



# PRODUCT CATALOG

2015





We're driven by a simple purpose, to help you save water in the landscape where most water waste occurs. Using proven irrigation science and market-leading technology, our solutions help maximize landscape beauty while saving billions of gallons of water. Spend a few minutes reviewing some of our products. We think you will find they are among the most innovative in the industry and will help you fulfill your irrigation water management and savings needs.

## CONTENTS

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### **CONTROLLERS**

SmartLine Controller  
ProLine Controller  
**SmartLink**  
SmartLink Aircard  
SmartLink Flow Aircard  
SmartLink Flow Accessories

### **SENSORS**

SLW1 - SLW5  
RFS5  
Sensors/Accessories

### **ADVANCED CONTROL**

SmartWire  
Solar

### **VALVES**

N-100 Nitro Valve  
12000 Silver Bullet  
21000 Black Bullet  
11000CR Black Max  
8200CR Bronze Bullet

### **SPRAYS AND NOZZLES**

LX/LX-PRS Spray Bodies  
LX MPR Nozzles  
LX Adjustable Arc Nozzles  
B Series Brass Nozzles  
100 Series Shrub Nozzles

### **ROTORS**

Turbo T3/T35 Rotor  
CT70 Rotary Sprinkler



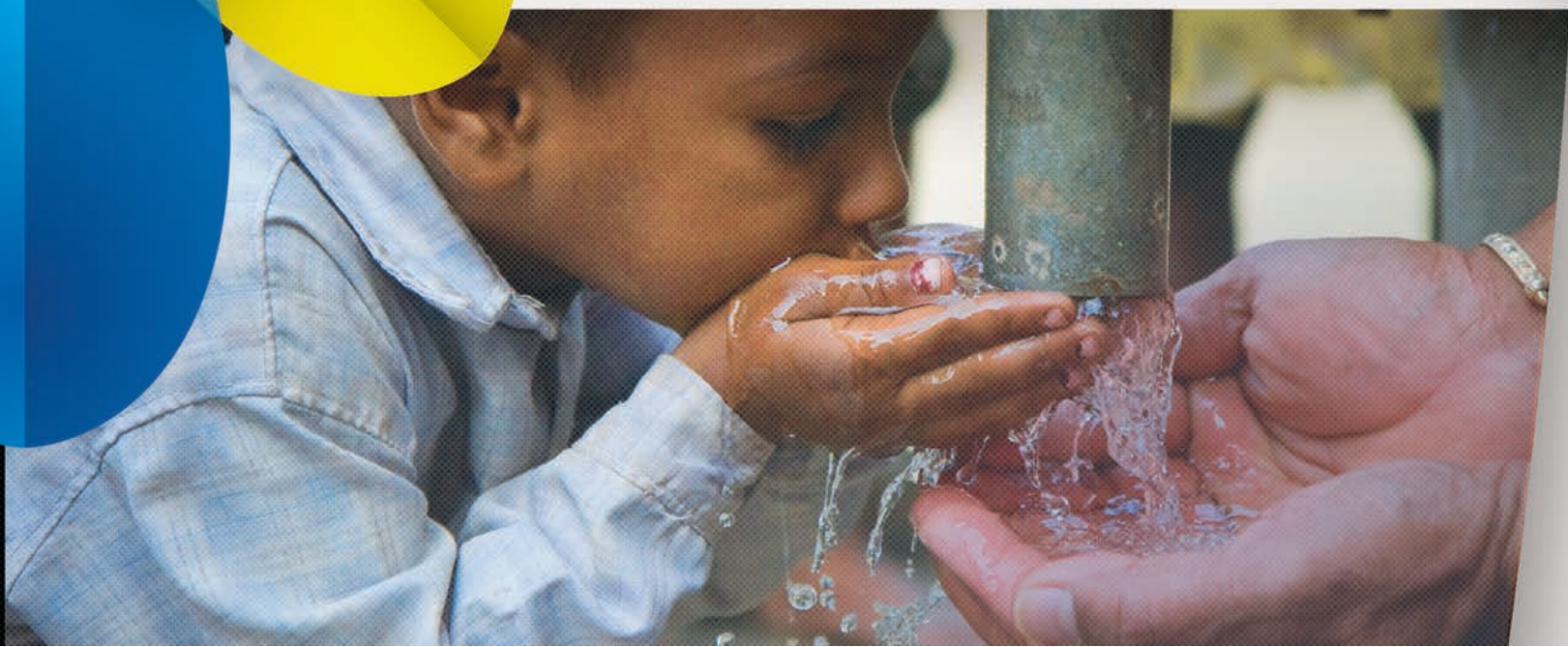




Water is essential for life. We are joining with our customers to drastically reduce landscape water waste. But for us, it doesn't stop at conservation. We found that a year's worth of over watering from an average commercial property is equivalent to the needed clean drinking water for 200 families in a developing country. So we made it our mission to donate part of our SmartLink™ proceeds to global clean water projects. These contributions will bring safe and clean water to thousands of the world's thirsty in the coming year and for generations.

