-NP	SB-10F-HP-ISO (12024EF-10-H-ISO)
SB-15F	1 1/2" VAC with Flow Control			SB-15F-ISO (12024EF-15-H-ISO)
SB-20F	2" VAC with Flow Control			SB-20F-ISO (12024EF-20-H-ISO)

OPTIONS (FACTORY INSTALLED)

- XPR Pressure Regulator—the Weathermatic XPR pressure regulating module senses inlet pressure and maintains constant outlet pressure. (see PRK-24 in valve accessory section for specifications)
- Non-potable alert flow handle may be substituted for the standard flow handle. Add -NP suffix.

Silver Bullet Series Valve Pressure Loss

FLOW GPM	SB-10-HP 1"	SB-15-HP 1 1/2"	SB-20-HP 2"	FLOW M3/HR	SB-10-HP-ISO 2.54 CM	SB-15-HP-ISO 3.81 CM	SB-20-HP-ISO 5.08 CM
0-4	1.2 max			0-0.9	0.08		
6	1.7			1.0	0.12		
8	2.5			2.0	0.17		
10	3.0			2.5	0.21		
15	3.9			3.0	0.27		
20	4.6	1.3		5.0	0.32	0.09	
25	5.2*	1.6		6.0	0.36*	0.11	
30	6.3	1.9		7.0	0.43	0.13	
35	7.3	2.4		8.0	0.50	0.17	
40		3.0	2.3	9.0		0.21	0.16
45		3.8	2.4	10.0		0.26	0.17
50		4.6	2.6	11.0		0.32	0.18
55		5.6*	2.7	12.0		0.39*	0.19
60		6.7	2.9	14.0		0.46	0.20
70		9.5	3.3	16.0		0.66	0.23
80		13.0	3.4	18.0		0.90	0.23
90			4.2	20.0			0.29
100			5.2*	22.0			0.36*
110			6.7	24.0			0.46
120			7.7	26.0			0.53
130			8.8	30.0			0.61

* Minimum recommended flow for valves with XPR option or PRK-24 accessory.

Legacy Silver Bullet Repair Kit

Don't replace it. Rebuild it.



MODEL	DESCRIPTION
110-003-SAK	Legacy Silver Bullet Repair Kit



BLACK BULLET MAX VALVE

Black Bullet Max Series

DIMENSIONS

VALVE	LENGTH	WIDTH	HEIGHT
MAX-DW-10	5" (12.7 cm)	3.13" (7.95 cm)	4.75" (12.07 cm)
MAX-DW-15	5.75" (14.61 cm)	4.50" (11.43 cm)	4.88" (12.40 cm)
MAX-DW-20	7.25" (18.42 cm)	5" (12.7 cm)	6" (15.24 cm)

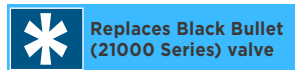
FLOW RANGE

0.2 to 130 GPM
0 to 30.0 m³/hr

ELECTRICAL

24VAC/60HZ 24VAC/50Hz
Inrush: 9.48 VA Inrush: 10.7 VA
Holding: 5.69 VA Holding: 7.5 VA

Wiring requires a single lead from the controller to each solenoid, plus a common neutral to all solenoids; type UF wire, U.L. listed, is recommended for all hookups



FEATURES

- 10 year trade warranty and 100% water tested
- 225 PSI (15.5 BAR) rating
- S24B high-efficiency solenoid for positive opening at high pressures; includes stainless steel actuator and brass threads for long life
- Reverse flow design for water conservation in the event of failure
- Diaphragm's self cleaning ports constantly flex, inhibiting sand and silt from blocking valve action
- Brass shock cone for smooth operation and reduction of water hammer
- Easy-to-use internal manual bleed lever; bleeds valve downstream; has positive stops for open and closed positions
- High-strength glass-filled body and cover with 1/4" stainless steel cover bolts and mating brass body inserts
- Brass non-rising flow control stem throttles valve from full open to closed position
- Excellent for low volume irrigation
- Contamination-resistant (CR)
- Chlorine- and chloramine-resistant EPDM diaphragm material

Black Bullet Max Specifications

MODEL	DESCRIPTION	FACTORY INSTALLED OPTIONS (CHOOSE ONE)		INTERNATIONAL MODEL
MAX-DW-10	Dirty Water 1" 24 VAC			MAX-DW-10-ISO (11024FCR-10D-ISO)
MAX-DW-15	Dirty Water 1 1/2" 24 VAC	-XPR	-NP	MAX-DW-15-ISO (11024FCR-15D-ISO)
MAX-DW-20	Dirty Water 2" 24 VAC			MAX-DW-20-ISO (11024FCR-20D-ISO)

OPTIONS (FACTORY INSTALLED)

- XPR Pressure Regulator-the Weathermatic XPR pressure regulating module senses inlet pressure and maintains constant outlet pressure. (see PRK-24 in valve accessory section for specifications)
- Non-potable alert flow handle may be substituted for the standard flow handle. Add -NP suffix.



MAX-DW-15



MAX-DW WITH XPR OPTION

Black Bullet Max Series Valve Pressure Loss

FLOW GPM	MAX-DW-10 1"	MAX-DW-15 1 1/2"	MAX-DW-20 2"	FLOW M3/HR	MAX-DW-10-ISO 2.54 CM	MAX-DW-15-ISO 3.81 CM	MAX-DW-20-ISO 5.08 CM
0-4	1.2 max			0-0.9	0.08 max		
6	1.4			1.0	0.10		
8	1.6			2.0	0.12		
10	1.7			2.5	0.13		
15	2.0			3.0	0.14		
20	2.3	1.3		5.0	0.18	0.10	
25	3.0	1.6		6.0	0.24	0.12	
30	4.3	1.9		7.0	0.32	0.14	
35	6.0*	2.4		8.0	0.43*	0.17	
40	7.7	3.0	2.3	9.0	0.54	0.21	0.16
45	9.5	3.8	2.4	10.0	0.64	0.26	0.17
50	11.5	4.6	2.6	11.0	0.77	0.31	0.17
55		5.6*	2.7	12.0		0.37*	0.18
60		6.7	2.9	14.0		0.51	0.20
70		9.5	3.3	16.0		0.68	0.23
80		13.0	3.4	18.0		0.90	0.23
90			4.2	20.0			0.29
100			5.2*	22.0			0.34*
110			6.7	24.0			0.42
120			7.7	26.0			0.50
130			8.8	30.0			0.62

* Minimum recommended flow for valves with XPR option or PRK-24 accessory.

BRONZE BULLET VALVE



Bronze Bullet Series

DIMENSIONS

VALVE	LENGTH	WIDTH	HEIGHT
8200CR-10D	4.75" (12.07 cm)	3.63" (9.22 cm)	5.25" (13.34 cm)
8200CR-12D	4.75" (12.07 cm)	3.63" (9.22 cm)	5.25" (13.34 cm)
8200CR-15D	5.06" (12.85 cm)	4.00" (10.16 cm)	5.75" (14.61 cm)
8200CR-20D	6.63" (16.84 cm)	4.88" (12.40 cm)	7.25" (18.42 cm)
8200CR-25D	8.00" (20.32 cm)	6.25" (15.88 cm)	8.00" (20.32 cm)
8200CR-30D	8.75" (22.23 cm)	7.00" (17.78 cm)	8.50" (21.59 cm)

FLOW RANGE

0.2 to 400 GPM
0 to 90.0 m³/hr

ELECTRICAL

24VAC/60HZ

24VAC/50Hz

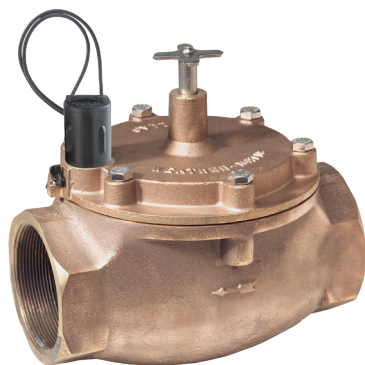
Inrush: 9.86 VA

Inrush: 10.7 VA

Holding: 5.69 VA

Holding: 7.5 VA

Wiring requires a single lead from the controller to each solenoid, plus a common neutral to all solenoids; type UF wire, U.L. listed, is recommended for all hookups



FEATURES

- 10 year trade warranty and 100% water tested
- 225 PSI (15.5 BAR) rating
- S24B high-efficiency solenoid for positive opening at high pressures; includes stainless steel actuator and brass threads for long life
- Bronze body and cover with stainless steel bolts
- Bronze material with 82% copper content
- Reverse flow design for water conservation in the event of failure
- Diaphragm's self cleaning ports constantly flex, inhibiting sand and silt from blocking valve action
- Brass shock cone for smooth operation and reduction of water hammer
- Easy-to-use internal manual bleed lever; bleeds valve downstream; has positive stops for open and closed positions
- Brass non-rising flow control stem throttles valve from full open to closed position
- Excellent for low volume irrigation
- Contamination-resistant (CR)
- Chlorine- and chloramine-resistant EPDM diaphragm material

OPTIONS (FACTORY INSTALLED)

- XPR Pressure Regulator—the Weathermatic XPR pressure regulating module senses inlet pressure and maintains constant outlet pressure. (see PRK-24 in valve accessory section for specifications)
- Non-potable alert flow handle may be substituted for the standard flow handle. Add -NP suffix.

Bronze Bullet Specifications

MODEL	DESCRIPTION	FACTORY INSTALLED OPTIONS (CHOOSE ONE)		INTERNATIONAL MODEL
8200CR-10D	1" Red Brass Valve - 24VAC with Flow Control			8200CR-10D-ISO
8200CR-12D	1 1/4" Red Brass Valve - 24VAC with Flow Control			8200CR-12D-ISO
8200CR-15D	1 1/2" Red Brass Valve - 24VAC with Flow Control			8200CR-15D-ISO
8200CR-20D	2" Red Brass Valve - 24VAC with Flow Control	-XPR	-NP	8200CR-20D-ISO
8200CR-25D	2 1/2" Red Brass Valve - 24VAC with Flow Control			8200CR-25D-ISO
8200CR-30D	3" Red Brass Valve - 24VAC with Flow Control			8200CR-30D-ISO

BRONZE BULLET VALVE



Bronze Bullet Series Valve Pressure Loss

FLOW GPM	8200CR-10D 1"	8200CR-12D 1 1/4"	8200CR-15D 1 1/2"	8200CR-20D 2"	8200CR-25D 2 1/2"	8200CR-30D 3"
0 - 10	1.5 max					
12	1.8					
16	2.4	1.9				
20	3.1	2.3	1.4			
25	4.0	3.0	1.7			
30	4.9	3.5	2.1			
35	5.9*	4.1	2.5			
40	7.2	4.7	2.9	1.1		
45		5.5*	3.3	1.3		
50		6.3	3.7	1.5		
55			4.2	1.8		
60			4.8	2.0	1.0	0.5
70			6.2*	2.6	1.4	0.7
80			7.9	3.4	1.8	0.9
90			10.1	4.3	2.1	1.1
100				5.3*	2.6	1.3
120				8.0	3.6	1.8
140				12.0	4.8	2.4
160				18.2	6.1*	3.1
180					7.5	3.8
200					9.1	4.6
250					14.0	7.1*
300					19.6	10.1
350						13.8
400						19.3

* Minimum recommended flow for valves with XPR option or PRK-24 accessory.

Bronze Bullet Series Valve Pressure Loss - METRIC

Flow m ³ /h	8200CR-10D 2.54 cm	8200CR-12D 3.18 cm	8200CR-15D 3.81 cm	8200CR-20D 5.08 cm	8200CR-25D 6.35 cm	8200CR-30D 7.62 cm
0 - 2.3	0.10 max					
3.0	0.14					
4.0	0.19	0.15				
5.0	0.25	0.19	0.11			
6.0	0.30	0.22	0.13			
7.0	0.35	0.26	0.15			
8.0	0.42*	0.30	0.17			
9.0	0.50	0.33	0.20	0.08		
10.0		0.37*	0.23	0.08		
11.0		0.43	0.25	0.10		
12.0			0.28	0.12		
14.0			0.35	0.15	0.08	0.04
16.0			0.43*	0.19	0.10	0.05
18.0			0.54	0.24	0.12	0.06
20.0			0.68	0.29	0.15	0.08
24.0				0.42*	0.20	0.10
28.0				0.61	0.27	0.13
32.0				0.84	0.34	0.17
36.0				1.23	0.42*	0.21
40.0					0.51	0.27
50.0					0.77	0.40
60.0					1.09	0.56*
70.0					1.45	0.76
80.0						1.00
90.0						1.34

* Minimum recommended flow for valves with XPR option or PRK-24 accessory.

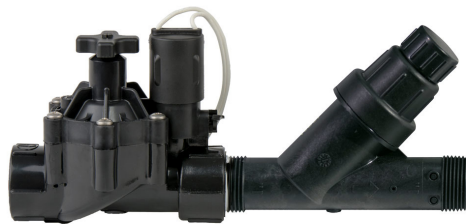
SMART CONTROL ZONES



Smart Control Zones

FEATURES

- Saves time with pre-assembled valve, filter, and pressure regulator
- Ultra low-flow capability (1 gallon per hour)
- Wye filter with 150 mesh stainless steel screen with 25 or 45 psi pressure regulator
- Patented self-cleaning valve diaphragm
- Patented manual bleed lever. No twisting on a solenoid or bleed screw is required
- Pressure activated diaphragm ensures reliable operation with no leakage at pressures up to 150 - 200 psi
- Innovative valve shock cone interrupts the water flow more gradually than other diaphragms to enable quick valve closure without the damaging effect of water hammer
- Residential, light commercial and commercial options available



SCZ-N-100F-H



SCZ-SB-10F-HP



SCZ-MAX-DW-10

FLOW RANGE

0.2 GPM to 10 GPM (0 m3/hr to 2.3 m3/hr)

MAXIMUM INLET PRESSURE

120 PSI (8.27 BAR)

Smart Control Zone Specifications

MODEL	DESCRIPTION	WARRANTY
SCZ-N-100F-H-25	Nitro Control Zone (1" FIP with flow control, 1" filter/regulator - 25 psi)	2 years
SCZ-SB-10F-HP-25	Silver Bullet Control Zone (1" FIP with flow control, 1" filter/regulator - 25 psi)	5 years
SCZ-MAX-DW-10-25	Black Bullet Max Control Zone (1" FIP with flow control, 1" filter/regulator - 25 psi)	10 years
SCZ-N-100F-H-45	Nitro Control Zone (1" FIP with flow control, 1" filter/regulator - 45 psi)	2 years
SCZ-SB-10F-HP-45	Silver Bullet Control Zone (1" FIP with flow control, 1" filter/regulator - 45 psi)	5 years
SCZ-MAX-DW-10-45	Black Bullet Max Control Zone (1" FIP with flow control, 1" filter/regulator - 45 psi)	10 years

Minimum Inlet Pressure for 25PSI (1.8 BAR) outlet pressure

FLOW GPM	PRESSURE PSI	FLOW L/MIN	PRESSURE BAR
0.2	26.1	0.8	1.8
1.0	29.3	3.8	2.0
3.0	31.0	11.4	2.1
5.0	36.5	18.9	2.5
8.0	41.5	30.3	2.9
10.0	48.0	37.9	3.3

Minimum Inlet Pressure for 45PSI (3.1 BAR) outlet pressure

FLOW GPM	PRESSURE PSI	FLOW L/MIN	PRESSURE BAR
0.2	46.1	0.8	3.2
1.0	47.3	3.8	3.3
3.0	54.0	11.4	3.7
5.0	60.5	18.9	4.2
8.0	65.5	30.3	4.5
10.0	72.0	37.9	5.0

Pressure Regulating Filters

FEATURES

- Combination unit helps make installation easier and faster
- Heavy duty glass-filled polypropylene body
- Works with all valves
- Comes with 155-mesh screen pre-assembled (replacement filter elements are available)
- 25 PSI or 45 PSI pressure regulator is integrated into the filter body.

SPECIFICATIONS

- Operating pressure: up to 120 PSI
- Preset pressure rating: 25 PSI or 45 PSI
- Screen: stainless steel
- 155 mesh/100 microns
- Body: glass-filled polypropylene

DIMENSIONS

- 6" L x 4 1/4" H x 1 3/4" W

Flow Rate with Pressure Loss 1" Pressure Regulating Filter

FLOW GPM	PRF-25-100 PSI	PRF-45-100 PSI
0.2	1	1
1.0	4	2
3.0	5	8
5.0	10	14
8.0*	N/A	18
10.0*	N/A	N/A
15.0*	N/A	N/A

Pressure Regulator Specifications

MODEL	DESCRIPTION
PRF-25-100	1" Pressure Regulating Filter
PRF-45-100	1" Pressure Regulating Filter



QUICK COUPLING VALVES

Quick Coupling Valves

QUICK COUPLING KEY DIMENSIONS

MODEL	FOR VALVE MODELS	THREAD SIZE		HEIGHT
		MALE	FEMALE	
7640-QCVKEY	All models	3/4"	1/2"	5 1/4"
7641-QCVKEY	All models	1"	3/4"	5 1/4"

QUICK COUPLING VALVE DIMENSIONS

Bottom Pipe Thread: 1" (25.4 mm)
Overall Height: 3 3/4" (9.5 cm)

FLOW RANGE

Max Capacity: 20 GPM (75.7 L/M)

PRESSURE

Max: 125 PSI (8.6 BAR)

FEATURES

- ACME® threads standard for slow and steady flow control instead of immediate on/off.
- Rubber cover
- Optional locking cover available
- Optional lavender rubber cover identifies reclaimed water site - molded in "RECLAIMED WATER - DO NOT DRINK": in English and Spanish.