We invite you to be more than a customer. Join our community and participate in our mission to save landscape water and make a difference in our world.

### **The Weathermatic Team**







### SL1600

4-Zone base model:  
Expandable to 16 zones

### SL1620

20-Zone fixed zone count

### SL1624

24-Zone fixed zone count

9 1/8" W x 10 1/2" H x 4" D  
23,2 cm x 25,7 cm x 10,2 cm



### SL800

4-Zone base model:  
Expandable to 8 zones

7" W x 7 3/4" H x 1 3/4" D  
17,8 cm x 19,7 cm x 4,4 cm



### SL4800

12-Zone base model:  
Expandable to 48 zones

15" W x 16 1/2" H x 5 7/16" D  
38,1 cm x 41,9 cm x 13,8 cm

### SL4800PE-PED

Plastic Pedestal  
12-Zone base model:  
Expandable to 48 zones

18" W x 41" H x 16" D  
45,7 cm x 104,2 cm x 45,2 cm



Input: 120VAC/60Hz @ 400mA for 3 valves (SL1600), 5 valve (SL4800)  
Output: 28VAC, 1.0A maximum  
Fuse: 1.0A, slow blow (SL1600), 1.5A, slow blow (SL4800)

### BASIC FEATURES

- 4 programs: A, B, C; program D can operate concurrently
- 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 Weather 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 120VAC/230VAC transformer with pre-installed 6' line cord
- 2 Watering modes: Basic Mode and Smart Mode
- Basic Mode: User Controlled Conventional Operation
- Smart Mode: Daily automatic programming adjustments

### 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
- Includes cord



SmartLine® Specification		Modules
Model	Description (Indoor/Outdoor)	Increase Zone Count
SL800	4 - Zone+ Indoor Model	SLM2 - 2 Zone / up to 8 Zones
SL1600	4 - Zone Base Model	SLM4 - 4 Zone / up to 16 Zones
SL1620	20 - Fixed Zone Model	N/A
SL1624	24 - Fixed Zone Model	N/A
SL4800	12 - Zone Base Model	SLM12 - 12 Zone / up to 48

Plastic Enclosure / SmartLine® Specification		Modules
Model	Description	Increase Zone Count
SL4800PE-PED	High Grade Polyethylene Enclosure with the SmartLine SL4800 12-Zone Controller (Base Model) Installed	SLM12 - 12 Zone Maximum of 48 zones

E-SL800 EU Plug, 230VAC/50Hz  
E-SL800A Australia plug, 230VAC/50Hz  
E-SL1600 EU Plug, 230VAC/50Hz  
E-SL1600A Australia plug, 230VAC/50Hz  
E-SL4800 230VAC/50Hz



### PL1600/PL1600i

4-Zone base model:  
Expandable to 16 zones

### PL1620

20-Zone fixed zone count

### PL1624

24-Zone fixed zone count

9 1/8" W x 10 1/2" H x 4" D  
23,2 cm x 25,7 cm x 10,2 cm



### PL800

4-Zone base model:  
Expandable to 8 zones

7" W x 7 3/4" H x 1 3/4" D  
17,8 cm x 19,7 cm x 4,4 cm



### PL4800

12-Zone base model:  
Expandable to 48 zones

15" W x 16 1/2" H x 5 7/16" D  
38,1 cm x 41,9 cm x 13,8 cm

## EASILY UPGRADE FROM A PROLINE PANEL TO A SMARTLINE PANEL.

Input: 120VAC/60Hz @ 400mA for 3 valves (PL1600), 5 valve (PL4800)  
Output: 28VAC, 1.0A maximum  
Fuse: 1.0A, slow blow (PL1600), 1.5A, slow blow (PL4800)

### PROFESSIONAL FEATURES

4 programs: A, B, C; program D can operate concurrently  
8 start times per program  
Indoor/Outdoor Rated  
English/Spanish  
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 120VAC/230VAC transformer with pre-installed 6' line cord

### 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  
Includes cord

**SmartLink™**  
COMPATIBLE

**Zone Expansion Modules:** Used by both SmartLine and ProLine controllers



**SLM12**  
12-Zone Module



**SLM4**  
4-Zone Module



**SLM2**  
2-Zone Module

ProLine® Specification		Modules
Model	Description (*Indoor/Outdoor)	Increase Zone Count
PL800	4 - Zone Base Model*	SLM2 - 2 Zone / up to 8 Zones
PL1600	4 - Zone Base Model	SLM4 - 4 Zone / up to 16 Zones
PL1620	20 - Fixed Zone Model	N/A
PL1624	24 - Fixed Zone Model	N/A
PL4800	12 - Zone Base Model	SLM12 - 12 Zone / up to 48