7643-QCVLYEL



7645-QCVLNP



7642-QCVKEY



7644-QCVNP

Quick Coupling Valve Specifications

MODEL	DESCRIPTION	RUBBER COVER	LOCKING COVER	WARNING COVER
7642-QCVKEYYEL	Quick Coupling Valve with Yellow Non-Locking Cover, 1" NPT (25.4 mm)	•		
7643-QCVLYEL	Quick Coupling Valve with Yellow Locking Cover, 1" NPT (25.4 mm)	•	•	•
7644-QCVNP	Quick Coupling Valve with Lavender Non-Locking Cover, 1" NPT (25.4 mm)	•		
7645-QCVLNP	Quick Coupling Valve with Lavender Locking Cover, 1" NPT (25.4 mm)	•	•	•

Quick Coupler Keys Swivel Elbows (NPT) Specifications

MODEL	DESCRIPTION
8810-ELL	3/4" Female NPT x 3/4" Male Hose
8811-ELL	1" Female NPT x 3/4" Male Hose
8812-ELL	1" Female NPT x 1" Male Hose



8810-ELL



8811-ELL



8812-ELL

Quick Coupling Key Specifications

MODEL	DESCRIPTION
7640-QCVKEY	Quick Coupling Key, 3/4" male x 1/2" female
7641-QCVKEY	Quick Coupling Key, 1" male x 3/4" female
8649-QCVKEY	QCV Locking Cover Key



8649-QCVKEY



7640-QCVKEY



7641-QCVKEY

PRK-24 (XPR)

Pressure Regulator

MAXIMUM INLET PRESSURE

150 PSI (10.3 BAR)

MINIMUM PRESSURE DIFFERENTIAL

10 PSI (0.7 BAR) between inlet and outlet

REGULATED PRESSURE RANGE AT OUTLET

15 - 110 PSI (±5 PSI)

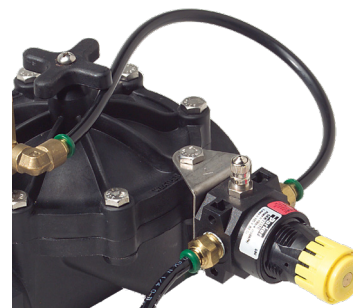
1.0 - 7.6 BAR (± 0.35 BAR)

FLOW RANGE

See valve tables

FEATURES

- The Weathermatic PRK-24 (XPR) pressure regulating module senses inlet pressure and maintains constant outlet pressure regardless of inlet pressure variation
- Manual flow and bleed control
- Regulates pressure when valve is operated electrically or manually
- Downstream connection for accurate pressure sensing
- Schrader valve for connecting pressure gauge



NO. 910

Automatic Drain Valve

FEATURES

- Small, compact, spring-loaded valve designed especially to drain sprinkler systems
- Fine screen on intake and drain ends prevents clogging from either direction
- Has a 5 oz. bronze spring that opens valve against a 6' head (1.8 m/hd) of water, insuring drainage in all sections of the system
- Drain will close tight on three pounds line pressure
- Not recommended for pipe lines under continuous pressure
- 1/2" male IPS connection



PRG-24

Pressure Hose Gauge Assembly

FEATURES

- Monitors valve outlet pressure
- Quick connect hose fitting for Schrader valve on Weathermatic PRK-24 (XPR) regulators
- Gauge provides accurate reading of outlet pressure on 0 - 160 PSI scale or secondary 0 - 1100 KPA unit scale; 36" (91 cm) long high-pressure hose permits easy reading of gauge



NO. 906 & 906L

Valve Caps

FEATURES

- Provides access to manual valves
- Brass hinged cover
- Molded high-impact plastic body allows welding to 2" PVC pipe
- 906L has locking cover
- Key (8649-QCVKEY) may be ordered separately



PRE-FILLED VALVE WIRING CONNECTORS

FEATURES

- Eliminates sealant mess
- Quick, easy and waterproof
- WC - 14 accommodates 10, 12, or 14 gauge wire sizes
- WC - 18 accommodates 16, 18, or 22 gauge wire sizes



NO. 907A & 907B

Valve Keys

MODEL	DESCRIPTION
907A	Valve Key 33"
907B	Valve Key 60"

SPRAYS & NOZZLES

HOSE NOZZLES



Hot Shot™ with Regulator Multi-Pattern Nozzles

If you could only have one nozzle, this would be it. This heavy duty Hot Shot™ sprays hot spots, jet cleans equipment and soaks even the most delicate plant material. the Hot Shot™ is available with a lavender nozzle for use in non-potable applications. The Hot Shot™ is available in both 3/4" and 1" hose threads.

Hot Shot™ Specifications

MODEL	DESCRIPTION
DN075HSM	Hot Shot™ Multi-Pattern Hose Nozzle 3/4" Hose thread
DN075HSMP	Hot Shot™ Multi-Pattern Hose Nozzle 3/4" Hose thread (Lavender)
DN100HSM	Hot Shot™ Multi-Pattern Hose Nozzle 1" Hose thread
DN100HSMP	Hot Shot™ Multi-Pattern Hose Nozzle 1" Hose thread (Lavender)



DN100HSMP

DN100HSM

Cool Shot™ and Cool Shot™ Plus Shower Head Nozzles

The Cool Shot™ families of nozzles are available in three varieties, the standard Cool Shot™, the Cool Shot™ Plus, and the Cool Shot™ Plus Economy. the Cool Shot's™ shower pattern is perfect for soaking or heavy watering of all types of plant material. the Cool Shot™ Plus with regulator includes on - off flow control and the Cool Shot™ Plus Economy gives you all the same great features while taking advantage of the cost saving plastic construction. All Cool Shot™ nozzles are available in both 3/4" and 1" sizes. All Cool Shot™ nozzles can be ordered with the lavender non-potable water nozzles preinstalled.

Cool Shot™ Specifications

MODEL	DESCRIPTION
DN075CS	Cool Shot™ Shower-Pattern Hose Nozzle 3/4" Hose thread
DN075CS-L	Cool Shot™ Shower-Pattern Hose Nozzle 3/4" Hose thread (Lavender)
DN100CS	Cool Shot™ Shower-Pattern Hose Nozzle 1" Hose thread
DN100CS-L	Cool Shot™ Shower-Pattern Hose Nozzle 1" Hose thread (Lavender)



DN100CS-L

DN100CS

Cool Shot™ Plus Shower Pattern Specifications

MODEL	DESCRIPTION
DN075CSP	Cool Shot™ Plus Shower-Pattern Hose Nozzle 3/4" Hose thread
DN075CSP-L	Cool Shot™ Plus Shower-Pattern Hose Nozzle 3/4" Hose thread (Lavender)
DN100CSP	Cool Shot™ Plus Shower-Pattern Hose Nozzle 1" Hose thread
DN100CSP-L	Cool Shot™ Plus Shower-Pattern Hose Nozzle 1" Hose thread (Lavender)



DN075CSP

DN100CSP

DN075CSP-L

DN100CSP-L

Cool Shot™ Plus Shower Economy Pattern Specifications (Plastic)

MODEL	DESCRIPTION
DN075CSPE	Cool Shot™ Plus Economy Shower-Pattern Hose Nozzle 3/4" Hose thread
DN100CSPE-L	Cool Shot™ Plus Economy Shower-Pattern Hose Nozzle 1" Hose thread (Lavender)



DN075CSPE



Fan Shot™ and Fan Shot™ Plus

The Fan Shot is a slotted fan spray nozzle designed for various flows both with and without regulators. The Fan Shot is available in 3/4" and 1" models. All of the color coded nozzles can be purchased on regulated or non-regulated bodies, individually or in a combo kit. Blue = 30 gpm, Red = 20 gpm, Yellow = 10 gpm.

Fan Shot™ Fan-Spray Pattern Specifications

MODEL	DESCRIPTION
DN075FS10	FanShot™ Nozzle, 10 GPM Yellow Nozzle, 3/4" Hose thread
DN075FS20	FanShot™ Nozzle, 20 GPM Red Nozzle, 3/4" Hose thread
DN075FS30	FanShot™ Nozzle, 30 GPM Blue Nozzle, 3/4" Hose thread
DN100FS10	FanShot™ Nozzle, 10 GPM Yellow Nozzle, 1" Hose thread
DN100FS20	FanShot™ Nozzle, 20 GPM Red Nozzle, 1" Hose thread
DN100FS30	FanShot™ Nozzle, 30 GPM Blue Nozzle, 1" Hose thread

Fan Shot™ Plus Fan-Spray Pattern Specifications

MODEL	DESCRIPTION
DN100FSP10	FanShot™ Plus with 10 GPM Yellow Nozzle, 1" Hose thread
DN100FSP20	FanShot™ Plus with 20 GPM Red Nozzle, 1" Hose thread
DN100FSP30	FanShot™ Plus with 30 GPM Blue Nozzle, 1" Hose thread

Suction Hand Pump

MODEL	DESCRIPTION
DN100G	The Guzzler™ High Suction Hand Pump



DN100FSP10



DN100FSP20



DN100FSP30

Save Water. Give Life.

Water is the fastest growing utility expense today, but also suffers from the highest degree of waste, often exceeding 50%. At the same time, 785 million people in the 3rd world lack access to safe drinking water. Think about that for a moment. Herein lies a life-changing challenge and opportunity!

Our "Save Water. Give Life" mission directly links every Weathermatic product purchase to the gift of life-saving water through drilling clean water wells for communities in crisis. So please join us by applying our market-leading smart technology and world class quality products and services.

Let's make a difference together by putting first things first.

Because we know in our businesses and in our lives:



Learn more. Scan the QR code with your mobile device camera.

It all starts with WATER!

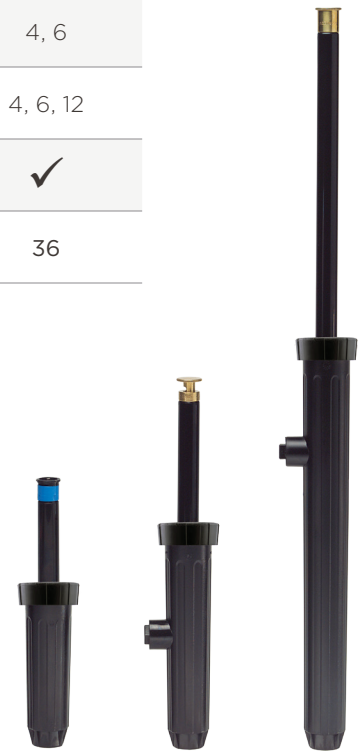
771 Million
people lack access to
Clean Drinking Water

How can you help
change that?

OVERVIEW

	MAX4, MAX6, MAX12	MAXPRS30	MAXPRS40	MAXPRS30-CV	MAXPRS40-CV
Pop-up Height	4, 6, 12	4, 6, 12	4, 6, 12	4, 6, 12	4, 6, 12
Double-strength Retraction Spring	✓	✓	✓	✓	✓
Dual Pressure Activated Seal	✓	✓	✓	✓	✓
Side Inlet	6, 12	6, 12	6, 12	6, 12	6, 12
Warranty	5 Years	5 Years	5 Years	5 Years	5 Years
High Pressure		✓	✓	✓	✓
Slopes				✓	✓
Multi-stream Nozzles			✓		✓
Standard Nozzles	✓	✓		✓	
Low Pressure	✓				
Turfgrass	4, 6	4, 6	4, 6	4, 6	4, 6
Shrubs	4, 6, 12	4, 6, 12	4, 6, 12	4, 6, 12	4, 6, 12
Reclaimed Water	✓	✓	✓	✓	✓
See page	35	36	36	36	36

NO OTHER SPRAY FEATURES THESE INDUSTRY FIRSTS	Weathermatic MAX Spray	Competitor
Dual pressure activated seal (cap/riser & cap/body)	✓	✗
Standard models use CV strength retraction spring with reversible design for easy assembly in the field	✓	✗
Eight (8) internal ribs for improved strength	✓	✗
Easy grip body and cap	✓	✗



Max Sprays

DIMENSIONS 1/2" FEMALE THREADED INLETS

MODEL	POP-UP HEIGHT	BODY HEIGHT
MAX4	4" (10 cm)	6.25" (15.9 cm)
MAX6	6" (15 cm)	8.5" (21.6 cm)
MAX12	12" (30 cm)	15.25" (38.7 cm)
Exposed Cover		2.25" (5.7 cm)

PRESSURE RANGE

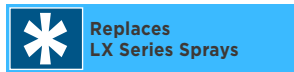
15 - 70 PSI (1.0 - 4.8 BAR)

FLOW BY

Zero @ 5 PSI (0.3) or greater

FACTORY INSTALLED CHECK VALVE

14 ft/hd @ 18 PSI (4.3 m/hd @ 1.2 BAR)



FEATURES

MAX SEAL

- Industry first dual pressure-activated seal with 720 degree sealing surface around flow tube stem, cap, and body eliminates stick-ups and cap to body leaks
- Industry standard white Santoprene seal for ultimate performance

MAX SPRING

- Industry's strongest spring for positive retraction
- Corrosion resistant stainless steel material for long life
- Unique reversible spring design can be installed in either direction for simple, fast field assembly

MAX LEVEL CAP

- Flat cap and easy pull up, low profile flush plug for sprinkler leveling
- Superior labeling process allows better identification and customization

MAX NOZZLE OPTIONS

- Compatible with all industry-standard female thread nozzles

Max Spray Specifications

MODEL	DESCRIPTION
MAX4	4" Pop-Up Height
MAX6	6" Pop-Up Height
MAX12	12" Pop-Up Height

MAX AND MAXPRS ACCESSORIES

Max and Max PRS Spray Specifications

MODEL	DESCRIPTION
MAX-EXT	6" Riser Extension
MAXS	Shrub Adapter, 1/2" Female Inlet Threads
MAX-NP	Non-Potable Cover



SPRAYS & NOZZLES

MAX PRS SPRAYS

Max PRS Sprays

DIMENSIONS 1/2" FEMALE THREADED INLETS

VALVE	POP-UP HEIGHT	BODY HEIGHT
MAX4PRS30 / MAX4PRS30-CV MAX4PRS40 / MAX4PRS40-CV	4" (10 cm)	6.25" (15.9 cm)
MAX6PRS30 / MAX6PRS30-CV MAX6PRS40 / MAX6PRS40-CV	6" (15 cm)	8.5" (21.6 cm)
MAX12PRS30 / MAX12PRS30-CV MAX12PRS40 / MAX12PRS40-CV	12" (30 cm)	15.25" (38.7 cm)
Exposed Cover		2.25" (5.7 cm)

FACTORY INSTALLED CHECK VALVE

14 ft/hd @ 18 PSI (4.3 m/hd @ 1.2 BAR)



FEATURES

MAX SEAL

- Industry first dual pressure-activated seal with 720 degree sealing surface around flow tube stem, cap, and body eliminates stick-ups and cap to body leaks
- Industry standard white Santoprene seal for ultimate performance

MAX SPRING

- Industry's strongest spring for positive retraction
- Corrosion resistant stainless steel material for long life
- Unique reversible spring design can be installed in either direction for simple, fast field assembly

MAX SELF-CLEANING CHECK VALVE

- Enhanced debris resistance through expanded surface area
- Tapered design for self-cleaning operation
- Positive seal even in dirty water environment

MAX PRESSURE REGULATION

- Reduces water consumption by up to 50%
- Eliminates wasted water caused by high pressure - no misting and fogging
- Optimizes outlet pressure for consistent performance, even with pressure variations

MAX LEVEL CAP

- Flat cap and easy pull up, low profile flush plug for sprinkler leveling
- Superior labeling process allows better identification and customization

MAX NOZZLE OPTIONS

- Compatible with all industry-standard female thread nozzles



MAX4PRS30
MAX4PRS40

MAX6PRS30
MAX6PRS40

MAX12PRS30
MAX12PRS40
WITH SIDE - INLET

Max PRS Spray Specifications

MODEL	DESCRIPTION
MAX4PRS30	MAX4 Pop-Up Sprayhead with 30 PSI regulated stem
MAX6PRS30	MAX6 Pop-Up Sprayhead with 30 PSI regulated stem
MAX12PRS30	MAX6 Pop-Up Sprayhead with 30 PSI regulated stem
MAX4PRS30-CV	MAX4 Pop-Up Sprayhead with 30 PSI regulated stem & Check Valve
MAX6PRS30-CV	MAX6 Pop-Up Sprayhead with 30 PSI regulated stem & Check Valve
MAX12PRS30-CV	MAX6 Pop-Up Sprayhead with 30 PSI regulated stem & Check Valve
MAX4PRS40	MAX4 Pop-Up Sprayhead with 40 PSI regulated stem
MAX6PRS40	MAX6 Pop-Up Sprayhead with 40 PSI regulated stem
MAX12PRS40	MAX6 Pop-Up Sprayhead with 40 PSI regulated stem
MAX4PRS40-CV	MAX4 Pop-Up Sprayhead with 40 PSI regulated stem & Check Valve
MAX6PRS40-CV	MAX6 Pop-Up Sprayhead with 40 PSI regulated stem & Check Valve
MAX12PRS40-CV	MAX6 Pop-Up Sprayhead with 40 PSI regulated stem & Check Valve



Save Water. Give Life.
25 gallons
given per spray



Max MPR Nozzle

PRECIPITATION RATE

1.67 - 5.33" per hour (37 - 144 mm/h)

SPACING

5 - 15' (1.5 - 4.6 m)

PRESSURE

15 - 30 PSI (1.0 - 2.1 BAR)

FLOW RANGE

0.3 - 3.7 GPM (0.1 - 0.8 m³/hr)

MPR performance was determined with nozzles mounted on 4" (10.2 cm) pop-ups. ASAE standard of .01" per hour was used to determine listed radius

FEATURES

- Color-coded for easy identification
- Matched precipitation rates across sets and across Patterns in each numbered series
- MAX Series screens maintain precise radius adjustments
- (screen included with every nozzle)
- Stainless steel radius adjustment screw
- Reusable, dual compartment resealable bags

APPLICATIONS

- For use with all MAX Series sprayheads
- Fits all industry-standard sprayheads with male thread risers
- Fits MAXS, No. 72 and No. 73 Shrub Adapters



8 SERIES



10 SERIES



12 SERIES



15 SERIES



15/9 STRIP SERIES



5 STREAM/
BUBBLER SERIES

8 Series - 5° Spray Trajectory

Nozzle	Arc	Imperial					Metric				
		Pressure PSI	Radius ft.	Flow GPM	Precip. in/hr ■	Precip. in/hr ▲	Pressure BAR	Radius m	Flow m ³ /hr	Precip. mm/hr ■	Precip. mm/hr ▲
8F	360°	15	5	1.2	4.62	5.33	1.0	1.5	0.27	120	139
		20	6	1.3	3.48	4.01	1.4	1.8	0.30	93	107
		25	7	1.4	2.75	3.18	1.7	2.1	0.32	73	84
		30	8	1.6	2.41	2.78	2.1	2.4	0.36	63	72
8H	180°	15	5	0.6	4.62	5.33	1.0	1.5	0.14	124	144
		20	6	0.7	3.74	4.32	1.4	1.8	0.16	99	114
		25	7	0.7	2.75	3.18	1.7	2.1	0.16	73	84
		30	8	0.8	2.41	2.78	2.1	2.4	0.18	63	72
8T	120°	15	5	0.4	4.62	5.33	1.0	1.5	0.09	120	139
		20	6	0.4	3.21	3.70	1.4	1.8	0.09	83	96
		25	7	0.5	2.95	3.40	1.7	2.1	0.11	75	86
		30	8	0.5	2.26	2.60	2.1	2.4	0.11	57	66
8Q	90°	15	5	0.3	4.62	5.33	1.0	1.5	0.07	124	144
		20	6	0.3	3.21	3.70	1.4	1.8	0.07	86	100
		25	7	0.4	3.14	3.63	1.7	2.1	0.09	82	94
		30	8	0.4	2.41	2.78	2.1	2.4	0.09	63	72