E-PL800 EU Plug, 230VAC/50Hz  
E-PL800A Australia plug, 230VAC/50Hz  
E-PL1600 EU Plug, 230VAC/50Hz  
E-PL1600A Australia plug, 230VAC/50Hz  
E-PL4800 230VAC/50Hz

## AFFORDABLE, WEB-BASED IRRIGATION MANAGEMENT



**Computer**



**Tablet**



**Smartphone**

### PROFESSIONAL FEATURES

- 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)
- Seasonal Adjust by month/program
- Omit Days & Times
- Historical water use reports
- Historical temperature overlays
- Total gallons used per site/controller/zone
- Daily or Monthly summary
- Cellular Communication

### FLOW MONITORING

- Real water use reporting
- Virtual flow reporting when using standard Aircard
- Set low/high flow threshold
- Email alerts with low/high threshold is crossed
- Mainline and/or Zone automatic shut-down when low/high threshold is crossed
- Automatically learns each zone's gpm (running avg./current avg.)
- (FLOW AIRCARD/SENSOR REQUIRED)**

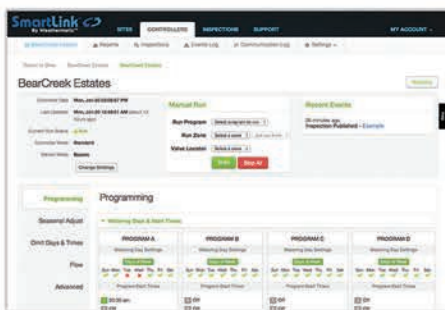
### INSPECTION REPORTING

- Tablet optimized
- Manually operate zones from within application
- Identify then record valve status
- Identify then record zone specific problems
- Record estimated cost of repairs
- Save images for each zone
- Notes can be made globally and per zone
- Export reports to PDF, XLSX, or XLS

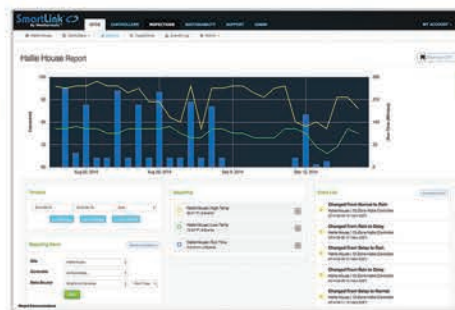
### REQUIREMENTS

- SmartLine or ProLine controller (Firmware 3.10) with SmartLink Aircard installed.
- Yearly subscription fee

Optional extended warranty available includes lightning, theft and physical damage.



Intuitive User Interface



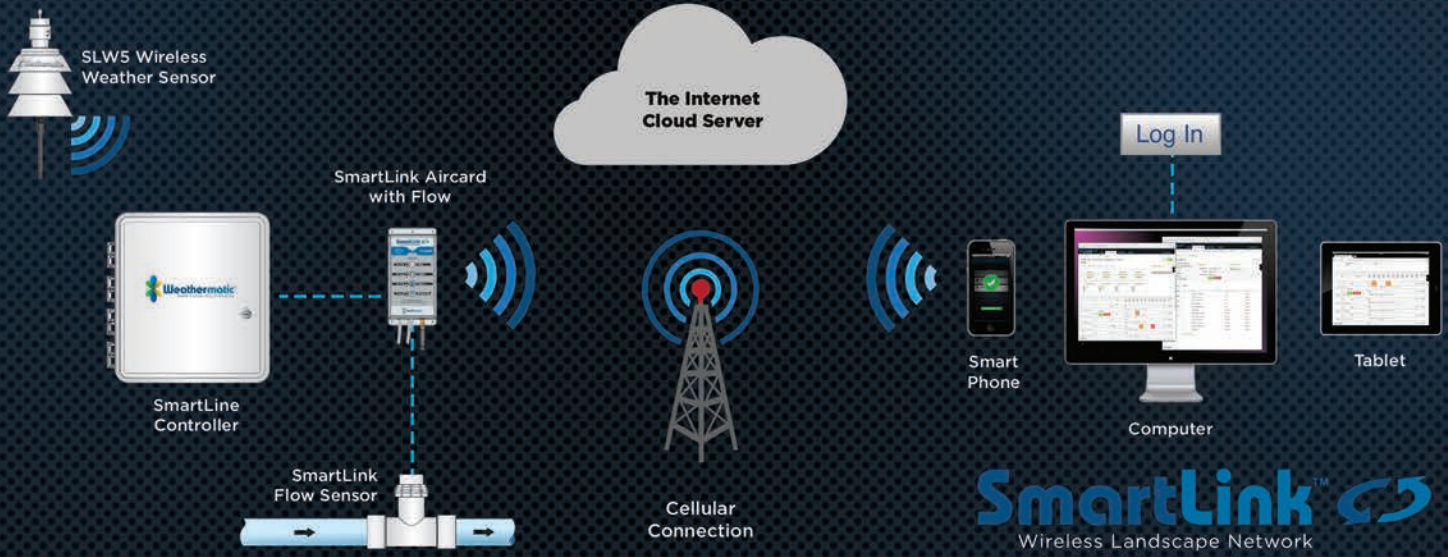
Intuitive Reporting



Inspection Reporting



# HOW IT WORKS



## SMARTLINK MOBILE APPLICATION

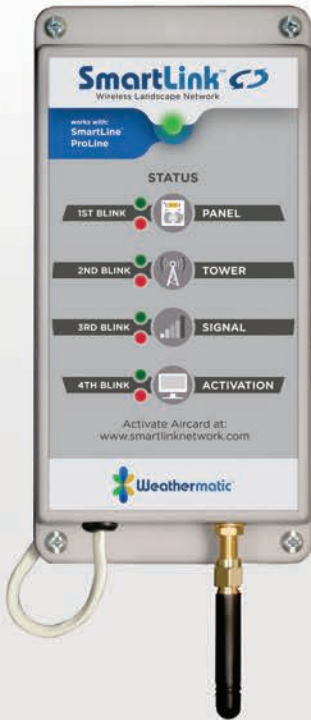


One popular feature of SmartLink™ is the ability to use it as a remote control. We've developed an App for both Apple IOS and Android phones that's main purpose is remote valve activation.

**Other features include:**

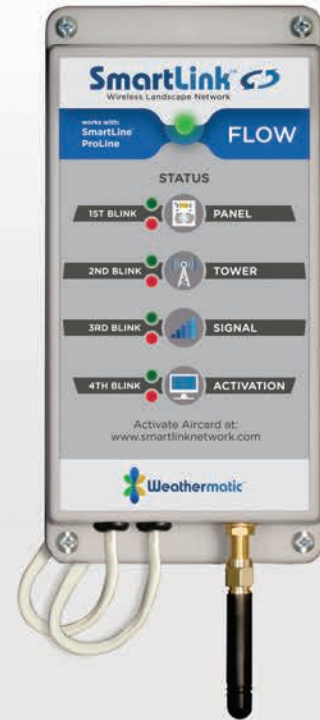
- Valve Locator
- Multiple Site/Controller Access
- Map Integration
- and more...





### FEATURES

- Connects the SmartLine™ or ProLine® 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



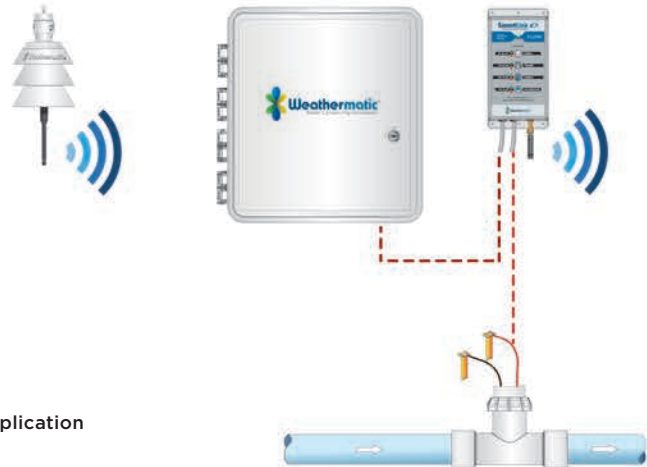
### FLOW AIRCARD FEATURES:

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

SLW5 Weather Sensor  
SL1600 SmartLine Controller  
SmartLink AirCard



SLW5 Weather Sensor  
SL1600 SmartLine Controller  
SmartLink Flow AirCard  
SLFSI-T Flow Sensor



### FEATURES

- Connects the SmartLine or ProLine controller to the SmartLink web application
- Provides Web-Based control from a computer, tablet, or smartphone

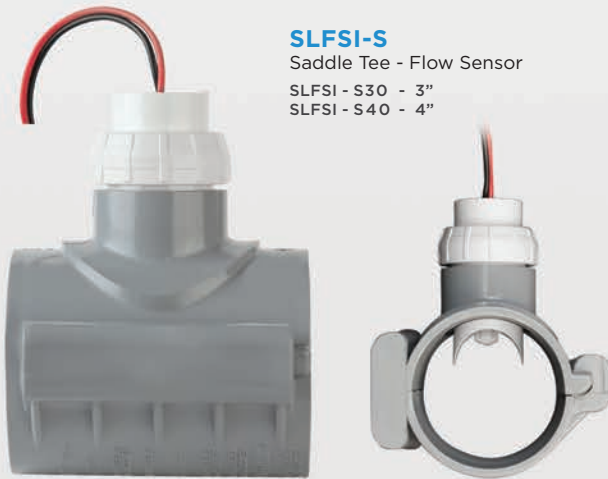
SmartLink™ AirCards		SmartLink™ Network Service Plans		SmartLink™ Network Warranty	
Model	Description	Year	Description	Model	Description
SL-AIRCARD	SmartLink AirCard	1, 2, 3, 5 or 10 (years)	Software Services, Cloud Storage & Unlimited Updates	W	Covers AirCard, Controller, and Weather Station with Lightning, Theft, and Physical Damage for One Year.
SL-AIRCARDFLOW	SmartLink Flow AirCard	1F, 2F, 3F, 5F or 10F (years)	Software Services, Cloud Storage & Unlimited Updates		