■ Square spacing based on 50% of diameter
 ▲ Triangular spacing based on 50% of diameter
 Max radius reduction with adjustment screw is 25%

10 Series - 15° Spray Trajectory

Nozzle	Arc	Imperial					Metric				
		Pressure PSI	Radius ft.	Flow GPM	Precip. in/hr ■	Precip. in/hr ▲	Pressure BAR	Radius m	Flow m ³ /hr	Precip. mm/hr ■	Precip. mm/hr ▲
10F	360°	15	7	1.2	2.36	2.72	1.0	2.1	0.27	61	71
		20	8	1.3	1.96	2.26	1.4	2.4	0.30	52	60
		25	9	1.4	1.66	1.92	1.7	2.7	0.32	44	51
		30	10	1.6	1.54	1.78	2.1	3.0	0.36	40	46
10H	180°	15	7	0.6	2.36	2.72	1.0	2.1	0.14	63	73
		20	8	0.7	2.11	2.43	1.4	2.4	0.16	56	64
		25	9	0.7	1.66	1.92	1.7	2.7	0.16	44	51
		30	10	0.8	1.54	1.78	2.1	3.0	0.18	40	46
10T	120°	15	7	0.4	2.36	2.72	1.0	2.1	0.09	61	71
		20	8	0.4	1.80	2.08	1.4	2.4	0.09	47	54
		25	9	0.5	1.78	2.06	1.7	2.7	0.11	45	52
		30	10	0.5	1.44	1.67	2.1	3.0	0.11	37	42
10Q	90°	15	7	0.3	2.36	2.72	1.0	2.1	0.07	63	73
		20	8	0.3	1.80	2.08	1.4	2.4	0.07	49	56
		25	9	0.4	1.90	2.20	1.7	2.7	0.09	49	57
		30	10	0.4	1.54	1.78	2.1	3.0	0.09	40	46

■ Square spacing based on 50% of diameter
 ▲ Triangular spacing based on 50% of diameter
 Max radius reduction with adjustment screw is 25%

MAX MPR NOZZLE

12 Series - 30° Spray Trajectory

Nozzle	Arc	Imperial					Metric				
		Pressure PSI	Radius ft.	Flow GPM	Precip. in./hr ■	Precip. in./hr ▲	Pressure BAR	Radius m	Flow m ³ /hr	Precip. mm/hr ■	Precip. mm/hr ▲
12F	360°	15	9	1.8	2.14	2.47	1.0	2.7	0.41	56	65
		20	10	2.1	2.02	2.33	1.4	3.0	0.48	53	62
		25	11	2.4	1.91	2.20	1.7	3.3	0.55	51	58
		30	12	2.6	1.74	2.01	2.1	3.7	0.59	43	50
12H	180°	15	9	0.9	2.14	2.47	1.0	2.7	0.20	55	63
		20	10	1.0	1.93	2.22	1.4	3.0	0.23	51	59
		25	11	1.2	1.91	2.20	1.7	3.3	0.27	50	57
		30	12	1.3	1.74	2.01	2.1	3.7	0.30	44	51
12T	120°	15	9	0.6	2.14	2.47	1.0	2.7	0.14	58	67
		20	10	0.7	2.02	2.33	1.4	3.0	0.16	53	62
		25	11	0.8	1.91	2.20	1.7	3.3	0.18	50	57
		30	12	0.9	1.80	2.08	2.1	3.7	0.20	44	51
12Q	90°	15	9	0.5	2.38	2.74	1.0	2.7	0.11	60	70
		20	10	0.5	1.93	2.22	1.4	3.0	0.11	49	56
		25	11	0.6	1.91	2.20	1.7	3.3	0.14	51	59
		30	12	0.7	1.87	2.16	2.1	3.7	0.16	47	54
12TT	240°	15	9	1.1	1.93	2.46	1.0	2.7	0.25	51	65
		20	10	1.3	1.85	2.00	1.4	3.0	0.29	48	53
		25	11	1.5	1.73	1.65	1.7	3.3	0.33	45	43
		30	12	1.6	1.59	1.39	2.1	3.7	0.37	41	35
12TQ	270°	15	9	1.3	2.07	2.46	1.0	2.7	0.30	55	65
		20	10	1.5	1.96	2.00	1.4	3.0	0.35	52	53
		25	11	1.7	1.83	1.65	1.7	3.3	0.40	49	43
		30	12	1.8	1.63	1.39	2.1	3.7	0.42	41	35

■ Square spacing based on 50% of diameter
 ▲ Triangular spacing based on 50% of diameter
 Max radius reduction with adjustment screw is 25%

15 Series - 30° Spray Trajectory

Nozzle	Arc	Imperial					Metric				
		Pressure PSI	Radius ft.	Flow GPM	Precip. in./hr ■	Precip. in./hr ▲	Pressure BAR	Radius m	Flow m ³ /hr	Precip. mm/hr ■	Precip. mm/hr ▲
15F	360°	15	11	2.6	2.07	2.39	1.0	3.4	0.59	51	59
		20	12	3.0	2.01	2.32	1.4	3.7	0.68	50	57
		25	14	3.3	1.62	1.87	1.7	4.3	0.75	41	47
		30	15	3.7	1.58	1.83	2.1	4.6	0.84	40	46
15H	180°	15	11	1.3	2.07	2.39	1.0	3.4	0.30	52	60
		20	12	1.5	2.01	2.32	1.4	3.7	0.34	50	57
		25	14	1.7	1.67	1.93	1.7	4.3	0.39	42	49
		30	15	1.9	1.63	1.88	2.1	4.6	0.43	41	47
15T	120°	15	11	0.9	2.15	2.48	1.0	3.7	0.20	52	60
		20	12	1.0	2.01	2.32	1.4	3.7	0.23	50	58
		25	14	1.1	1.62	1.87	1.7	4.3	0.25	41	47
		30	15	1.2	1.54	1.78	2.1	4.6	0.27	38	44
15Q	90°	15	11	0.7	2.23	2.57	1.0	3.4	0.16	55	64
		20	12	0.8	2.14	2.47	1.4	3.7	0.18	53	61
		25	14	0.8	1.57	1.81	1.7	4.3	0.18	39	45
		30	15	0.9	1.54	1.78	2.1	4.6	0.20	38	44
15TT	240°	15	11	1.6	1.96	2.39	1.0	3.4	0.38	49	60
		20	12	1.9	1.90	2.00	1.4	3.7	0.44	48	58
		25	14	2.1	1.55	1.47	1.7	4.3	0.48	39	48
		30	15	2.3	1.47	1.28	2.1	4.6	0.53	38	46
15TQ	270°	15	11	2.1	2.24	2.39	1.0	3.4	0.49	57	60
		20	12	2.5	2.20	3.00	1.4	3.7	0.57	56	58
		25	14	2.8	1.82	1.47	1.7	4.3	0.64	46	48
		30	15	3.0	1.70	1.28	2.1	4.6	0.68	43	46

■ Square spacing based on 50% of diameter
 ▲ Triangular spacing based on 50% of diameter
 Max radius reduction with adjustment screw is 25%

15/9 Strip Series - 30° Spray Trajectory

Nozzle Pattern	Pressure PSI	W x L (ft)	Flow GPM	Precip. in./hr	Flow GPM (2)	Metric		
						Pressure BAR	Radius m (1)	Flow m ³ /hr (2)
15EST	15	4 x 13	0.5	1.85	1.0	1.2 x 4.0	0.11	46
	20	4 x 14	0.5	1.72	1.4	1.2 x 4.3	0.11	43
	25	4 x 14	0.6	2.06	1.7	1.2 x 4.3	0.14	54
	30	4 x 15	0.6	1.93	2.1	1.2 x 4.6	0.14	51
15CST	15	4 x 26	0.9	1.67	1.0	1.2 x 7.9	0.20	42
	20	4 x 28	1.0	1.72	1.4	1.2 x 8.5	0.23	45
	25	4 x 28	1.1	1.89	1.7	1.2 x 8.5	0.25	49
	30	4 x 30	1.2	1.93	2.1	1.2 x 9.1	0.27	50
15SST	15	4 x 26	0.9	1.67	1.0	1.2 x 7.9	0.20	42
	20	4 x 28	1.0	1.72	1.4	1.2 x 8.5	0.23	45
	25	4 x 28	1.1	1.89	1.7	1.2 x 8.5	0.25	49
	30	4 x 30	1.2	1.93	2.1	1.2 x 9.1	0.27	50
9SST	15	9 x 15	1.3	1.85	1.0	2.7 x 4.6	0.30	48
	20	9 x 16	1.5	2.01	1.4	2.7 x 4.9	0.34	51
	25	9 x 18	1.6	1.90	1.7	2.7 x 5.5	0.36	49
	30	9 x 18	1.7	2.02	2.1	2.7 x 5.5	0.39	53

* Precipitation based on in-line, head-to-head spacing.

5 Stream Bubbler Series - 0° Spray Trajectory

Nozzle Pattern	Pressure PSI	Radius (ft)	Flow GPM (2)	Metric		
				Pressure BAR	Radius m (1)	Flow m ³ /hr (2)
5FB	15	5	1.5	0	1.5	0.34
	20	5	1.5	1.4	1.5	0.34
	25	5	1.5	1.7	1.5	0.34
	30	5	1.5	2.1	1.5	0.34
5HB	15	5	1.0	1.0	1.5	0.23
	20	5	1.0	1.4	1.5	0.23
	25	5	1.0	1.7	1.5	0.23
	30	5	1.0	2.1	1.5	0.23
5QB	15	5	0.5	1.0	1.5	0.11
	20	5	0.5	1.4	1.5	0.11
	25	5	0.5	1.7	1.5	0.11
	30	5	0.5	2.1	1.5	0.11
5CST-B	15	5	0.5	1.0	1.5	0.11
	20	5	0.5	1.4	1.5	0.11
	25	5	0.5	1.7	1.5	0.11
	30	5	0.5	2.1	1.5	0.11

(1) Adjusted radius at pressure shown
 (2) Flow with radius adjusted to 5 ft (1.5m)

Max AAN Nozzle

PRECIPITATION RATE

1.18 - 5.74" per hour (30 - 146 mm/h)

PRESSURE

20 - 40 PSI (1.4 - 2.8 BAR)

FLOW RANGE

0.4 - 3.8 GPM (0.1 - 0.9 m3/hr)



FEATURES

- Easy grip-and-turn adjustment
- Exceptional uniform coverage
- Maintains matched precipitation rates between arcs within a radius
- Stainless steel radius adjustment screw
- Reusable, dual compartment resealable bags

APPLICATIONS

- For use with all MAX Series sprayheads
- Fits all industry-standard sprayheads with male thread risers

MAX Adjustable Arc Nozzles

Arc	Pressure PSI	E8A Trajectory: 0° Color Code: YELLOW				E10A Trajectory: 5° Color Code: RED				E12A Trajectory: 15° Color Code: GREEN				E15A Trajectory: 30° Color Code: GREY				E17A Trajectory: 30° Color Code: GREY			
		Radius ft.	Flow GPM	Precip. ■	in/hr ▲	Radius ft.	Flow GPM	Precip. ■	in/hr ▲	Radius ft.	Flow GPM	Precip. ■	in/hr ▲	Radius ft.	Flow GPM	Precip. ■	in/hr ▲	Radius ft.	Flow GPM	Precip. ■	in/hr ▲
45°	20	8	0.57	6.86	7.92	10	0.59	4.54	5.25	12	0.50	2.67	3.09	15	0.51	1.75	2.02	16	0.41	1.23	1.42
	25	8	0.62	7.46	8.61	10	0.66	5.08	5.87	12	0.61	3.26	3.77	15	0.62	2.12	2.45	16	0.48	1.44	1.67
	30	8	0.68	8.18	9.45	10	0.74	5.70	6.58	12	0.64	3.42	3.95	15	0.72	2.46	2.85	16	0.53	1.59	1.84
	35	9	0.72	6.84	7.90	11	0.80	5.09	5.88	13	0.71	3.23	3.74	16	0.76	2.29	2.64	17	0.57	1.52	1.75
90°	20	8	0.82	4.93	5.70	10	0.93	3.58	4.13	12	0.75	2.01	2.32	15	0.82	1.40	1.62	16	0.84	1.26	1.46
	25	8	0.88	5.29	6.11	10	1.00	3.85	4.45	12	0.93	2.49	2.87	15	0.93	1.59	1.84	16	0.95	1.43	1.65
	30	8	0.97	5.84	6.74	10	1.11	4.27	4.93	12	1.00	2.67	3.09	15	1.04	1.78	2.05	16	1.03	1.55	1.79
	35	9	1.03	4.90	5.65	11	1.19	3.79	4.37	13	1.10	2.51	2.89	16	1.10	1.65	1.91	17	1.08	1.44	1.66
120°	20	8	1.13	5.37	6.20	11	1.27	4.04	4.67	13	1.16	2.64	3.05	16	1.20	1.80	2.08	17	1.14	1.52	1.75
	25	8	0.90	4.06	4.69	10	1.10	3.18	3.67	12	0.87	1.74	2.01	15	1.10	1.41	1.63	16	1.02	1.15	1.33
	30	8	1.15	5.19	5.99	10	1.31	3.78	4.37	12	1.04	2.09	2.41	15	1.21	1.55	1.79	16	1.09	1.23	1.42
	35	9	1.25	5.64	6.51	10	1.41	4.07	4.70	12	1.13	2.27	2.62	15	1.33	1.71	1.97	16	1.19	1.34	1.55
180°	20	8	1.35	4.81	5.56	11	1.50	3.58	4.13	13	1.22	2.08	2.41	16	1.44	1.62	1.88	17	1.24	1.24	1.43
	25	8	1.41	5.03	5.80	11	1.60	3.82	4.41	13	1.32	2.26	2.60	16	1.50	1.69	1.95	17	1.34	1.34	1.55
	30	8	1.35	4.06	4.69	10	1.45	2.79	3.22	12	1.21	1.62	1.87	15	1.42	1.21	1.40	16	1.36	1.02	1.18
	35	9	1.47	4.42	5.11	10	1.61	3.10	3.58	12	1.28	1.71	1.98	15	1.65	1.41	1.63	16	1.53	1.15	1.33
240°	20	8	1.61	4.84	5.59	10	1.78	3.43	3.96	12	1.59	2.13	2.45	15	1.75	1.50	1.73	16	1.68	1.26	1.46
	25	8	1.74	4.14	4.78	11	1.87	2.98	3.44	13	1.73	1.97	2.28	16	1.89	1.42	1.64	16	1.82	1.37	1.58
	30	8	1.83	4.35	5.02	11	2.02	3.21	3.71	13	1.87	2.13	2.46	16	2.06	1.55	1.79	16	1.95	1.47	1.69
	35	9	1.83	4.35	5.02	11	2.02	3.21	3.71	13	1.87	2.13	2.46	16	2.06	1.55	1.79	16	1.95	1.47	1.69
270°	20	8	1.73	3.90	4.51	10	1.90	2.74	3.17	12	1.46	1.46	1.69	15	1.55	0.99	1.15	16	1.62	0.91	1.05
	25	8	1.97	4.44	5.13	10	2.12	3.06	3.53	12	1.63	1.63	1.89	15	1.75	1.12	1.30	16	1.83	1.03	1.19
	30	8	2.20	4.96	5.73	10	2.30	3.32	3.83	12	1.80	1.80	2.08	15	1.91	1.23	1.42	16	2.04	1.15	1.33
	35	9	2.40	4.28	4.94	11	2.52	3.01	3.47	13	1.94	1.66	1.91	16	2.04	1.15	1.33	16	2.22	1.25	1.45
360°	20	8	2.56	4.56	5.27	11	2.67	3.19	3.68	13	2.14	1.83	2.11	16	2.15	1.21	1.40	16	2.37	1.34	1.54
	25	8	1.87	3.75	4.33	10	2.00	2.57	2.96	12	1.54	1.37	1.58	15	2.02	1.15	1.33	16	1.96	0.98	1.13
	30	8	2.10	4.21	4.86	10	2.26	2.90	3.35	12	1.73	1.54	1.78	15	2.32	1.32	1.53	16	2.21	1.11	1.28
	35	9	2.26	4.53	5.23	10	2.47	3.17	3.66	12	1.93	1.72	1.99	15	2.51	1.43	1.65	16	2.47	1.24	1.43
360°	20	8	2.40	3.80	4.39	11	2.70	2.86	3.31	13	2.11	1.60	1.85	16	2.74	1.37	1.59	16	2.64	1.32	1.53
	25	8	2.63	4.17	4.81	11	2.98	3.16	3.65	13	2.30	1.75	2.02	16	2.97	1.49	1.72	16	2.80	1.40	1.62
	30	8	2.21	3.32	3.84	10	2.31	2.22	2.57	12	1.67	1.12	1.29	15	2.38	1.02	1.18	16	2.53	0.95	1.10
	35	9	2.52	3.79	4.38	10	2.61	2.51	2.90	12	1.89	1.26	1.46	15	2.66	1.14	1.31	16	2.86	1.08	1.24
360°	20	8	2.84	4.27	4.93	10	2.87	2.76	3.19	12	2.11	1.41	1.63	15	2.96	1.27	1.46	16	3.30	1.24	1.43
	25	8	2.99	3.55	4.10	11	3.13	2.49	2.88	13	2.27	1.29	1.49	16	3.26	1.23	1.42	16	3.43	1.29	1.49
	30	8	3.20	3.80	4.39	11	3.37	2.68	3.10	13	2.44	1.39	1.60	16	3.46	1.30	1.50	16	3.83	1.44	1.66
	35	9	3.20	3.80	4.39	11	3.37	2.68	3.10	13	2.44	1.39	1.60	16	3.46	1.30	1.50	16	3.83	1.44	1.66