\* International AirCards add **E** (ex. E-SL-AIRCARD)





**SLFSI-T**  
PVC Tee - Flow Sensor  
SLFSI - T10 - 1"  
SLFSI - T15 - 1.5"  
SLFSI - T20 - 2"



**SLFSI-S**  
Saddle Tee - Flow Sensor  
SLFSI - S30 - 3"  
SLFSI - S40 - 4"

**Professional Materials**

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

**Pressure Rating**

150 PSI @ 90° F

**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)

**Flow Range**

0.25 to 12 FPS  
3 inch saddle: 6 to 300 GPM  
4 inch saddle: 10 to 480 GPM

**Electrical Cable**

2 single conductor solid copper U.L. listed #18 AWG leads with direct burial insulation

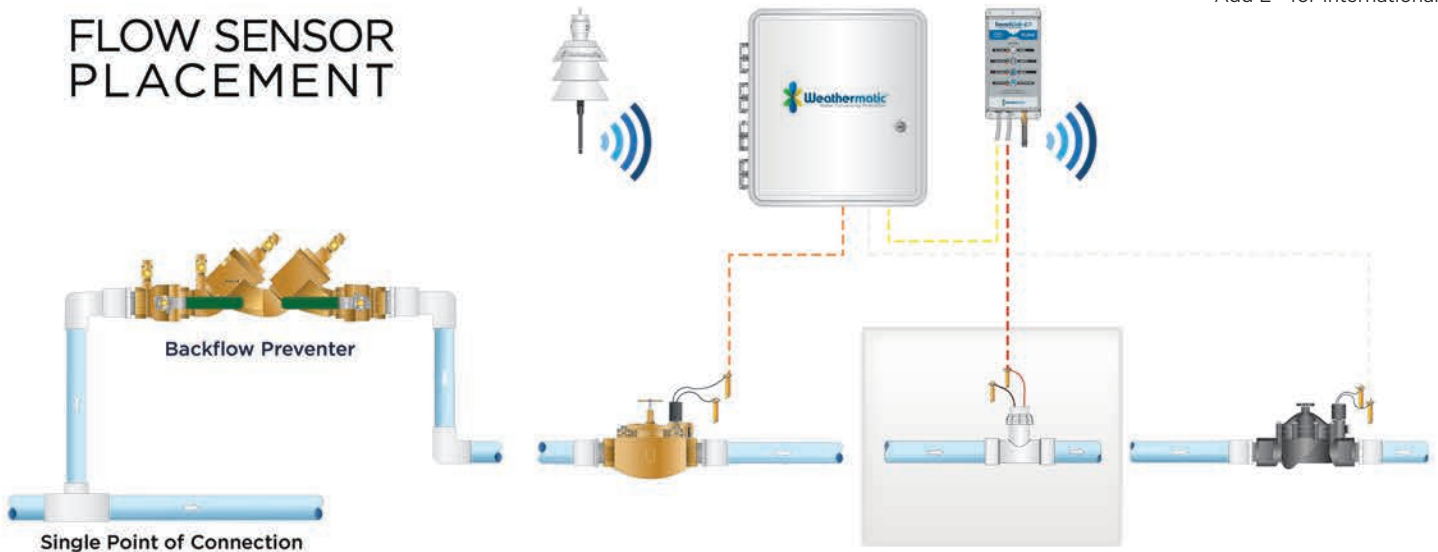
Lead length: 48 inches

Wiring may be extended up to 2,000 feet with direct burial, twisted pair shielded cable

Flow Sensor Specification	
Model	Description
SLFSI-T10	1" Tee Type Insert Flow Sensor - Used with the SmartLink Flow Aircard
SLFSI-T15	1 1/2" Tee Type Insert Flow Sensor - Used with the SmartLink Flow Aircard
SLFSI-T20	2" Tee Type Insert Flow Sensor - Used with the SmartLink Flow Aircard
SLFSI-S30	3" Saddle Type Insert Flow Sensor - Used with the SmartLink Flow Aircard
SLFSI-S40	4" Saddle Type Insert Flow Sensor - Used with the SmartLink Flow Aircard