MAX AAN NOZZLE



8A



10A



12A



15A



17A

MAX Adjustable Arc Nozzles - Metric

Arc	Pressure BAR	E8A Trajectory: 0° Color Code: YELLOW				E10A Trajectory: 5° Color Code: RED				E12A Trajectory: 15° Color Code: GREEN				E15A Trajectory: 30° Color Code: GREY				E17A Trajectory: 30° Color Code: GREY			
		Radius m	Flow m ³ /hr	Precip. ■	mm/hr ▲	Radius m	Flow m ³ /hr	Precip. ■	mm/hr ▲	Radius m	Flow m ³ /hr	Precip. ■	mm/hr ▲	Radius m	Flow m ³ /hr	Precip. ■	mm/hr ▲	Radius m	Flow m ³ /hr	Precip. ■	mm/hr ▲
45°	1.38	2.4	0.13	174	201	3.0	0.13	115	133	3.7	0.11	68	78	4.6	0.12	44	51	4.9	0.09	31	36
	1.72	2.4	0.14	189	219	3.0	0.15	129	149	3.7	0.14	83	96	4.6	0.14	54	62	4.9	0.11	37	42
	2.07	2.4	0.15	208	240	3.0	0.17	145	167	3.7	0.15	87	100	4.6	0.16	63	72	4.9	0.12	40	47
	2.41	2.7	0.16	174	201	3.4	0.18	129	149	4.0	0.16	82	95	4.9	0.17	58	67	5.2	0.13	39	45
	2.76	2.7	0.18	188	217	3.4	0.20	139	161	4.0	0.16	83	96	4.9	0.18	60	70	5.2	0.14	41	48
90°	1.38	2.4	0.19	125	145	3.0	0.21	91	105	3.7	0.17	51	59	4.6	0.19	36	41	4.9	0.19	32	37
	1.72	2.4	0.20	134	155	3.0	0.23	98	113	3.7	0.21	63	73	4.6	0.21	40	47	4.9	0.22	36	42
	2.07	2.4	0.22	148	171	3.0	0.25	109	125	3.7	0.23	68	78	4.6	0.24	45	52	4.9	0.23	39	45
	2.41	2.7	0.23	124	144	3.4	0.27	96	111	4.0	0.25	64	73	4.9	0.25	42	49	5.2	0.25	37	42
	2.76	2.7	0.26	136	158	3.4	0.29	103	119	4.0	0.26	67	78	4.9	0.27	46	53	5.2	0.26	39	45
120°	1.38	2.4	0.20	103	119	3.0	0.25	81	93	3.7	0.20	44	51	4.6	0.25	36	41	4.9	0.23	29	34
	1.72	2.4	0.26	132	152	3.0	0.30	96	111	3.7	0.24	53	61	4.6	0.27	39	46	4.9	0.25	31	36
	2.07	2.4	0.28	143	165	3.0	0.32	103	119	3.7	0.26	58	66	4.6	0.30	43	50	4.9	0.27	34	39
	2.41	2.7	0.31	122	141	3.4	0.34	91	105	4.0	0.28	53	61	4.9	0.33	41	48	5.2	0.28	31	36
	2.76	2.7	0.32	128	147	3.4	0.36	97	112	4.0	0.30	57	66	4.9	0.34	43	50	5.2	0.30	34	39
180°	1.38	2.4	0.31	103	119	3.0	0.33	71	82	3.7	0.28	41	47	4.6	0.32	31	36	4.9	0.31	26	30
	1.72	2.4	0.33	112	130	3.0	0.37	79	91	3.7	0.29	43	50	4.6	0.37	36	41	4.9	0.35	29	34
	2.07	2.4	0.37	123	142	3.0	0.40	87	101	3.7	0.36	54	62	4.6	0.40	38	44	4.9	0.38	32	37
	2.41	2.7	0.40	105	121	3.4	0.42	76	87	4.0	0.39	50	58	4.9	0.43	36	42	4.9	0.41	35	40
	2.76	2.7	0.42	110	128	3.4	0.46	82	94	4.0	0.42	54	62	4.9	0.47	39	45	4.9	0.44	37	43
240°	1.38	2.4	0.39	99	114	3.0	0.43	70	80	3.7	0.33	37	43	4.6	0.35	25	29	4.9	0.37	23	27
	1.72	2.4	0.45	113	130	3.0	0.48	78	90	3.7	0.37	42	48	4.6	0.40	29	33	4.9	0.42	26	30
	2.07	2.4	0.50	126	146	3.0	0.52	84	97	3.7	0.41	46	53	4.6	0.43	31	36	4.9	0.46	29	34
	2.41	2.7	0.55	109	125	3.4	0.57	76	88	4.0	0.44	42	49	4.9	0.46	29	34	4.9	0.50	32	37
	2.76	2.7	0.58	116	134	3.4	0.61	81	93	4.0	0.49	46	54	4.9	0.49	31	36	4.9	0.54	34	39
270°	1.38	2.4	0.42	95	110	3.0	0.45	65	75	3.7	0.35	35	40	4.6	0.46	29	34	4.9	0.45	25	29
	1.72	2.4	0.48	107	124	3.0	0.51	74	85	3.7	0.39	39	45	4.6	0.53	34	39	4.9	0.50	28	32
	2.07	2.4	0.51	115	133	3.0	0.56	81	93	3.7	0.44	44	50	4.6	0.57	36	42	4.9	0.56	31	36
	2.41	2.7	0.55	97	112	3.4	0.61	73	84	4.0	0.48	41	47	4.9	0.62	35	40	4.9	0.60	34	39
	2.76	2.7	0.60	106	122	3.4	0.68	80	93	4.0	0.52	44	51	4.9	0.67	38	44	4.9	0.64	36	41
360°	1.38	2.4	0.50	84	97	3.0	0.52	56	65	3.7	0.38	28	33	4.6	0.54	26	30	4.9	0.57	24	28
	1.72	2.4	0.57	96	111	3.0	0.59	64	74	3.7	0.43	32	37	4.6	0.60	29	33	4.9	0.65	27	32
	2.07	2.4	0.65	108	125	3.0	0.65	70	81	3.7	0.48	36	41	4.6	0.67	32	37	4.9	0.75	32	36
	2.41	2.7	0.68	90	104	3.4	0.71	63	73	4.0	0.52	33	38	4.9	0.74	31	36	4.9	0.78	33	38
	2.76	2.7	0.73	97	112	3.4	0.77	68	79	4.0	0.55	35	41	4.9	0.79	33	38	4.9	0.87	37	42

SPRAYS & NOZZLES

B SERIES NOZZLES

BRASS NOZZLE
SHRUB ADAPTERS



NO. 72
½" COPPER



NO. 73
½" IPS



B SERIES STRIP NOZZLES

30° and Low Angle 15° Trajectory / Matched Precipitation

Arc	Model	Pressure BAR	B3 3-5 Feet				B10 10 Feet				B12 12 Feet				B15 15 Feet				B18 18 Feet				B20 20 Feet				B24 24 Feet			
			Radius m	Flow m ³ /hr	Precip. ■	mm/hr ▲	Radius m	Flow m ³ /hr	Precip. ■	mm/hr ▲	Radius m	Flow m ³ /hr	Precip. ■	mm/hr ▲	Radius m	Flow m ³ /hr	Precip. ■	mm/hr ▲	Radius m	Flow m ³ /hr	Precip. ■	mm/hr ▲	Radius m	Flow m ³ /hr	Precip. ■	mm/hr ▲	Radius m	Flow m ³ /hr	Precip. ■	mm/hr ▲
360°	F	1.4									0.39	2.7	51	59	0.55	3.3	48	56	0.77	3.6	58	67	0.95	3.9	61	70	1.34	4.8	59	68
		1.7									0.43	2.7	57	66	0.61	3.6	46	53	0.86	3.9	55	63	1.09	4.2	60	69	1.41	5.1	58	66
		2.1									0.48	2.7	42	49	0.68	3.6	51	59	0.95	3.9	61	70	1.20	4.5	58	66	1.59	5.4	57	65
180°	H	1.4	0.07	1.5	59	68	0.14	2.4	46	53	0.23	2.7	60	70	0.32	3.3	57	65	0.45	3.6	68	78	0.55	3.9	69	80	0.75	4.8	63	73
		1.7	0.07	1.8	41	47	0.16	2.4	53	62	0.25	2.7	66	77	0.36	3.6	54	63	0.52	3.9	67	77	0.61	4.2	67	78	0.79	5.1	59	68
		2.1	0.07	2.1	30	35	0.16	2.7	42	49	0.27	3.3	48	56	0.41	3.6	61	71	0.57	3.9	72	84	0.66	4.5	63	73	0.91	5.4	60	70
90°	Q	1.4	0.07	1.5	117	136	0.07	2.4	46	53	0.11	2.7	60	70	0.16	3.3	57	65	0.23	3.6	68	78	0.27	3.9	69	80	0.41	4.8	69	79
		1.7	0.07	1.8	81	94	0.09	2.4	61	71	0.14	2.7	72	84	0.18	3.6	54	63	0.25	3.9	64	73	0.32	4.2	70	81	0.43	5.1	64	74
		2.1	0.07	2.1	60	69	0.09	2.7	48	56	0.16	3.3	57	65	0.20	3.6	61	71	0.27	3.9	69	80	0.34	4.5	65	75	0.48	5.4	63	73
120°	T	1.4	0.07	1.5	88	102	0.09	2.4	46	53	0.16	2.7	63	73	0.23	3.3	61	70	0.30	3.6	66	76	0.36	3.9	69	80	0.50	4.8	63	73
		1.7	0.07	1.8	61	71	0.11	2.4	57	66	0.16	2.7	63	73	0.25	3.6	56	65	0.32	3.9	61	70	0.41	4.2	67	78	0.55	5.1	61	70
		2.1	0.07	2.1	45	52	0.14	2.7	54	63	0.18	3.3	48	56	0.27	3.6	61	71	0.36	3.9	69	80	0.45	4.5	65	75	0.61	5.4	61	71
240°	TT	1.4					0.18	2.4	46	53	0.30	2.7	59	68	0.50	3.3	67	77	0.61	3.6	69	79	0.75	3.9	72	83	1.04	4.8	66	76
		1.7					0.20	2.4	52	60	0.34	2.7	68	78	0.55	3.6	61	71	0.73	3.9	69	80	0.84	4.2	69	80	1.18	5.1	66	76
		2.1					0.23	2.7	45	52	0.39	3.3	52	59	0.59	3.6	66	76	0.79	3.9	76	88	0.93	4.5	67	77	1.29	5.4	65	74
270°	TQ	1.4			39	45	0.20	2.4	46	53	0.32	2.7	56	65	0.55	3.3	65	75	0.70	3.6	70	81	0.86	3.9	73	85	1.18	4.8	66	76
		1.7			27	31	0.23	2.4	51	59	0.36	2.7	64	74	0.59	3.6	59	68	0.79	3.9	68	78	0.98	4.2	72	83	1.25	5.1	62	72
		2.1			20	23	0.25	2.7	44	51	0.41	3.3	48	56	0.66	3.6	66	76	0.86	3.9	73	85	1.07	4.5	68	79	1.39	5.4	61	71
105°	105	1.4													0.18	3.3	55	64	0.25	3.6	64	74	0.32	3.9	69	80				
		1.7													0.23	3.6	58	67	0.30	3.9	64	74	0.36	4.2	68	79				
		2.1													0.25	3.6	64	74	0.34	3.9	74	86	0.41	4.5	67	77				
135°	135	1.4	0.07	1.5	78	90	0.11	2.4	51	59	0.16	2.7	56	65	0.25	3.3	54	62	0.34	3.6	68	78	0.41	3.9	69	80	0.57	4.8	64	74
		1.7	0.07	1.8	54	63	0.14	2.4	61	71	0.18	2.7	64	74	0.27	3.6	54	63	0.39	3.9	66	76	0.48	4.2	70	81	0.66	5.1	65	76
		2.1	0.07	2.1	40	46	0.14	2.7	48	56	0.20	3.3	48	56	0.32	3.6	63	73	0.43	3.9	73	85	0.52	4.5	67	77	0.73	5.4	64	74
165°	165	1.4													0.30	3.3	57	66	0.41	3.6	67	77	0.52	3.9	73	84				
		1.7													0.34	3.6	56	64	0.43	3.9	60	69	0.59	4.2	71	82				
		2.1													0.39	3.6	63	73	0.52	3.9	73	84	0.66	4.5	69	79				
195°	195	1.4									0.23	2.7	56	64	0.34	3.3	56	65	0.50	3.6	69	80	0.64	3.9	75	86	0.89	4.8	69	79
		1.7									0.25	2.7	61	71	0.39	3.6	53	62	0.57	3.9	67	77	0.73	4.2	74	85	1.00	5.1	69	79
		2.1									0.30	3.3	48	56	0.43	3.6	60	69	0.64	3.9	75	86	0.79	4.5	70	81	1.11	5.4	68	79
225°	225	1.4					0.16	2.4	43	49	0.30	2.7	63	72	0.45	3.3	65	75	0.57	3.6	68	78	0.68	3.9	69	80	0.98	4.8	66	76
		1.7					0.20	2.4	55	64	0.32	2.7	68	78	0.52	3.6	62	72	0.66	3.9	67	78	0.77	4.2	68	78	1.11	5.1	66	77
		2.1					0.20	2.7	43	50	0.36	3.3	52	60	0.59	3.6	71	82	0.73	3.9	74	86	0.86	4.5	66	76	1.23	5.4	65	75

B Series Strip Nozzles

Arc	Pressure PSI	B10		B15		Pressure BAR	B10		B15	
		Flow GPM	W x L (ft)	Flow GPM	W x L (ft)		Flow m ³ /hr	W x L (m)	Flow m ³ /hr	W x L (m)
EST	20	.3	4 x 8	.6	4 x 11	1.4	0.07	1.2 x 2.4	0.14	1.2 x 3.4
	25	.4	4 x 9	.7	4 x 12	1.7	0.09	1.2 x 2.7	0.16	1.2 x 3.7
	30	.5	4 x 10	.8	4 x 13	2.1	0.11	1.2 x 3.0	0.18	1.2 x 4.0
CST	20	.7	4 x 16	1.4	4 x 22	1.4	0.16	1.2 x 4.8	0.32	1.2 x 6.7
	25	.8	4 x 18	1.6	4 x 24	1.7	0.18	1.2 x 5.5	0.36	1.2 x 6.9
	30	.9	4 x 20	1.8	4 x 26	2.1	0.20	1.2 x 6.1	0.41	1.2 x 7.9
SST	20	.7	4 x 16	1.4	4 x 22	1.4	0.16	1.2 x 4.8	0.32	1.2 x 6.7
	25	.8	4 x 18	1.6	4 x 24	1.7	0.18	1.2 x 5.5	0.36	1.2 x 6.9
	30	.9	4 x 20	1.8	4 x 26	2.1	0.20	1.2 x 6.1	0.41	1.2 x 7.9

Save Water. Give Life.
10 gallons
given per nozzle



100 SERIES SHRUB NOZZLES

100 Series Shrub Nozzles



FEATURES

- 100 Series shrub nozzles performance is identical to B Series brass nozzles.
- “Effective Radius” (see footnote 3) is provided to illustrate the excellent distribution profile of the nozzle series. Minor difference between “ER” and radius demonstrates the slope of distribution at the outer limits of coverage. This eliminates the requirement of “head-to-head” spacing.
- Fits No. 92 and 93 shrub adapters.

Shrub Adapters



NO. 92 SHRUB ADAPTER

Solder connection adapts all 100 Series part circle shrub nozzles to ½” copper tube risers



NO. 93 SHRUB ADAPTER

Adapts all 100 Series part circle shrub nozzles to ½” IPS risers

Shrub Riser Extension



NO. 901

SHRUB RISER EXTENSION

- 3” (7.6 cm) length
- Fits 100 Series Nozzles and No. 92 and 93 adapters

Standard 10° Low Angle Spray Trajectory / Matched Precipitation

Nozzle	3 - 5' Spacing (varies with application)				10' Max Spacing 1				12' Max Spacing 1				15' Max Spacing 1				18' Max Spacing 1				20' Max Spacing 1					
	Arc	PSI	No.	GPM	Radius 2	ER 3	No.	GPM	Radius 2	ER 3	No.	GPM	Radius 2	ER 3	No.	GPM	Radius 2	ER 3	No.	GPM	Radius 2	ER 3	No.	GPM	Radius 2	ER 3
180°	20	100H	.3	5	4	110H	.6	8	7	112H	1.0	9	8	115H	1.4	11	10	118H	2.0	12	11	120H	2.4	13	12	12
	25		.3	6	5		.7	8	7		1.1	9	8		1.6	12	10		2.3	13	12		2.7	14	13	13
	30		.3	7	5		.7	9	8		1.2	11	9		1.8	12	11		2.5	13	12		2.9	15	14	14
90°	20	100Q	.3	5	4	110Q	.3	8	7	112Q	.5	9	8	115Q	.7	11	10	118Q	1.0	12	11	120Q	1.2	13	12	12
	25		.3	6	5		.4	8	7		.6	9	8		.8	12	10		1.1	13	12		1.4	14	13	13
	30		.3	7	5		.4	9	8		.7	11	9		.9	12	11		1.2	13	12		1.5	15	14	14
120°	20	100A	.3	5	4									115A	1.0	11	10					120A	1.6	13	12	12
	25		.3	6	5										1.1	12	10						1.8	14	13	13
	30		.3	7	5										1.2	12	11						2.0	15	14	14
240°	20	100E	.3	5	4	110E	.9	8	7	112E	1.4	9	8					118E	3.1	12	11	120E	3.8	13	12	12
	25		.3	6	5		1.0	8	7		1.6	9	8						3.5	13	12		4.3	14	13	13
	30		.3	7	5		1.1	9	8		1.8	11	9						3.8	13	12		4.7	15	14	14

Metric

Nozzle	0.9 - 1.5 m Spacing (varies with application)				3.0 m Max Spacing 1				3.6 m Max Spacing 1				4.4 m Max Spacing 1				5.4 m Max Spacing 1				6.0 m Max Spacing 1					
	Arc	PSI	No.	m ³ /hr	Radius 2	ER 3	No.	m ³ /hr	Radius 2	ER 3	No.	m ³ /hr	Radius 2	ER 3	No.	m ³ /hr	Radius 2	ER 3	No.	m ³ /hr	Radius 2	ER 3	No.	m ³ /hr	Radius 2	ER 3
180°	1.4	100H	0.07	1.5	1.2	110H	0.14	2.4	2.1	112H	0.23	2.7	2.4	115H	0.32	3.3	3.0	118H	0.45	3.6	3.3	120H	0.55	3.9	3.6	3.6
	1.7		0.07	1.8	1.5		0.16	2.4	2.1		0.25	2.7	2.4		0.36	3.6	3.0		0.52	3.9	3.6		0.61	4.2	3.9	3.9
	2.1		0.07	2.1	1.5		0.16	2.7	2.4		0.27	3.3	2.7		0.41	3.6	3.3		0.57	3.9	3.6		0.66	4.5	4.2	4.2
90°	1.4	100Q	0.07	1.5	1.2	110Q	0.07	2.4	2.1	112Q	0.11	2.7	2.4	115Q	0.16	3.3	3.0	118Q	0.23	3.6	3.3	120Q	0.27	3.9	3.6	3.6
	1.7		0.07	1.8	1.5		0.09	2.4	2.1		0.14	2.7	2.4		0.18	3.6	3.0		0.25	3.9	3.6		0.32	4.2	3.9	3.9
	2.1		0.07	2.1	1.5		0.09	2.7	2.4		0.16	3.3	2.7		0.20	3.6	3.3		0.27	3.9	3.6		0.34	4.5	4.2	4.2
120°	1.4	100A	0.07	1.5	1.2									115A	0.23	3.3	3.0					120A	0.36	3.9	3.6	3.6
	1.7		0.07	1.8	1.5										0.25	3.6	3.0						0.41	4.2	3.9	3.9
	2.1		0.07	2.1	1.5										0.27	3.6	3.3						0.45	4.5	4.2	4.2
240°	1.4	100E	0.07	1.5	1.2	110E	0.20	2.4	2.1	112E	0.32	2.7	2.4					118E	0.70	3.6	3.3	120E	0.86	3.9	3.6	3.6
	1.7		0.07	1.8	1.5		0.23	2.4	2.1		0.36	2.7	2.4						0.79	3.9	3.6		0.98	4.2	3.9	3.9
	2.1		0.07	2.1	1.5		0.25	2.7	2.4		0.41	3.3	2.7						0.86	3.9	3.6		1.07	4.5	4.2	4.2

- Maximum triangular spacing. Climate, wind and nozzle performance should be considered for design spacing. Example: many designers de-rate spacing by using 90% of maximum for average site conditions.
- Listed radius determined by ASAE industry standard measurement of .01” (0.3 mm) per hour. Nozzle mounted on 12” (30 cm) riser.