Add E - for International

**FLOW SENSOR PLACEMENT**



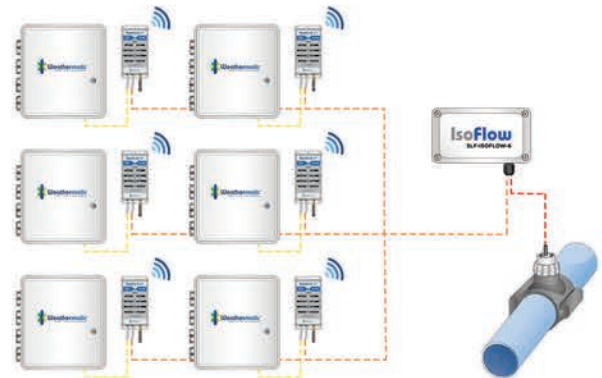
# IsoFlow

## FLOW SENSOR ACCESSORIES



SLF-ISOFLOW-1  
SLF-ISOFLOW-6

The **SLF-ISOFLOW-1** and **SLF-ISOFLOW-6** 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 - 6 SmartLink™ Flow Aircards.



The **SLF-ISOFLOW-6** enables up to 6 SmartLink™/ SmartLine™ Flow Aircard to share a single SLFSI flow sensor.

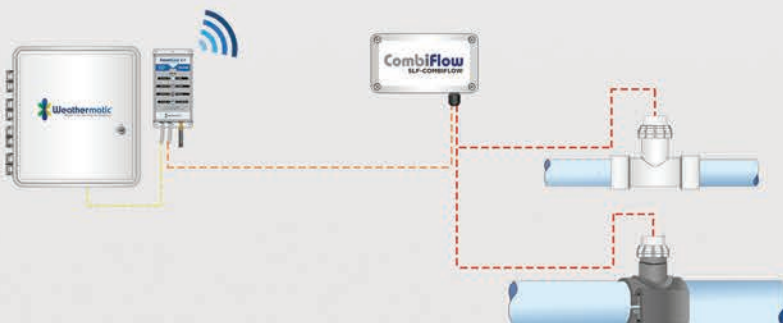
SmartLink™ Flow Accessories	
Model	Description
SLF-ISOFLOW-300	Enables 2 SmartLink Flow Aircards to share 1 SLFSI Flow Sensor
SLF-ISOFLOW-306	Enables 3 to 6 SmartLink Flow Aircards to share 1 SLFSI Flow Sensor

# CombiFlow



SLF-COMBIFLOW

The **SLF-COMBIFLOW** is a unique signal controlled device that conditions and scales the signals from two digital flow sensors and combines them into a 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.



SmartLink™ Flow Accessories	
Model	Description
SLF-COMBIFLOW	Combines 2 separate flow Sensor's data to be used by 1 SmartLink Flow Aircard



## FLOW SENSOR ACCESSORIES



**SLF-WIRERIDE**  
Controller Module



**SLF-WIRERIDE**  
Field Module

The **SLF-WIRERIDE** enables installation of a new Master Valve and Flow Sensor 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 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, 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

Locate a nearby preexisting Zone Valve

Connect the Zone valve, new Master and Flow Sensor 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.

SmartLink™ Flow Accessories	
Model	Description
SLF-WIRERIDE	Add SLFSI Flow Sensor and a Master Valve Without Running New Wire to the Controller

**SL1600**  
SmartLine Controller



**SL-AIRCARD**  
SmartLink Flow Aircard



**SL-WIRERIDE**  
Controller Module

**Preexisting Zone Valves**



**8200CR**  
Bronze Bullet Master Valve



**SLFSI-T**  
Flow Sensor



**SL-WIRERIDE**  
Field Module

**Preexisting Zone Valve**





**DECODER MODULE**

**SLDEC**

SmartWire® 2-Wire Specification	
Model	Description
SLM16DM	16 - Zone Decoder Module
SLM24DM	24 - Zone Decoder Module
SLM48DM	48 - Zone Decoder Module
SLDEC1	1-Valve Decoder
SLDEC2	2 -Valve Decoder
SLDEC4	4 -Valve Decoder
SLGDT	Lightning Arrestor
SLCONN	SmartWire Splice Kit

### DECODER MODULE FEATURES

- Converts the SmartLine® SL1600 Controller to a 2-Wire system for a maximum of 48 zones plus Master Valve
- 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
- Hot-swappable installation

### DECODER FEATURES

- 1, 2, and 4 valve decoders available
- Decodes signals from Decoder Module to open and close valves
- Input voltage 24 - 28VAC from 2-Wire path
- Shock resistant
- Surge protection
- Fully programmable for valve addresses using Decoder Module
- 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 to the Decoder Module
- Auto shut-down if communication with Decoder Module is lost