- ER “Effective Radius” indicates the most distant point at which .25” (6 mm) per hour precipitation will occur within the area of coverage.
 - For full circle shrub heads, specify B Series nozzles.
 - Precipitation: 1.2” (31 mm) per hour for half circle / 20 PSI (1.4 BAR) / maximum spacing.

Pressure Compensating Bubbler

FLOW
 .5 - 1.0 GPM (1.9 - 3.8 lpm)

SPACING
 1 - 3' (0.3 - 0.9 m)

PRESSURE
 15 - 45 PSI (1.1 - 3.2 Kg/cm2)

CONSTRUCTION
 Durable ABS plastic housing. Pressure compensating device is made of long life Buna-N rubber

(1/2" IPS connection)



NO. 106 PRESSURE COMPENSATING BUBBLER

No. 106 provides a soft, bubbling action for deep soaking. Ideal for planter boxes, tree wells or similar areas when proper drainage is available.

FEATURES

- Pressure compensating bubbler with trickle Pattern
- Inlet filter screen to prevent clogging
- Durable engineering-grade plastic construction
- Available in 1/2 GPM and 1 GPM discharge models
- Application for tree wells and bed areas

Pressure Compensating Bubbler Specifications

MODEL	DESCRIPTION
106-100	1.0 GPM

Adjustable Bubblers

FLOW
 1.1 - 2.3 GPM (0.25 - 0.52 m3/hr)

SPACING
 1 - 3' (0.3 - 0.9 m)

PRESSURE
 110 - 60 PSI (1.1 - 4.2 BAR)

CONSTRUCTION
 Durable ABS plastic housing. Pressure compensating device is made of long life Buna-N rubber

(1/2" IPS connection)



NO. 102 & 133 ADJUSTABLE BUBBLERS

No. 102 and 133 are the perfect choice for all applications where economy and/or higher flows are required. Ideal for planter boxes, tree wells or similar areas when proper drainage is available.

FEATURES

- Umbrella Pattern, full circle bubbler
- Durable engineering-grade plastic construction
- Inlet filter screen to prevent clogging
- Application for free wells and bed areas

Adjustable Bubbler Specifications

MODEL	DESCRIPTION
102	Screw adjustment
133	Knob adjustment

No. 102 & 133 Performance Data

Pressure		Flow			
		Min		Max	
PSI	Kg/cm2	GPM	lpm	GPM	lpm
20	1.4	1.3	4.9	3.0	11.4
30	2.2	1.6	6.1	4.0	15.1
45	3.2	2.0	7.6	4.5	17.0

* Flow rate for factory adjusted setting.

105 Bed Spray Nozzle



FEATURES

- The No. 105 provides a fixed, horizontal (flat) spray
- Full circle only
- This head is ideally suited for smaller, special treatment areas
- Fits No. 92 and 93 shrub adapters
- Note: diameter of coverage is based on head mounted 6" (15 cm) above grade

No. 105 Bed Spray Nozzle

Nozzle	Type	PSI	Dia. (ft)	GPM	BAR	Metric	
						Dia. (m)	m ³ /hr
•	Full	10	11	0.9	0.70	3.3	0.20
•	Full	15	13	1.1	1.00	3.9	0.25
•	Full	18	14	1.2	1.25	4.2	0.27

IMPACTS 6700 PRO IMPACT



6700 Pro Impact

DIMENSIONS

POP-UP HEIGHT: 3" (7.6 cm)

BODY HEIGHT: 9 1/4" (23.5 cm)

TOP DIAMETER: 5" (12.7 cm)

INLET SIZE

Bottom: 1/2" and 3/4" (1.27 cm and 1.9 cm)

Side: 1/2" (1.27 cm)

OPERATING RANGE

25-60 psi

PART-CIRCLE RANGE

20° - 340°

OPTIMUM PRESSURE

40 psi

MAXIMUM PRESSURE

60 psi

- Includes seven easily interchangeable, color-coded nozzles and 2 low-angle nozzles
- No tool is required to change nozzles
- Heavy-duty plastic case with sturdy, reinforced ribbed design
- Double-weighted arm for slower rotation and increased distance of throw
- Powerful reverse action
- Adjustable arm spring for low-pressure and low-gallage operation
- Full-circle or adjustable arc 20° to 340°
- Distance controller diffuser pin
- Multi-function, pressure-activated wiper seal
- Inlet filter screen
- Combination 1/2" (1,27 cm) or 3/4" (1,9 cm) bottom inlet
- Side inlet 1/2" (1,27 cm)
- Serviceable through the top of the case

6700 Specifications

MODEL	DESCRIPTION
6700	Pro Impact



ACCESSORIES

MODEL	DESCRIPTION
6701	Lavender Cover
8601	Wrench
8820	Anti Drain Valve (ADV)



6701



8820



8601

6700 Pro & 1370 Impact Performance

Nozzle	Pressure PSI	Max. Radius ¹ ft.	Discharge gpm	Precipitation Rate ¹		Metric				
				in/hr ■	in/hr ▲	Pressure BAR	Max. Radius ¹ m	Discharge L/min	Precipitation Rate ¹ mm/hr ■	mm/hr ▲
6 Red	25	34	1.5	0.25	0.29	1.72	10.36	5.68	3.17	3.66
	35	38	1.8	0.24	0.28	2.41	11.58	6.81	3.05	3.52
	45	38	2.1	0.28	0.32	3.10	11.58	7.95	3.56	4.11
	55	38	2.4	0.32	0.37	3.79	11.58	9.08	4.06	4.69
	60	38	2.5	0.33	0.39	4.14	11.58	9.46	4.23	4.89
7 Black	25	37	2.1	0.30	0.34	1.72	11.28	7.95	3.75	4.33
	35	39	2.4	0.30	0.35	2.41	11.89	9.08	3.86	4.45
	45	39	2.8	0.35	0.41	3.10	11.89	10.60	4.50	5.20
	55	41	3.0	0.34	0.40	3.79	12.50	11.36	4.36	5.04
	60	41	3.2	0.37	0.42	4.14	12.50	12.11	4.65	5.37
8 Blue	25	38	2.4	0.32	0.37	1.72	11.58	9.08	4.06	4.69
	35	40	2.9	0.35	0.40	2.41	12.19	10.98	4.43	5.12
	45	40	3.2	0.39	0.44	3.10	12.19	12.11	4.89	5.65
	55	41	3.7	0.42	0.49	3.79	12.50	14.01	5.38	6.21
	60	42	3.8	0.41	0.48	4.14	12.80	14.38	5.27	6.08
10 Yellow	25	33	3.0	0.53	0.61	1.72	10.06	11.36	6.73	7.78
	35	34	3.6	0.60	0.69	2.41	10.36	13.63	7.61	8.79
	45	34	4.1	0.68	0.79	3.10	10.36	15.52	8.67	10.01
	55	34	4.6	0.77	0.88	3.79	10.36	17.41	9.73	11.23
	60	34	4.8	0.80	0.92	4.14	10.36	18.17	10.15	11.72
12 Beige	25	32	4.0	0.75	0.87	1.72	9.75	15.14	9.55	11.03
	35	37	5.0	0.70	0.81	2.41	11.28	18.93	8.93	10.31
	45	39	5.7	0.72	0.83	3.10	11.89	21.58	9.16	10.58
	55	43	6.3	0.66	0.76	3.79	13.11	23.85	8.33	9.62
	60	-	-	-	-	4.14	-	-	-	-
7LA Black	25	36	2.2	0.33	0.38	1.72	10.97	8.33	4.15	4.79
	35	37	2.7	0.38	0.44	2.41	11.28	10.22	4.82	5.57
	45	39	3	0.38	0.44	3.10	11.89	11.36	4.82	5.57
	55	40	3.4	0.41	0.47	3.79	12.19	12.87	5.19	6.00
	60	41	3.5	0.40	0.46	4.14	12.50	13.25	5.09	5.88
10LA Yellow	25	23	3.1	1.13	1.30	1.72	7.01	11.73	14.33	16.54
	35	25	3.6	1.11	1.28	2.41	7.62	13.63	14.08	16.26
	45	27	4.2	1.11	1.28	3.10	8.23	15.90	14.08	16.26
	55	27	4.6	1.22	1.40	3.79	8.23	17.41	15.43	17.81
	60	29	4.8	1.10	1.27	4.14	8.84	18.17	13.95	16.11

¹ Precipitation rates for square and triangular spacing calculated at 50% of diameter for half-circle operation.

Assumes zero wind for precipitation and radius. Adjust for local conditions.



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IMPACT SPRINKLER HEADS



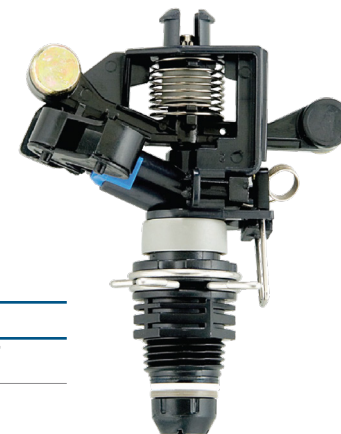
1370

Adjustable Beta Head

- Includes five easily interchangeable, seven nozzles and 2 low-angle nozzles.
- No tool is required to change nozzles
- 1/2" (1.27 cm) male threads
- Non-clog nozzle and straight-through flow design
- Sealed bearing keeps dirt and debris out
- Anti-backsplash arm keeps water off buildings
- Adjust pattern and spray with diffuser pin and exclusive Click-Set® trip collars
- Use 1370s for riser installations
- Diffuser pin maintains set spray pattern adjustment

1370 Specifications

MODEL	DESCRIPTION
1370	Adjustable Beta head with 1/2" (1.27 cm) bearing



1973

Whiz Head Rotary Sprinkler

- Ideal for riser installations in planting areas
- 1/2" (1.27 cm) female threaded inlet
- Made of high-impact corrosion resistant plastic
- Stainless steel bearing and large orifice nozzle



Whiz Head Performance

	Imperial			Metric		
	Pressure Age	Flow	Cover-Dia.	Pressure Age	Flow	Cover-Dia.
	PSI	gpm	ft	BAR	l/min	m
Whiz Head	30	3.4	40	2	12.8	12.2
	40	3.9	40	2.7	14.7	12.2
	50	4.4	40	3.5	16.6	12.2

1973 Specifications

MODEL	DESCRIPTION
1973	Whiz Head Rotary Sprinkler

	D50 Series	D55 Series	D70 Series	D75 Series
				
	D50 SERIES	D55 SERIES	D70 SERIES	D75 SERIES
Inlet Size	1" Female Acme (25.4 mm)	1" Female Acme (25.4 mm)	1½" Female Acme (38.1 mm)	1½" Female Acme (38.1 mm)
Operating Range	50 - 80 PSI (3.4 - 5.5 BAR)	50 - 80 PSI (3.4 - 5.5 BAR)	60-100 PSI (4.1 - 6.9 bar)	60-100 PSI (4.1 - 6.9 bar)
Maximum Pressure	100 PSI (6.9 bar)	100 PSI (6.9 bar)	100 PSI (6.9 bar)	100 PSI (6.9 bar)
Minimum Pressure	40 PSI (2.7 bar)	40 PSI (2.7 bar)	40 PSI (2.7 bar)	40 PSI (2.7 bar)
Full Circle Fixed Arc	✓		✓	
Part Circle Adjustable Arc		✓		✓
Electric Valve-in-Head	Model D50E	Model D55E	Model D70E	Model D75E
Hydraulic Valve-in-Head	Model D50H	Model D55H	Model D70H	Model D75H
Check Valve	✓	✓	✓	✓
Adjustable Pressure Regulation	Model D50E	Model D55E	Model D70E	Model D75E
Top Serviceable	✓	✓	✓	✓
Manual On/Off Feature				
Nozzle Assortment Included	✓	✓	✓	✓
Dual Direction Flushing	✓	✓	✓	✓
25% Radius Adjustment	✓	✓	✓	✓
Dual Nozzle "X" Model Available				✓
NPT Inlet Adapters Available	✓	✓	✓	✓
See page	53	53	55	55

D50/D55 SERIES GOLF ROTOR



D50/D55 Series

Golf Rotor

DIMENSIONS

POP-UP HEIGHT: 4" (10 cm)

BODY HEIGHT:

9 3/4" (24.8 cm) D50/D55C Series,
D50/D55E Series and
D50/D55H Series

8 1/4" (20.9 cm) D50B Series

TOP DIAMETER:

6 1/2" (17.1 cm) D50/D55C Series,
D50/D55E Series and
D50/D55H Series

6" (15.2 cm) D50B Series

INLET SIZE

1" (25.4 mm) female Acme

OPERATING RANGE

50-80 psi (3.4 - 5.5 bar)

MAXIMUM PRESSURE

100 psi (6.9 bar)

MINIMUM PRESSURE

40 psi (2.7 bar)

CHECK VALVE MODELS

Holds back up to 15' (4.5 m) difference
in elevation

FEATURES

- A full 4-inch pop-up clears tall turfgrass for even coverage.
- Rolled-over flange keeps turfgrass clear of riser and nozzle.
- Stainless-steel riser resists damage and vandalism.
- Tough, commercial-grade plastic case stands up to punishment.
- Special design eliminates blow-by and reduces pressure loss to improve system performance.
- Dual-direction flushing protects internals from debris and ensures positive pop-up/down.
- Uniform coverage with square or triangular spacing.
- Full-circle and adjustable patterns for maximum flexibility.
- Easy arc adjustment in the field without any tools.
- Nozzle kit offers fully interchangeable nozzles and is included with each rotor.
- Unique manual On/Off control for hydraulic rotors.
- Heavy-duty spring assures positive retraction.
- Radius can be adjusted up to 25 percent for best coverage.
- Compact cartridge design allows for quick and easy repair.
- Quick lock design allows internals to be serviced from the rotor's top.
- D50/D55 C Models include factory-installed check valve
- D50/D55 E Models feature electric valve and head
- D50/D55 H Models are N.O. hydraulically controlled
- D50/D55 B Compact Models feature factory-installed check valve
- D55 X-Series are dual part-circle rotors with adjustable radii

D50 Series Specifications

MODEL	DESCRIPTION
D50C25A*	1" Full Circle Rotor with Check Valve, Acme
D50E2570A*	1" Full Circle Rotor, Electric VIH, Acme
D50H25A*	1" Full Circle Rotor, Hydraulic VIH, Acme
D50B25A*	1" Full Circle Block Rotor, with Check Valve Acme

- * Pressure Regulation (electric model only)
- * 60, 70 (Standard Pressure), or 80 PSI
- * Inlet thread availability; NPT, BSP, or Acme (standard stocking item)
- * Re-Claimed Water versions available



D55 series Specifications

MODEL	DESCRIPTION
D55C25A*	1" Part Circle Rotor with Check Valve, Acme
D55E2570A*	1" Part Circle Rotor, Electric VIH, Acme
D55H25A*	1" Part Circle Rotor, Hydraulic VIH, Acme
D55B25A*	1" Part Circle Block Rotor, with Check Valve, Acme
D55XC2514A*	1" X-Series Dual Nozzle Part Circle Rotor, with Check Valve, Acme
D55XE251470A*	1" X-Series Rotor, Electric VIH, Acme
D55XH2514A*	1" X-Series Rotor, Hydraulic VIH, Acme

- * Pressure Regulation (electric model only)
- * 60, 70 (Standard Pressure), or 80 PSI
- * Inlet thread availability; NPT, BSP, or Acme (standard stocking item)
- * Re-Claimed Water versions available



INLET ADAPTERS

MODEL	DESCRIPTION
ADPT100B	Inlet Bushing Adapter - 1" Male Acme x 1" Female BSPT
ADPT100N	Inlet Bushing Adapter - 1" Male Acme x 1" Female NPT
ADPT155B	Inlet Bushing Adapter - 1-1/4" Male Acme x 1-1/2" Female BSPT
ADPT155N	Inlet Bushing Adapter - 1-1/4" Male Acme x 1-1/2" Female NPT

ACCESSORIES

MODEL	DESCRIPTION
D001	Snap ring/pilot valve tool
D002	Pilot valve key
D003	1" Valve insertion tool

D50/D55 SERIES GOLF ROTOR



DT50 Series Performance

Nozzle						Metric						
	Pressure	Max. Radius*	Discharge	Precipitation Rate ¹		Pressure	Max. Radius*	Discharge	Precipitation Rate ¹			
	PSI	ft.	gpm	in/hr ■	in/hr ▲	BAR	kPa	m	L/s	m ³ /hr	mm/hr ■	mm/hr ▲
8 Black	60	37	7.9	0.56	0.64	4.1	410	11.2	0.5	1.8	14.18	16.37
	70	37	10.1	0.71	0.82	4.8	480	11.2	0.6	2.3	18.13	20.93
	80	-	-	-	-	5.5	550	-	-	-	-	-
12 Gray	60	39	9.9	0.63	0.72	4.1	410	11.9	0.6	2.2	15.99	18.47
	70	39	11.5	0.73	0.84	4.8	480	11.9	0.7	2.6	18.58	21.45
	80	-	-	-	-	5.5	550	-	-	-	-	-
14 Yellow	60	47	13.8	0.60	0.69	4.1	410	14.3	0.9	3.1	15.35	17.3
	70	47	15.4	0.67	0.78	4.8	480	14.3	1.0	3.5	17.13	19.78
	80	-	-	-	-	5.5	550	-	-	-	-	-
16 Orange	60	51	16.9	0.63	0.72	4.1	410	15.5	1.1	3.8	15.97	18.44
	70	55	18.3	0.58	0.67	4.8	480	16.7	1.2	4.2	14.87	17.17
	80	-	-	-	-	5.5	550	-	-	-	-	-
18 Brown	60	53	19.8	0.68	0.78	4.1	410	16.1	1.2	4.5	17.32	20.00
	70	57	20.2	0.60	0.69	4.8	480	17.3	1.3	4.6	15.28	17.64
	80	-	-	-	-	5.5	550	-	-	-	-	-
19 Red	60	55	19.7	0.63	0.72	4.1	410	16.7	1.2	4.5	16.00	18.48
	70	55	21.1	0.67	0.78	4.8	480	16.7	1.3	4.8	17.14	19.79
	80	59	22.2	0.61	0.71	5.5	550	18.0	1.4	5.0	15.59	18.00
25 Blue	60	59	22.6	0.63	0.72	4.1	410	17.9	1.4	5.1	15.95	18.42
	70	67	26.6	0.57	0.66	4.8	480	20.4	1.7	6.0	14.56	16.81
	80	69	28.5	0.58	0.67	5.5	550	21.0	1.8	6.5	14.63	16.90
28 Green	60	62	28.0	0.70	0.81	4.1	410	18.8	1.8	6.4	17.90	20.67
	70	71	30.8	0.59	0.68	4.8	480	21.6	1.9	7.0	15.01	17.34
	80	72	32.4	0.60	0.70	5.5	550	21.9	2.0	7.4	15.28	17.64

¹ Precipitation rates for square and triangular spacing calculated at 50% of diameter for half-circle operation. Assumes zero wind for precipitation and radius. Adjust for local conditions.

DT55 Series Performance

Nozzle						Metric						
	Pressure	Max. Radius*	Discharge	Precipitation Rate ¹		Pressure	Max. Radius*	Discharge	Precipitation Rate ¹			
	PSI	ft.	gpm	in/hr ■	in/hr ▲	BAR	kPa	m	L/s	m ³ /hr	mm/hr ■	mm/hr ▲
8 Black	60	37	7.9	0.56	0.64	4.1	410	11.2	0.5	1.8	14.18	16.37
	70	37	10.1	0.71	0.82	4.8	480	11.2	0.6	2.3	18.13	20.93
	80	-	-	-	-	5.5	550	-	-	-	-	-
12 Gray	60	40	9.0	0.54	0.63	4.1	410	12.2	0.6	2.0	13.82	15.96
	70	40	12.0	0.72	0.83	4.8	480	12.2	0.8	2.7	18.43	21.28
	80	-	-	-	-	5.5	550	-	-	-	-	-
14 Yellow	60	49	11.9	0.48	0.55	4.1	410	14.9	0.8	2.7	12.18	14.06
	70	47	14.5	0.63	0.73	4.8	480	14.3	0.9	3.3	16.13	18.63
	80	-	-	-	-	5.5	550	-	-	-	-	-
16 Orange	60	53	15.0	0.51	0.59	4.1	410	16.1	0.9	3.4	13.12	15.15
	70	51	16.3	0.60	0.70	4.8	480	15.5	1.0	3.7	15.40	17.78
	80	-	-	-	-	5.5	550	-	-	-	-	-
18 Brown	60	57	16.8	0.50	0.58	4.1	410	17.3	1.1	3.8	12.71	14.67
	70	55	18.3	0.58	0.67	4.8	480	16.7	1.2	4.2	14.87	17.17
	80	-	-	-	-	5.5	550	-	-	-	-	-
19 Red	60	55	19.7	0.63	0.72	4.1	410	16.7	1.2	4.5	16.00	18.48
	70	55	21.1	0.67	0.78	4.8	480	16.7	1.3	4.8	17.14	19.79
	80	59	22.2	0.61	0.71	5.5	550	18.0	1.4	5.0	15.59	18.00
25 Blue	60	61	21.2	0.55	0.63	4.1	410	18.5	1.3	4.8	14.00	16.17
	70	59	24.4	0.68	0.78	4.8	480	17.9	1.5	5.5	17.22	19.89
	80	65	26.4	0.60	0.69	5.5	550	19.8	1.7	6.0	15.27	17.64
28 Green	60	63	26.4	0.64	0.74	4.1	410	19.2	1.7	6.0	16.35	18.87
	70	65	26.2	0.60	0.69	4.8	480	19.8	1.7	6.0	15.24	17.60
	80	67	32.4	0.66	0.76	5.5	550	20.4	1.9	6.9	16.66	19.24

¹ Precipitation rates for square and triangular spacing calculated at 50% of diameter for half-circle operation. Assumes zero wind for precipitation and radius. Adjust for local conditions.

D70/D75 SERIES GOLF ROTOR



D70/D75 Series

Golf Rotor

DIMENSIONS

POP-UP HEIGHT: 4" (10 cm)
 BODY HEIGHT: 10 3/4" (27.3 cm)
 TOP DIAMETER: 7 1/2" (19.1 cm)

INLET SIZE

1 1/2" (38.1 mm) female Acme

OPERATING RANGE

60-100 psi (4.1 - 6.9 bar)

MAXIMUM PRESSURE

100 psi (6.9 bar)

MINIMUM PRESSURE

40 psi (2.7 bar)

DISCHARGE

11.0 to 31.3 gpm (2.49 - 7.11 m³/hr)

CHECK VALVE MODELS

Holds back up to 15' (4.5 m) difference in elevation

FEATURES

- A full 4-inch pop-up clears tall turfgrass for even coverage.
- Rolled-over flange keeps turfgrass clear of riser and nozzle.
- Stainless-steel riser resists damage and vandalism.
- Tough, commercial-grade plastic case stands up to punishment.
- Special design eliminates blow-by and reduces pressure loss to improve system performance.
- Dual-direction flushing protects internals from debris and ensures positive pop-up/down.
- Uniform coverage with square or triangular spacing.
- Full-circle and adjustable patterns for maximum flexibility.
- Easy arc adjustment in the field without any tools.
- Nozzle kit offers fully interchangeable nozzles and is included with each rotor.
- Unique manual on/off control for hydraulic rotors.
- Heavy-duty spring assures positive retraction.
- Radius can be adjusted up to 25 percent for best coverage.
- Compact cartridge design allows for quick and easy repair.
- Quick lock design allows internals to be serviced from the rotor's top.
- D70/D75 C models include factory-installed check valve
- D70/D75 E models feature electric valve and head
- D70/D75 H models are N.O. hydraulically controlled
- D75 X-Series are dual part-circle rotors with adjustable radii.



D70 Series Specifications

MODEL	DESCRIPTION
D70C50A*	1 1/2" Full Circle Rotor with Check Valve, Acme
D70E5080A*	1 1/2" Full Circle Rotor, Electric VIH, Acme
D70H50A*	1 1/2" Full Circle Rotor, Hydraulic VIH, Acme

* Pressure Regulation (electric model only)
 * 60, 70 (Standard Pressure), or 80 PSI
 * Inlet thread availability; NPT, BSP, or Acme (standard stocking item)
 * Re-Claimed Water versions available

INLET ADAPTERS

MODEL	DESCRIPTION
ADPT100B	Inlet Bushing Adapter - 1" Male Acme x 1" Female BSPT
ADPT100N	Inlet Bushing Adapter - 1" Male Acme x 1" Female NPT
ADPT150B	Inlet Bushing Adapter - 1-1/4" Male Acme x 1-1/2" Female BSPT
ADPT150N	Inlet Bushing Adapter - 1-1/4" Male Acme x 1-1/2" Female NPT

D75 series Specifications

MODEL	DESCRIPTION
D75C32A*	1 1/2" Part Circle Rotor with Check Valve, Acme
D75E3280A*	1 1/2" Part Circle Rotor, Electric VIH, Acme
D75H32A*	1 1/2" Part Circle Rotor, Hydraulic VIH, Acme
D75XC3516A*	1 1/2" X-Series Dual Nozzle Part Circle Rotor, with Check Valve, Acme
D75XE351680A*	1 1/2" X-Series Rotor, Electric VIH, Acme
D75XH3516A*	1 1/2" X-Series Rotor, Hydraulic VIH, Acme

* Pressure Regulation (electric model only)
 * 60, 70 (Standard Pressure), or 80 PSI
 * Inlet thread availability; NPT, BSP, or Acme (standard stocking item)
 * Re-Claimed Water versions available



D70/D75 SERIES GOLF ROTOR



DT70 Series Performance

Nozzle					Metric							
	Pressure	Max. Radius*	Discharge	Precipitation Rate ¹		Pressure		Max. Radius*	Discharge	Precipitation Rate ¹		
	PSI	ft.	gpm	in/hr ■	in/hr ▲	BAR	kPa	m	L/s	m ³ /hr	mm/hr ■	mm/hr ▲
37 Red	60	67	33.2	0.71	0.82	4.1	410	20.4	2.1	7.5	18.19	21.00
	70	73	36.1	0.65	0.75	4.8	480	22.2	2.3	8.2	16.65	19.23
	80	77	48.1	0.78	0.90	5.5	550	23.4	3.0	10.9	19.94	23.03
	90	73	36.1	0.65	0.75	6.2	620	22.2	2.3	8.2	16.65	19.23
40 Gray	60	65	34.3	0.78	0.90	4.1	410	19.8	2.2	7.8	19.95	23.04
	70	73	38.6	0.70	0.81	4.8	480	22.2	2.4	8.8	17.82	20.58
	80	79	50.6	0.78	0.90	5.5	550	24.0	3.2	11.5	19.90	22.98
	90	75	42.6	0.73	0.73	6.2	620	22.8	2.7	9.7	18.61	21.50
45 Green	60	67	36.8	0.79	0.91	4.1	410	20.4	2.3	8.4	20.16	23.28
	70	76	41.7	0.70	0.80	4.8	480	23.1	2.6	9.5	17.74	20.49
	80	85	52.5	0.70	0.81	5.5	550	25.8	3.3	11.9	17.87	20.63
	90	83	45.9	0.64	0.74	6.2	620	25.2	2.9	10.4	16.36	18.89
50 Black	60	73	44.6	0.81	0.93	4.1	410	22.2	2.8	10.1	20.56	23.74
	70	77	46.9	0.76	0.88	4.8	480	23.4	3.0	10.7	19.46	22.47
	80	89	56.2	0.68	0.79	5.5	550	27.1	3.5	12.8	17.42	20.12
	90	89	51.3	0.62	0.72	6.2	620	27.1	3.2	11.6	15.91	18.37
57 Blue	60	75	46.0	0.79	0.91	4.1	410	22.8	2.9	10.5	20.11	23.23
	70	79	48.8	0.75	0.87	4.8	480	24.0	3.1	11.1	19.20	22.17
	80	93	61.7	0.69	0.79	5.5	550	28.3	3.9	14.0	17.54	20.26
	90	93	54.2	0.60	0.70	6.2	620	28.3	3.4	12.3	15.39	17.77

¹ Precipitation rates for square and triangular spacing calculated at 50% of diameter for half-circle operation. Assumes zero wind for precipitation and radius. Adjust for local conditions.

DT75 Series Performance

Nozzle					Metric							
	Pressure	Max. Radius*	Discharge	Precipitation Rate ¹		Pressure		Max. Radius*	Discharge	Precipitation Rate ¹		
	PSI	ft.	gpm	in/hr ■	in/hr ▲	BAR	kPa	m	L/s	m ³ /hr	mm/hr ■	mm/hr ▲
32 Yellow	60	67	27.5	0.59	0.68	4.1	410	20.4	1.7	6.2	15.03	17.35
	70	69	29.3	0.59	0.68	4.8	480	21.0	1.8	6.6	15.10	17.44
	80	69	21.6	0.64	0.74	5.5	550	21.0	2.0	7.2	16.31	18.83
	90	71	33.1	0.63	0.73	6.2	620	21.6	2.1	7.5	16.11	18.60
36 Gray	60	67	28.0	0.60	0.69	4.1	410	20.4	1.8	6.4	15.32	17.69
	70	69	32.2	0.65	0.75	4.8	480	21.0	2.0	7.3	16.59	19.16
	80	69	34.0	0.69	0.79	5.5	550	21.0	2.1	7.7	17.52	20.23
	90	73	36.5	0.66	0.76	6.2	620	22.2	2.3	8.3	16.82	19.43
41 Orange	60	65	32.3	0.74	0.85	4.1	410	19.8	2.0	7.3	18.80	21.71
	70	71	34.5	0.76	0.76	4.8	480	21.6	2.2	7.8	16.81	19.41
	80	73	37.7	0.79	0.79	5.5	550	22.2	2.4	8.6	17.40	20.10
	90	73	39.9	0.72	0.83	6.2	620	22.2	2.5	9.1	18.40	21.25

¹ Precipitation rates for square and triangular spacing calculated at 50% of diameter for half-circle operation. Assumes zero wind for precipitation and radius. Adjust for local conditions.

ACCESSORIES

MODEL	DESCRIPTION
D001	Snap ring/pilot valve tool
D002	Pilot valve key
D003	1" Valve insertion tool
D004	1 1/2" Valve insertion tool
D038	Pressure gauge tool
DN100G	The Guzzler™ High Suction Hand Pump



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REPLACEMENT INTERNALS

REPLACEMENTS FOR TORO®

MODEL	DESCRIPTION	INLET	RADIUS	FLOWRATE
DI6734T25	1" Toro 630/730, 660/760 insert, #25-blue nozzle			
DI6735T25	1" Toro 635/735, 665/765 insert, #25-blue nozzle	1"	52' - 75'	11.0 - 35.5 GPM
DI865T25	1" Toro 835/865 insert, #25-blue nozzle			
DI674754T50	1 1/2" Toro 650/750, 680/780 insert, #50-black nozzle		66' - 100'	25.1 - 66.0 GPM
DI6785T26	1 1/2" Toro 650/750, 680/780 insert, #26-blue nozzle	1 1/2"	56' - 82'	13.0 - 35.3 GPM
DI694T50	1 1/2" Toro 690 insert, #50-black nozzle		91' - 100'	57.0 - 66.0 GPM
DI6785TX16	1 1/2" Toro 650/750, 680/780 X-Series insert, #30-yellow (front)/#16-orange (rear) nozzle			
DI834T25	1" Toro 830/860 insert, #25-blue nozzle			



DI6734T25



DI865T25



DI6785T26



DI694T50



DI6785TX16



DI834T25

DI6785T Performance Data

Nozzle	Pressure PSI	Radius* ft.	Discharge gpm	Metric			Toro Nozzle Reference	
				Pressure BAR	Max. Radius* m	Discharge L/s	650	780
16 Orange	50	56	13	3.4	17	0.82	54	83
	60	57	14.2	4.1	17.3	0.89		
	70	58	15.4	4.8	17.6	0.97		
	80	59	16.4	5.5	17.9	1.03		
	90	60	17.5	6.2	18.2	1.1		
	100	61	18.6	6.9	18.5	1.17		
21 Brown	50	61	16.4	3.4	18.5	1.03	55	84
	60	62	18	4.1	18.8	1.13		
	70	64	19.4	4.8	19.5	1.22		
	80	65	20.7	5.5	19.8	1.30		
	90	68	21.9	6.2	20.7	1.38		
26 Blue	50	62	21.8	3.4	18.8	1.37	56	85
	60	64	23.4	4.1	19.5	1.47		
	70	66	24.8	4.8	20.1	1.56		
	80	67	26	5.5	20.4	1.64		
	90	70	28.1	6.2	21.3	1.77		
29 Red	50	65	22.4	3.4	19.8	1.41	57	
	60	70	25.2	4.1	21.3	1.58		
	70	72	27	4.8	21.9	1.7		
	80	75	28.8	5.5	22.8	1.81		
	90	77	30.6	6.2	23.4	1.93		
32 Gray	50	66	25.8	3.4	20.1	1.62	58	86
	60	71	26.9	4.1	21.6	1.69		
	70	75	29.7	4.8	22.8	1.87		
	80	78	31.7	5.5	23.7	1.99		
	90	80	33.5	6.2	24.3	2.11		
100	82	35.3	6.9	24.9	2.22			

DI6734T, DI6735T & DI865T Performance Data

Nozzle	Pressure PSI	Radius* ft.	Discharge gpm	Metric			Toro Nozzle Reference	
				Pressure BAR	Max. Radius* m	Discharge L/s	650	780
16 Orange	50	56	13	3.4	17	0.82	54	83
	60	57	14.2	4.1	17.3	0.89		
	70	58	15.4	4.8	17.6	0.97		
	80	59	16.4	5.5	17.9	1.03		
	90	60	17.5	6.2	18.2	1.1		
	100	61	18.6	6.9	18.5	1.17		
21 Brown	50	61	16.4	3.4	18.5	1.03	55	84
	60	62	18	4.1	18.8	1.13		
	70	64	19.4	4.8	19.5	1.22		
	80	65	20.7	5.5	19.8	1.30		
	90	68	21.9	6.2	20.7	1.38		
26 Blue	50	62	21.8	3.4	18.8	1.37	56	85
	60	64	23.4	4.1	19.5	1.47		
	70	66	24.8	4.8	20.1	1.56		
	80	67	26	5.5	20.4	1.64		
	90	70	28.1	6.2	21.3	1.77		
29 Red	50	65	22.4	3.4	19.8	1.41	57	
	60	70	25.2	4.1	21.3	1.58		
	70	72	27	4.8	21.9	1.7		
	80	75	28.8	5.5	22.8	1.81		
	90	77	30.6	6.2	23.4	1.93		
32 Gray	50	66	25.8	3.4	20.1	1.62	58	86
	60	71	26.9	4.1	21.6	1.69		
	70	75	29.7	4.8	22.8	1.87		
	80	78	31.7	5.5	23.7	1.99		
	90	80	33.5	6.2	24.3	2.11		
100	82	35.3	6.9	24.9	2.22			

REPLACEMENT INTERNALS

REPLACEMENTS FOR RAINBIRD®

MODEL	DESCRIPTION	INLET	RADIUS	FLOWRATE
DI700R25	Rain Bird Eagle 700 replacement internal, #25-blue nozzle	1 1/4"	53' - 72'	12.5 - 33.0 GPM
DI750R25	Rain Bird Eagle 750 replacement internal, #25-blue nozzle			
DI47R25	Rain Bird 47DR replacement internal, #25-blue nozzle	1 1/2"	53' - 72'	12.5 - 33.0 GPM
DI51R25	Rain Bird 51DR replacement internal, #25-blue nozzle			