### WARRANTY

**3 Years** SmartWire when used with SLWIRE  
**1 Year** SmartWire when used without SLWIRE

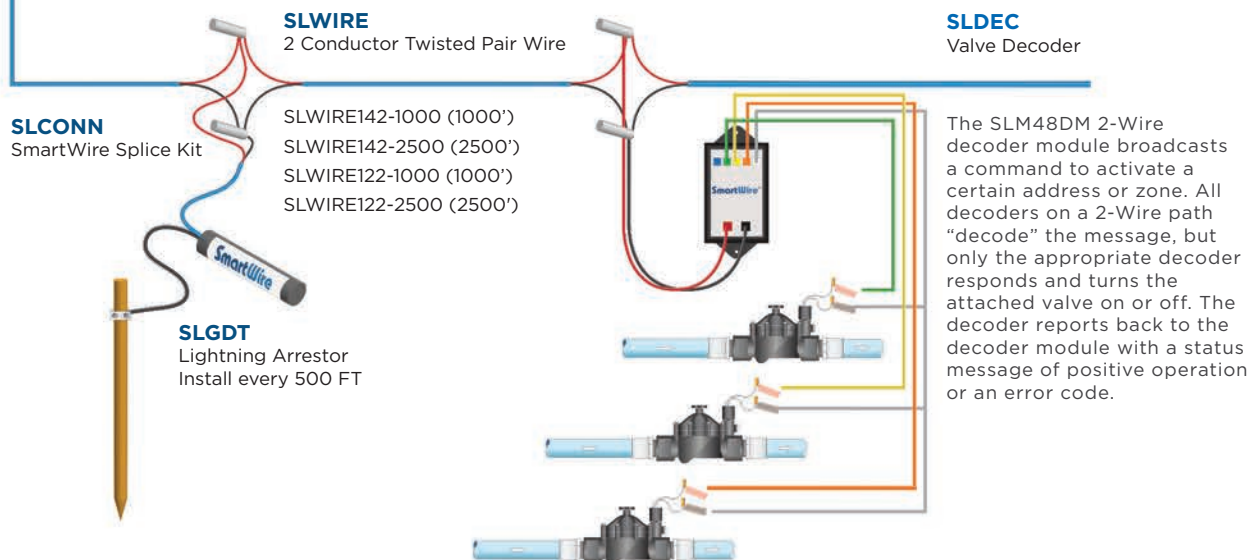


**SLM48DM**

Installed in a SmartLine SL1600

### 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 SLM48DM 2-Wire decoder module installed in a SmartLine® SL1600 controller.





### 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

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 outperform 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

SmartLine™ Solar Specifications	
Model	Description
SLSOLAR48	SmartLine Solar System 48 Zones



## Enclosures

### SLWMSS



SLPED-ENC

### SLPED



### SLPED

Economy pedestal for SL1600 Series and SL4800 controllers

Stainless steel construction with brushed finish

Pedestal mount model

Cam style keylock

Weather-resistant

10½" W x 25" H x 3½" D  
(26,67 cm x 63,50 cm x 8,89 cm)

### SLPED-ENC

Fits all SL1600 Series and SL4800 controllers

16 gauge stainless steel construction with brushed finish

Pedestal mount model

Filtered louvers for ventilation

Cam style keylock

Weather-resistant

NEMA TYPE 3R rated with SmartLine controller installed

17½" W x 34¼" H x 12½" D  
(44,45 cm x 87,00 cm x 31,75 cm)

SmartLine® Enclosures Specification	
Model	Description
SLPED-1600	Economy Stainless Steel Pedestal for the SL1600/1620/1624
SLPED-4800	Economy Stainless Steel Pedestal for the SL4800
SLPED-ENC	Full Stainless Steel Pedestal Enclosure for SL1600/1620/1624/4800
SLWMSS	Wall Mount Stainless Steel Enclosure for SL1600/1620/1624/4800

# SLW5

## WEATHER SENSORS



**SLW5**  
Wireless Weather Sensor

**SLHUB-RF-5**  
Wireless Receiver (included)



SLW5 Weather Sensor Specification	
Model	Description
SLW5	Wireless Weather Sensor for ET Based Watering * 900mhz - 1500' Line of site range

### 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 - 25mm)

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' (457m) 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

Adjustable arm plastic bracket for gutter thumb-screw or wall mount

Operates on 900MHz frequency for superior range and reliability

# SLW1



**SLW1**  
Wired Weather Sensor

SLW1 Weather Sensor Specification	
Model	Description
SLW1	Wired Weather Sensor for ET Based Watering * 35ft of cable provided

### 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 - 25mm)

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

Remote battery strength measurement from the SmartLine® controller

Adjustable arm plastic bracket for gutter thumb-screw or wall mount

Wired directly to the SmartLine controller via the 35 feet of included cable





# RFS5



**RFS5**  
Wireless Weather Sensor

**RFSHUB-5**  
Wireless Receiver (included)

Compatible with both ProLine® and SmartLine™ controllers

## RAIN/FREEZE SENSORS

### FEATURES

- Rain shut-off settable from 1/8 - 1" (3 - 25mm)
- Extended rain delay adds time to rain events before deficits begin to accumulate
- Freeze shut-off activated at 37°F (3.0°C)
- 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
- Adjustable arm plastic bracket for gutter thumb-screw or wall mount
- Operates on 900MHz frequency for superior range and reliability
- Maximum wireless distance from controller to weather station is 1500' (457m) line of site. SLHUB-RF-5 wireless hub included with SLW5