DI6754T & DI694T Performance Data

Nozzle	Pressure PSI	Radius* ft.	Discharge gpm	Metric			Toro Nozzle Reference						
				Pressure BAR	Max. Radius* m	Discharge L/s	650	670	680	750	780		
29 Yellow	50			3.4			56				54	84	
	60	66	25.1	4.1	20.1	1.58							
	70	69	27.0	4.8	21.0	1.70							
	80	72	28.8	5.5	21.9	1.81							
	90	74	30.6	6.2	22.5	1.83							
100	76	32.1	6.9	23.1	2.02								
32 Gray	50			3.4			57				84	55	85
	60	68	26.9	4.1	20.7	1.69							
	70	71	29.7	4.8	21.6	1.87							
	80	74	31.7	5.5	22.5	1.99							
	90	76	33.5	6.2	23.1	2.11							
100	78	35.3	6.9	23.7	2.22								
37 Red	50			3.4			58				85	56	86
	60	74	34.0	4.1	22.5	2.14							
	70	75	35.5	4.8	22.8	2.23							
	80	76	37.0	5.5	23.1	2.33							
	90	78	38.5	6.2	23.7	2.42							
100	78	40.0	6.9	23.7	2.62								
40 Brown	50			3.4			59				70	86	87
	60	78	38.0	4.1	23.7	2.39							
	70	79	39.0	4.8	24.0	2.46							
	80	80	40.0	5.5	24.3	2.62							
	90	82	41.5	6.2	24.9	2.61							
100	84	43.0	6.9	25.6	2.71								
45 Green	50			3.4			71				87	57	88
	60	80	41.5	4.1	24.3	2.61							
	70	82	43.0	4.8	24.9	2.71							
	80	84	45.0	5.5	25.6	2.83							
	90	86	47.0	6.2	26.2	2.96							
100	87	49.0	6.9	26.5	3.09								
50 Black	50			3.4			72				88	58	89
	60			4.1									
	70	85	47.5	4.8	25.9	2.99							
	80	87	50.0	5.5	26.5	3.15							
	90	89	53.0	6.2	27.1	3.34							
100	91	57.0	6.9	27.7	3.59								
57 Blue	50			3.4			73, 74						
	60			4.1									
	70	85	55.0	4.8	25.9	3.46							
	80	87	57.0	5.5	26.5	3.59							
	90	90	58.5	6.2	27.4	3.69							
100	100	66.0	6.9	30.4	4.16								

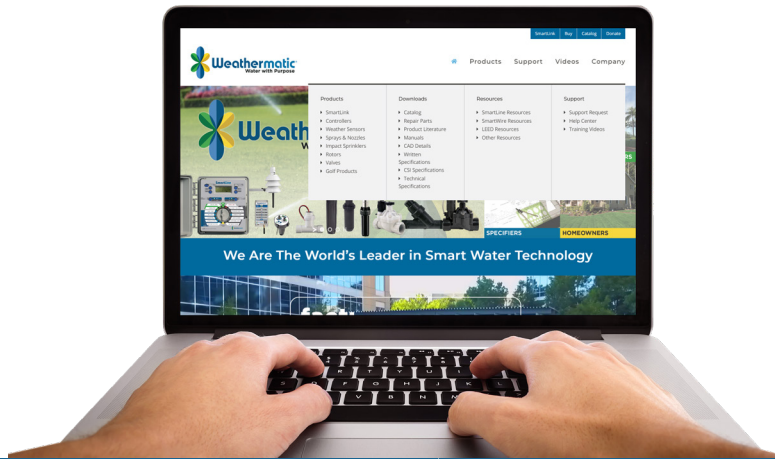
DI700R/DI750R & DI51R/DI47R Performance Data

Nozzle	Pressure PSI	Radius* ft.	Discharge gpm	Metric			Toro Nozzle Reference	
				Pressure BAR	Max. Radius* m	Discharge L/s	650	670
16 Orange	50	52	12.5	3.4	15.8	0.78	18	
	60	55	13.5	4.1	16.7	0.85		
	70	57	15	4.8	17.3	0.94		
	80	61	17	5.5	18.5	1.16		
	90	61	18	6.2	18.5	1.16		
100	61	19	6.9	18.5	1.16			
21 Brown	50	55	17	3.4	16.7	1.05	16	16
	60	58	18.5	4.1	17.6	1.11		
	70	60	20	4.8	18.2	1.14		
	80	62	22	5.5	18.9	1.19		
	90	62	23.5	6.2	18.9	1.19		
100	62	24	6.9	18.9	1.19			
26 Blue	50	60	22	3.4	18.2	1.38	18	18
	60	62	23.5	4.1	18.9	1.48		
	70	65	25	4.8	19.8	1.57		
	80	66	26	5.5	20.1	1.64		
	90	67	27	6.2	20.4	1.7		
100	67	28.5	6.9	20.4	1.79			
29 Red	50	64	24.5	3.4	19.5	1.54	20	20
	60	66	26	4.1	20.1	1.64		
	70	67	27.5	4.8	20.4	1.73		
	80	68	29	5.5	20.7	1.82		
	90	70	31.5	6.2	21.3	1.98		
100	70	33	6.9	21.3	2.08			

REPLACEMENTS FOR JOHN DEERE

MODEL	DESCRIPTION
DI5025	D50 replacement internal, #25-blue nozzle
DI5525	D55 replacement internal, #25-blue nozzle
DI7050	D70 replacement internal, #50-black nozzle
DI7532	D75 replacement internal, #32-yellow nozzle





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SMARTLINE & PROLINE CONTROLLER

PL800-SL800 Transformer 120VAC/60Hz	175-091SA
SmartLine Accessories Cabinet	SL-CABINET
Control Panel for SL1600 Series and SL4800	SLCPSA-G5
Gray Line Cord w/ US plug, UL SJT TYPE	PIGTAIL
Control Panel Adapter - For use with PL1600 or SL1600 face panel. (Requires rectangular SLPED-AF16-WSLSS or angled tray SLPED-UNIVTRAY-VIT16SS in larger pedestals)	SL-SS-PANEL-ADP-KIT
Rectangular Plate for Control Panel Adapter	SLPED-AFP16-WSLSS
SmartLine Lock Assembly	SLK
Replacement Key	46-714K
Angled Tray for any Face Plate VIT16. Use with Control Panel Adapter	SLPED-UNVTRAY-VIT16SS
Base Pan for PL4800/SL4800 Module Bay	SLPED-BASE-SL4800SS
PL800-SL800 Fuse, 1 Amp, Slo-Blo (5 per bag)	VEF-020SA
PL1600-SL1600 Series Transformer 120V	170-085SA
PL1600-SL1600 Dual Voltage Transformer 110/220V	170-098SA
PL1600-SL1600 Fuse, 1 Amp, Slo-Blo 2AG Type	VEF-032
Fuse Holder, Inline 2AG or 5X20mm	VEF-031
PL4800-SL4800 Fuse, 1 Amp, Slo-Blo	VEF-015
PL4800-SL4800 Transformer	200-085SA
Control Panel for PL1600 Series and PL4800	PLCPSA

FLOW SENSORS

PVC Flow Sensor Plug Assembly	SLFSI-T00-03
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6000 SERIES

6000 Pro Series 25° trajectory Nozzle Set (Bag of 10)	77576
6000 Low Angle 13° Trajectory Nozzle Set (Bag of 10)	6095

6000/6500 ROTOR COMMON PARTS

Protective Cap	77586
6000/6500 Key (Hex Wrench) (Bag of 5)	6096-6KSRS
Support Collar	77575
Protective Cap Screw Kit (20 per bag)	77590

TURBO ROTARY SPRINKLER

Set Screw (10 per bag)	VMA-042SA
Key (Hex Wrench Assembly) (10 per bag)	148-11SA
Strainer/Backcheck Washer (10 per bag)	148-156SA
Support Collar (10 per bag)	148-180SA
T1 Nozzle Tree (10 per bag)	148-17SA
T3 Nozzle Tree (10 per bag)	148-16SA

COMMERCIAL TURBO ROTARY SPRINKLER

CT70 Nozzle Tree (10 per bag)	148-12SA
Back Check Washer for Rotors (20 per bag)	148-148SA

SLW SERIES ON-SITE WEATHER STATION

SLW10/15 Rain Sensor Assembly	SLW1015DISKASSY
SLW1/5 Rain Sensor Assembly	SLW1DISKASSY
420 Rain Stack	420DISKASSY
RF55 Rain Sensor Assembly	RF55DISKASSY
SLW Aluminum Bracket	SLW1-5BSA

SMARTWIRE 2-WIRE SYSTEM

SmartWire Splice Kit	SLCONN
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SMARTLINE SOLAR

Solar Panel Assembly - 50 Watt Capacity	SOLARPAN-50
Solar Charge Control Box Assembly	SOLARCHG
Solar Battery Assembly	SOLARBATT-48
Solar Inverter, 12VDC-24VAC, 40watt	VEU-055
Solar Panel Only 50watt (single panel)	VEU-054

SOLORAIN 8014SR

Protective Cover	77593
O-ring	77440
Plunger with spring	77598
3.6V Lithium Battery Kit (Also includes o-ring & gasket)	77482

SPRAY HEADS

Wiper Seal MAX Series	180-210
MAX Series Cover	180-202

BRASS NOZZLES

Strainer, B3, B15, B18, B20, & B24 Series (50 per bag)	12-180SA
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MPR & AAN NOZZLES

MPR Strainer (50 per bag)	180-125SA
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N-100 SERIES - NITRO

2 3/8" dia. Diaphragm Assembly	110-603SA
Solenoid	S20PSA
Bleed Lever Assembly Kit (5 per bag)	110-605SA
Cover Bolt (5 per bag)	110-610SA
Exhaust O-Ring	VMO-001

SILVER BULLET (SB/12000)

Bleed Lever Assembly Kit (5 per bag)	45-130R1-ISA
Solenoid	S20PSA
Standard Handle Assembly	144-010
Non-Potable Handle Assembly (5 per bag)	45-011NPSA
Diaphragm Spring	45-113
Exhaust O-Ring	VMO-001
S20PSA Actuator Assembly only	112-01SA

SB-10 (12024E-10-H) - 1" SILVER BULLET

H - Cover Bolt	VMA-034
Flow Adjust Kit (5 per bag)	110-03SA

SB-10/10F (12024E-10-H) - 1" SILVER BULLET "OLD STYLE" PARTS

1" dia. Diaphragm	110-003SA
	110-003-SAK

SB-10/10F-HP (12000) SERIES "NEW STYLE" PARTS

2 3/8" dia. Diaphragm Assembly	110-603SA
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SB-15 (12024E-15-H) - 1 1/2" SILVER BULLET

1 1/2" Valve Rebuild kit	12000SAK-15
Cover Bolt	VMA-034
1 1/2" dia. Diaphragm	49-110DMSA
Diaphragm Assembly	49-10DSA

SB-20 (12024E-20-H) - 2" SILVER BULLET

2" Valve Rebuild kit	12000SAK-20
Cover Bolt	VMA-056
4 3/8" dia. Diaphragm	50-110DMSA
Diaphragm Assembly	50-10DSA

PRK-24 - PRESSURE REGULATOR KIT

Regulator Adapter Assembly	120-10SA
Regulator Tubing Assembly	VMF-004SA
Exhaust Port Screw, Round Head, #2 x 3/8"	VMA-044
Regulator Control Assembly	120-15SA
Downstream Tubing Assembly	VMF-005SA

QUICK COUPLING VALVES

Washer Kit	77287
U cup Seal Kit	77288
Spring Kit	77289

11000 SERIES

Bleed Lever Assembly Kit (5 per bag)	45-130R1-ISA
Solenoid	S24BSA
Standard Handle Assembly	144-010
Non-Potable Handle Assembly (5 per bag)	45-011NPSA
Diaphragm Spring	45-113
S24B Acuator Spring Assembly	30-91ASA
Exhaust O-Ring	VMO-001

11024FCR-10D - 1" BLACK MAX

1" Valve Rebuild Kit	45-20SAK
Cover Bolt	VMA-034
2 1/4" dia. Diaphragm	45-110DMSA
Diaphragm Assembly	45-20DSA
Cover Assembly	45-02FSA

11024FCR-15D - 1 1/2" BLACK MAX

1 1/2" Valve Rebuild Kit	49-20SAK
Cover Bolt	VMA-034
3 5/16" dia. Diaphragm	49-110DMSA
Diaphragm Assembly	49-10DSA
Cover Assembly	49-02SA

11024FCR-20D - 2" BLACK MAX

2" Valve Rebuild Kit	50-20SAK
Cover Bolt	VMA-056
4 3/8" dia. Diaphragm	50-110DMSA
Diaphragm Assembly	50-10DSA
Cover Assembly	50-02SA

8200CR SERIES

Bleed Lever Assembly Kit (5 per bag)	30-MBK
Solenoid	S24BSA
S24B Actuator Assembly only	30-91ASA
Exhaust Fitting Kit (5 per bag)	144-900SA
Exhaust Fitting	144-900
Exhaust Seal	144-600
Standard Handle Assembly	30-705
Non-Potable Handle Assembly (5 per bag)	30-706NPSA

8200CR-10D - 1" BRONZE BULLET

1" Valve Rebuild Kit	30-05SAK
Cover Assembly	30-03SA
Cover Bolt	VMA-047
3 1/4" dia. Diaphragm	30-104DMSA
Diaphragm Assembly	30-05DSA
Diaphragm Spring	30-119
Flow Control Kit (5 per bag)	8200FSAK
Flow Control (1 per bag)	8200FAK

8200CR-12D - 1 1/4" BRONZE BULLET

1 1/4" Valve Rebuild Kit	30-08SAK
Cover Assembly	30-03SA
Cover Bolt	VMA-047
3 1/4" dia. Diaphragm	30-104DMSA
Diaphragm Assembly	30-08DSA
Diaphragm Spring	30-119
Flow Control Kit (5 per bag)	8200FSAK
Flow Control (1 per bag)	8200FAK

8200CR-15D - 1 1/2" BRONZE BULLET

1 1/2" Valve Rebuild Kit	30-11SAK
Cover Assembly	30-09SA
Cover Bolt	VMA-047
3 1/16" dia. Diaphragm	30-203DMSA
Diaphragm Assembly	30-11DSA
Diaphragm Spring	30-119
Flow Control Kit (5 per bag)	8200FSAK
Flow Control (1 per bag)	8200FAK

21000 SERIES

Bleed Lever Assembly Kit (5 per bag)	45-130R1-ISA
Solenoid	S20PSA
Standard Handle Assembly	144-010
Non-Potable Handle Assembly (5 per bag)	45-011NPSA
Diaphragm Spring	45-113
Exhaust O-Ring	VMO-001
S20PSA Actuator Assembly only	112-01SA

21024E-10D - 1" BLACK BULLET

1" Valve Rebuild Kit	45-10SAK
Cover Bolt	VMA-034
2 1/4" dia. Diaphragm	45-110DMSA
Diaphragm Assembly	45-10DSA
Cover Assembly	45-02FSA

21024E-15D - 1 1/2" BLACK BULLET

1 1/2" Valve Rebuild Kit	49-10SAK
Cover Bolt	VMA-034
3 5/16" dia. Diaphragm	49-110DMSA
Diaphragm Assembly	49-10DSA
Cover Assembly	49-02SA

21024E-20D - 2" BLACK BULLET

2" Valve Rebuild Kit	50-10SAK
Cover Bolt	VMA-056
4 3/8" dia. Diaphragm	50-110DMSA
Diaphragm Assembly	50-10DSA
Cover Assembly	50-02SA

8200CR-20D - 2" BRONZE BULLET

2" Valve Rebuild Kit	30-14SAK
Cover Assembly	30-12SA
Cover Bolt	VMA-071
4 5/8" dia. Diaphragm	30-303DMSA
Diaphragm Assembly	30-14DSA
Diaphragm Spring	30-119
Flow Control Kit (5 per bag)	8200FSAK
Flow Control (1 per bag)	8200FAK

8200CR-25D - 2 1/2" BRONZE BULLET

2 1/2" Valve Rebuild Kit	30-17SAK
Cover Assembly	30-15ESA
Cover Bolt	VMA-048
5 13/16" dia. Diaphragm	30-404DMSA
Diaphragm Assembly	30-17DSA
Diaphragm Spring	30-405
Flow Control Kit (5 per bag)	30-406AYS AK

8200CR-30D - 3" BRONZE BULLET

3" Valve Rebuild Kit	30-20SAK
Cover Assembly	30-18ESA
Cover Bolt	VMA-049
6 11/16" dia. Diaphragm	30-604DMSA
Diaphragm Assembly	30-20DSA
Diaphragm Spring	30-405
Flow Control Kit (5 per bag)	30-406AYS AK



CONTROLLER REPLACEMENT GUIDE

TO REPLACE		USE WEATHERMATIC	
RAIN BIRD*	STATIONS	MODEL	STATIONS
ESPTM2	4 - 12	PL1600 ²	4 - 24
ESPME3	4 - 22	PL1600 ²	4 - 24
ESPLXBASIC ¹	12 - 48	PL4800 ²	12 - 48
ESPLXMEF ¹	12 - 48	PL4800 ²	12 - 48
ESPLXD ¹	50 - 200	PL9600 ²	48 - 96
¹ IQ4 system		² SmartLink system	
Add NCC cartridge		Add SmartLink Aircard	

Upgrade to SmartLine (SL) for on-site weather

TO REPLACE		USE WEATHERMATIC	
IRRITROL*	STATIONS	MODEL	STATIONS
KD2-INT	4 - 9	PL800	4 - 8
KD2-EXT	4 - 9	PL1600 ²	4 - 24
Rain Dial	6 - 12	PL1600 ²	4 - 24
Total Control	6 - 48	PL1600/PL4800 ²	4 - 24
MC	4 - 48	PL4800 ^{2,3}	12 - 48
RME ⁴	6 - 36	SL1600/SL4800 ^{2,3}	4 - 48
EGP ⁴	8 - 48	SL1600/SL4800 ^{2,3}	4 - 48
EGP-TW	200	SL9600 ³	48 - 96
⁴ iCentral system		² SmartLink system	
Add iCentral card		Add SmartLink Aircard	

³Add SLWM cabinet
Upgrade to SmartLine (SL) for on-site weather

TO REPLACE		USE WEATHERMATIC	
HUNTER*	STATIONS	MODEL	STATIONS
X-CORE	2 - 8	PL800	4 - 8
PRO-HC	6 - 24	PL1600	4 - 24
PRO-C	4 - 16	PL1600	4 - 24
PCC	6 - 12	PL1600	4 - 24
ICC2	8 - 54	PL4800	12 - 48
I-CORE	6 - 42	PL1600/PL4800	4 - 48
ACC	6 - 42	PL4800	12 - 48
ACC2	12 - 54	PL4800	12 - 48
I-CORE Decoder	6 - 42	SL9600	48 - 96
ACC Decoder	6 - 42	SL9600	48 - 96
ACC2 Decoder	12 - 54	SL9600	48 - 96

Upgrade to SmartLine (SL) for on-site weather

TO REPLACE		USE WEATHERMATIC	
TORO*	STATIONS	MODEL	STATIONS
EVO-ID	4 - 16	SL1600	4 - 8
EVO-OD	4 - 16	SL1600	4 - 24
TMC-424E-ID	4 - 24	PL1600	4 - 24
TMC-424E-OD	4 - 24	PL1600	4 - 24
CC-P	9 - 24	PL1600	4 - 16
CC-M	12 - 48	PL4800 ³	12 - 48
TDC-CDEC	100 - 200	SL9600	48 - 96

³Add SLWM cabinet
Upgrade to SmartLine (SL) for on-site weather

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REPLACEMENT GUIDES

SPRAY REPLACEMENT GUIDE

TO REPLACE		USE WEATHERMATIC	
RAIN BIRD®	SIZE	MODEL	SIZE
1804	4	MAX4	4
1804-SAM	4	MAX4-PRS30/40-CV	4
1804-PRS	4	MAX4-PRS30	4
1804-SAM-PRS	4	MAX4-PRS30-CV	4
1804-SAM-P45	4	MAX4-PRS40-CV	4
1806	6	MAX6	6
1806-SAM	6	MAX6-PRS30/40-CV	6
1806-PRS	6	MAX6-PRS30	6
1806-SAM-PRS	6	MAX6-PRS30-CV	6
1806-SAM-P45	6	MAX6-PRS40-CV	6
1812	12	MAX12	12
1812-SAM	12	MAX12-PRS30/40-CV	12
1812-PRS	12	MAX12-PRS30	12
1812-SAM-PRS	12	MAX12-PRS30-CV	12
1812-SAM-P45	12	MAX12-PRS40-CV	12

TO REPLACE		USE WEATHERMATIC	
RAIN BIRD®	SIZE	MODEL	SIZE
RDO4	4	MAX6	4
RDO4-S-P-30	4	MAX6-PRS30/40-CV	4
RDO4-S-P30-F	4	MAX-PRS30	4
RDO4-S-P-45	4	MAX6-PRS30-CV	4
RDO4-S-P-45-F	4	MAX6-PRS40-CV	4
RD06-S-P-30	6	MAX6-PRS30-CV	6
RD06-S-P-30-F	6	MAX6-PRS30-CV	6
RD06-S-P-45	6	MAX6-PRS40-CV	6
RD06-S-P-45-F	6	MAX6-PRS40-CV	6
RD012-S-P-30	12	MAX6-PRS30-CV	12
RD012-S-P-30-F	12	MAX6-PRS30-CV	12
RD012-S-P-45	12	MAX6-PRS40-CV	12
RD012-S-P-45-F	12	MAX6-PRS40-CV	12

TO REPLACE		USE WEATHERMATIC	
K-RAIN®	SIZE	MODEL	SIZE
78004	4	MAX4	4
78004-CV	4	MAX4-PRS30/40-CV	4
78004-PR30	4	MAX4-PRS30	4
78004-PR40	4	MAX4-PRS40	4
78004-CV-PR30	4	MAX4-PRS30-CV	4
78004-CV-PR40	4	MAX4-PRS40-CV	4
78006	6	MAX6	6
78006-CV	6	MAX6-PRS30/40-CV	6
78006-PR30	6	MAX6-PRS30	6
78006-PR40	6	MAX6-PRS40	6
78006-CV-PR30	6	MAX6-PRS30-CV	6
78006-CV-PR40	6	MAX6-PRS40-CV	6
78012	12	MAX12	12
78012-CV	12	MAX12-PRS30/40-CV	12
78012-PR30	12	MAX12-PRS30	12
78012-PR40	12	MAX12-PRS40	12
78012-CV-PR30	12	MAX12-PRS30-CV	12
78012-CV-PR40	12	MAX12-PRS40-CV	12

TO REPLACE		USE WEATHERMATIC	
HUNTER®	SIZE	MODEL	SIZE
PROS-04	4	MAX4	4
PROS-04-CV	4	MAX4-PRS30/40-CV	4
PROS-04-PRS30	4	MAX4-PRS30	4
PROS-04-PRS40	4	MAX4-PRS40	4
PROS-04-PRS30-CV	4	MAX4-PRS30-CV	4
PROS-04-PRS40-CV	4	MAX4-PRS40-CV	4
PROS-06	6	MAX6	6
PROS-06-CV	6	MAX6-PRS30/40-CV	6
PROS-06-PRS30	6	MAX6-PRS30	6
PROS-06-PRS40	6	MAX6-PRS40	6
PROS-06-PRS30-CV	6	MAX6-PRS30-CV	6
PROS-06-PRS40-CV	6	MAX6-PRS40-CV	6
PROS-12	12	MAX12	12
PROS-12-CV	12	MAX12-PRS30/40-CV	12
PROS-12-PRS30	12	MAX12-PRS30	12
PROS-12-PRS40	12	MAX12-PRS40	12
PROS-12-PRS30-CV	12	MAX12-PRS30-CV	12
PROS-12-PRS40-CV	12	MAX12-PRS40-CV	12

TO REPLACE		USE WEATHERMATIC	
TORO®	SIZE	MODEL	SIZE
570Z-4P	4	MAX4	4
570Z-4P-COM	4	MAX4-PRS30/40-CV	4
570Z-4P-PR	4	MAX4-PRS30	4
570Z-4P-PRCOM	4	MAX4-PRS30-CV	4
570Z-6P	6	MAX6	6
570Z-6P-COM	6	MAX6-PRS30/40-CV	6
570Z-6P-PR	6	MAX6-PRS30	6
570Z-6P-PRCOM	6	MAX6-PRS30-CV	6
570Z-12P	12	MAX12	12
570Z-12P-COM	12	MAX12-PRS30/40-CV	12
570Z-12P-PR	12	MAX12-PRS30	12
570Z-12P-PRCOM	12	MAX12-PRS30-CV	12

TO REPLACE		USE WEATHERMATIC	
IRRITROL®	SIZE	MODEL	SIZE
I-PRO400	4	MAX4	4
I-PRO400-CV	4	MAX4-PRS30/40-CV	4
I-PRO400-PR	4	MAX4-PRS30	4
I-PRO400-PR-CV	4	MAX4-PRS30-CV	4
I-PRO600	6	MAX6	6
I-PRO600-CV	6	MAX6-PRS30/40-CV	6
I-PRO600-PR	6	MAX6-PRS30	6
I-PRO600-PR-CV	6	MAX6-PRS30-CV	6
I-PRO1200	12	MAX12	12
I-PRO1200-CV	12	MAX12-PRS30/40-CV	12
I-PRO1200-PR	12	MAX12-PRS30	12
I-PRO1200-PR-CV	12	MAX12-PRS30-CV	12

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REPLACEMENT GUIDES

VALVE REPLACEMENT GUIDE

TO REPLACE		USE WEATHERMATIC	
TORO*	SIZE	MODEL	SIZE
EZF-20-04	1	N-100SF-H	1
EZF-26-04	1	N-100F-H	1
EZF-25-04	1	N-100MBF-H	1
EZF-00-04	1	N-100S-H	1
EZF-06-04	1	N-100-H	1
EZF-05-04	1	N-100MB-H	1
TPV-100	1	N-100-H	1
TPVF-100	1	N-100F-H	1
TPV-100S	1	N-100S-H	1
TPVF-100S	1	N-100SF-H	1
TPV-100MB	1	N-100MB-H	1
TPVF-100MB	1	N-100MBF-H	1
250-06-04	1	N-100F-H	1
260-06-04	1	N-100-H	1
254-16-04	1	N-100MBF-H	1
264-16-04	1	N-100MB-H	1

*NO BOTTOM INLET

TO REPLACE		USE WEATHERMATIC	
TORO*	SIZE	MODEL	SIZE
252-06-04	1	SB-10F-HP*	1
252-26-06	1.5	SB-15F*	1.5
252-26-08	2	SB-20F*	2
P220-06-04	1	MAX-DW-10*	1
P220S-26-04	1	MAX-DW-10*	1
P220-26-06	1.5	MAX-DW-15*	1.5
P220S-26-06	1.5	MAX-DW-15*	1.5
P220-26-08	2	MAX-DW-20*	2
P220S-26-08	2	MAX-DW-20*	2
P220-26-00	3	8200CR-30*	3
P220S-26-00	3	8200CR-30*	3
220-26-04	1	8200CR-10*	1
220-26-06	1.5	8200CR-15*	1.5
220-26-08	2	8200CR-20*	2
220-26-00	3	8200CR-30*	3
EZ-REG	N/A	PRK-24	N/A

*NO BOTTOM INLET

TO REPLACE		USE WEATHERMATIC	
TORO*	SIZE	MODEL	SIZE
075-SLSC	1	7642	1
100-SLSC	1	7642	1
100-SLVC	1	7643	1
100-SLVLC	1	7642	1
100-2SLVC	1	7643	1
100-ATLVC	1	7645	1
100-2SLLVC	1	7645	1
075-SLK	0.75 X 0.75	7640	0.75 X 0.75
100-AK	1 X 0.75	7641	1 X 0.75
100-SLK	1 X 1	7641	1 X 1
075-75-MHS	0.75 X 0.75	8810	0.75 X 0.75
075-MHS	1 X 0.75	8811	1 X 0.75
100-MHS	1 X 1	8812	1 X 1

TO REPLACE		USE WEATHERMATIC	
IRRITROL*	SIZE	MODEL	SIZE
2400S	1	N-100S-H	1
2400SF	1	N-100SF-H	1
2400T	1	N-100-H	1
2400TF	1	N-100F-H	1
2400T-B	1	N-100MB-H	1
2400TF-B	1	N-100MBF-H	1
205S	1	N-100S-H	1
205SF	1	N-100SF-H	1
205T	1	N-100-H	1
205TF	1	N-100F-H	1

*NO BOTTOM INLET

TO REPLACE		USE WEATHERMATIC	
IRRITROL*	SIZE	MODEL	SIZE
100P1	1	MAX-DW-10*	1
100P1.5	1.5	MAX-DW-15*	1.5
100P2	2	MAX-DW-20*	2
100P3	3	8200CR-30*	3
100P1-S	1	MAX-DW-10*	1
100P1.5-S	1.5	MAX-DW-15*	1.5
100P2-S	2	MAX-DW-20*	2
100P3-S	3	8200CR-30*	3
OMNI REG	N/A	PRK-24	N/A

TO REPLACE		USE WEATHERMATIC	
IRRITROL*	SIZE	MODEL	SIZE
2500S	1	N-100S-H	1
2500SF	1	N-100SF-H	1
2500T	1.5	N-100-H	1.5
2500TF	2	N-100F-H	2
214B	1	SB-10F-HP*	1
216B	1.5	SB-15F*	1
217B	2	SB-20F*	1.5
700-1	1	MAX-DW-10*	2
700-1.5	1.5	MAX-DW-15*	1
700-2	2	MAX-DW-20*	2

*NO BOTTOM INLET

TO REPLACE		USE WEATHERMATIC	
K RAIN*	SIZE	MODEL	SIZE
7001-NFC	1	N-100-H	1
7001-SL-NFC	1	N-100S-H	1
7001-MXB-NFC	1	N-100MB-H	1
7001	1	N-100F-H	1
7001-SL	1	N-100SF-H	1
7001-MXB	1	N-100MBF-H	1
7201	1	SB-10F-HP	1
7201-J	1	SB-10-HP	1
7215	1.5	SB-15F	1.5
7202	2	SB-10F	2
7101	1	N-100-H	1
7101-SL	1	N-100S-H	1
7101-J	1	N-100-H	1
7101-J-SL	1	N-100S-H	1
7101-FC	1	N-100F-H	1
7101-SL-FC		N-100SF-H	1
7115		SB-15F*	1.5
7102	1	SB-20F*	2

*NO BOTTOM INLET

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REPLACEMENT GUIDES

VALVE REPLACEMENT GUIDE

TO REPLACE		USE WEATHERMATIC	
HUNTER*	SIZE	MODEL	SIZE
PGV-100G	1	N-100-H	1
PGV-100GS	1	N-100S-H	1
PGV-100GMB	1	N-100MB-H	1
PGV-101G	1	N-100F-H	1
PGV-101GS	1	N-100SF-H	1
PGV-101GMB	1	N-100MBF-H	1
PGV-100G	1	SB-10-HP	1
PGV-101G	1	SB-10F-HP	1
PGV-151G	1.5	SB-15F*	1.5
PGV-201G	2	SB-20F	2

*NO BOTTOM INLET

TO REPLACE		USE WEATHERMATIC	
HUNTER*	SIZE	MODEL	SIZE
ICV-101G	1	MAX-DW-10	1
ICV-101GFS	1	MAX-DW-10	1
ICV-151G	1.5	MAX-DW-15	1.5
ICV-151GFS	1.5	MAX-DW-15	1.5
ICV-201G	2	MAX-DW-20	2
ICV-201GFS	2	MAX-DW-20	2
IBV-101GFS	1	8200CR-10D	1
IBV-151GFS	1.5	8200CR-15D	1.5
IBV-201GFS	2	8200CR-20D	2
IBV-301GFS	3	8200CR-30D	3
ACCU-SYNC	N/A	PRK-24	N/A

*NO BOTTOM INLET

TO REPLACE		USE WEATHERMATIC	
HUNTER*	SIZE	MODEL	SIZE
HK-3RC	0.75	7642	1
HK-33DRC	0.75	7642	1
HK-33DLRC	0.75	7643	1
HK-44RC	1	7642	1
HK-44LRC	1	7643	1
HK-33DLRC-AW	0.75	7645	1
HK-44LRC-AW	1	7645	1
HK33	0.75	7640	1 X 0.75
HK44	1	7641	1 X 1
HS0	0.75 X 0.75	8810	0.75 X 0.75
HS1	1 X 0.75	8811	1 X 0.75
HS2	1 X 1	8812	1 X 1

TO REPLACE		USE WEATHERMATIC	
RAIN BIRD*	SIZE	MODEL	SIZE
100-DV	1	N-100-H	1
100-DV-SS	1	N-100S-H	1
100-DV-MB	1	N-100MB-H	1
100-DVF	1	N-100F-H	1
100-DVF-SS	1	N-100SF-H	1
100-DVF-MB	1	N-100MBF-H	1
100-HV-NPT	1	N-100-H	1
100-HV-SS	1	N-100S-H	1
100-HV-MB	1	N-100MB-H	1
100-HVF	1	N-100F-H	1
100-HGV-SS	1	N-100SF-H	1

*NO BOTTOM INLET

TO REPLACE		USE WEATHERMATIC	
RAIN BIRD*	SIZE	MODEL	SIZE
100-PGA	1	SB-10F-HP*	1
150-PGA	1.5	SB-15F*	1.5
200-PGA	2	SB-20F*	2
100-PEB	1	MAX-DW-10	1
100-PES-B	1	MAX-DW-15	1
150-PEB	1.5	MAX-DW-20	1.5
150-PES-B	1.5	MAX-DW-10	1.5
200-PEB	2	MAX-DW-15	2
200-PES-B	2	MAX-DW-20	2
100-EFB-CP	1	8200CR-10D	1
150-EFB-CP	1.5	8200CR-15D	1.5
200-EFB-CP	2	8200CR-20D	2
300-BPES	3	8200-30D*	3
PRS-DIAL	N/A	PRK-24	N/A

*NO BOTTOM INLET

TO REPLACE		USE WEATHERMATIC	
RAIN BIRD*	SIZE	MODEL	SIZE
3-RC	0.75	7642	1
33-DRC	0.75	7642	1
33-DLRC	0.75	7643	1
44-RC	1	7642	1
44-LRC	1	7643	1
33-DNP	0.75	7645	1
44-NP	1	7645	1
33-DK	0.75	7640	1 X 0.75
44-K	1	7641	1 X 1
SH-O	0.75 X 0.75	8810	0.75 X 0.75
SH-1	1 X 0.75	8811	1 X 0.75
SH-2	1 X 1	8812	1 X 1

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STATEMENT OF TRADE WARRANTY

The Irrigation Professional's Protection Package from Weathermatic:

No hassles. No questions. Over-the-counter exchange.

- | | |
|-----------------|---|
| 10 Years | Black Max and Bronze Bullet Series valves and S24B solenoids |
| 5 Years | Rotors, spray equipment, nozzles, Silver Bullet HP Series Valves, Quick Coupling Valves, 7962 solenoids and S20P solenoids |
| 2 Years | Nitro Series Valves; SoloRain, DC Series Solenoids; SmartLine® and SmartLink products and all other catalogued products not specifically listed, or under the 5 or 10 year extended warranties. ProLine and SmartLine controllers, SLW weather stations and SmartLink products are covered under warranty for lightning damage. |



All trade warranties are effective from the date code. The trade warranties extend only to the original professional installer of the Weathermatic products and do not extend to repairs, replacements or adjustments of Weathermatic products due to misuse, negligence, alteration, modification, tampering or improper installation and maintenance of the product and/or system. Contact your local Weathermatic authorized distributor for all warranty claims. Weathermatic's sole obligation is to repair or replace its products found to have defects in material or workmanship.

There are no other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. Weathermatic will not be liable to any party in strict liability, tort, contract or any other manner for damages caused or claimed to be caused as a result of any design or defect in Weathermatic's products, or any special incidental or consequential damages of any nature.

PRODUCT CHANGES

Weathermatic reserves the right to alter, modify or redesign its products, pricing and warranty at all times without creating any liability for the obsolescence of customer inventory of such parts or products.

ASAE CERTIFICATION STATEMENT

Weathermatic certifies that pressure, flow rate and radius data for these products were determined and listed in accordance with ASAE Standard S398.1, Procedure for Testing and Performance Reporting, and are representative of performance of production sprinklers at the time of publication. Actual product performance may differ from the published specifications due to normal manufacturing variations and sample selection.

GOVERNING LAW

The rights and obligations of the parties hereto, and any claims or disputes thereto, shall be governed by and construed in accordance with the laws of the State of Texas without reference to conflict of law principles.



Mission

Save Water. Give Life.

Vision

We will inspire our landscape and distribution partners to **water with purpose**.

We will **provide clean water** to save lives of people in the greatest need.

We will build our business as a family - teaching how to live an inspired life in accordance with our values.



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