Weather Sensor Specification	
Model	Description
RFS5	Wireless Rain/Freeze Sensor / 900mhz - 1500' Line of site Range



**420GLS**  
Rain Sensor

**420LS**  
Rain/Freeze Sensor

### FEATURES

- Rain shut-off settable from 1/8 - 1" (3 - 25mm)
- 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
- 420LS adds:**
- Extra-long 7" aluminum bracket
- Factory-set freeze thermostat

Weather Sensor Specification	
Model	Description
420GLS	Wired Rain Sensor (35' of cable)
420LS	Wired Rain/Freeze Sensor (35' of cable)

# NITRO

## N-100 SERIES

### FEATURES

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

N-100 Series Valve Pressure Loss			
Flow gpm	Loss PSI	Flow m <sup>3</sup> /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 - N-100 Series Specifications	
Model	Description
N-100-H	1" Valve - FIP *
N-100F-H	1" Valve - FIP with Flow Control *
N-100S-H	1" Valve - Slip x Slip
N-100SF-H	1" Valve - Slip x Slip with Flow Control
N-100MB-H	1" Valve - Male x Barb
N-100MBF-H	1" Valve - Male x Barb with Flow Control

\* International: Specify ISO

## RESIDENTIAL VALVE



N-100-H



N-100F-H



N-100S-H



N-100SF-H



N-100MB-H



N-100MBF-H

### ELECTRICAL

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

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



# SilverBullet

## 12000 SERIES

## RES/COM VALVE

### FEATURES

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

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

High-strength glass-filled nylon body and cover with ¼” 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

12000 Series Valve Pressure Loss

Flow gpm	12024E-10-H 1"	12024E-15-H 1½"	12024E-20-H 2"	Flow m³/h	12024E-10-H 1"	12024E-15-H 1½"	12024E-20-H 2"
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.

Silver Bullet - 12000CR Series

Model	Description
SB-10 (12024E-10-H)	1" 24 VAC
SB-10F (12024EF-10-H)	1" 24 VAC with Flow Control
SB-15 (12024EF-15-H)	1 ½" VAC with Flow Control
SB-20 (12024EF-20-H)	2" VAC with Flow Control

\* International: Specify ISO

12024E-10-H



12024EF-10-H



12024EF-15-H



12024EF-20-H



### ELECTRICAL

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

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

# BlackBullet

## 21000 SERIES

## COMMERCIAL VALVE

### FEATURES

5 year trade warranty and 100% water tested

200 PSI (13,8 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

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

Marine-grade S2OP solenoid with stainless steel actuator

High-strength glass-filled body and cover with ¼” 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



21024E-15-H



21000 WITH XPR OPTION

21000 Series Valve Pressure Loss							
Flow gpm	21024E-10-H 1"	21024E-15-H 1½"	21024E-20-H 2"	Flow m³/h	21024E-10-H 1"	21024E-15-H 1½"	21024E-20-H 2"
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.

\* International: Specify 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.

Black Bullet - 21000CR Series	
Model	Description
BB-DW-10 (21024E-10D-H)	Dirty Water 1" 24 VAC
BB-DW-15 (21024E-15D-H)	Dirty Water 1½" 24 VAC
BB-DW-20 (21024E-20D-H)	Dirty Water 2" 24 VAC

### ELECTRICAL

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

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



# BlackBullet 11000 SERIES MAX

## COMMERCIAL/MASTER VALVE

### 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 ¼" 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



**11024FCR-15**



**11000CR WITH XPR OPTION**

11000CR Series Valve Pressure Loss							
Flow gpm	11024FCR-10 1"	11024FCR-15 1½"	11024FCR-20 2"	Flow m³/h	11024FCR-10 1"	11024FCR-15 1½"	11024FCR-20 2"
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.

### 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.

Black Max - 11000CR Series	
Model	Description
MAX-DW-10 (11024FCR-10D)	Dirty Water 1" 24 VAC
MAX-DW-15 (11024FCR-15D)	Dirty Water 1½" 24 VAC
MAX-DW-20 (11024FCR-20D)	Dirty Water 2" 24 VAC

### ELECTRICAL

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

24VAC/60Hz	24VAC/50Hz
Inrush: 9.86 VA	Inrush: 10.7 VA
Holding: 5.69 VA	Holding: 7.5 VA

\* International: Specify ISO

# BronzeBullet

## 8200 SERIES

## COMMERCIAL/MASTER VALVE

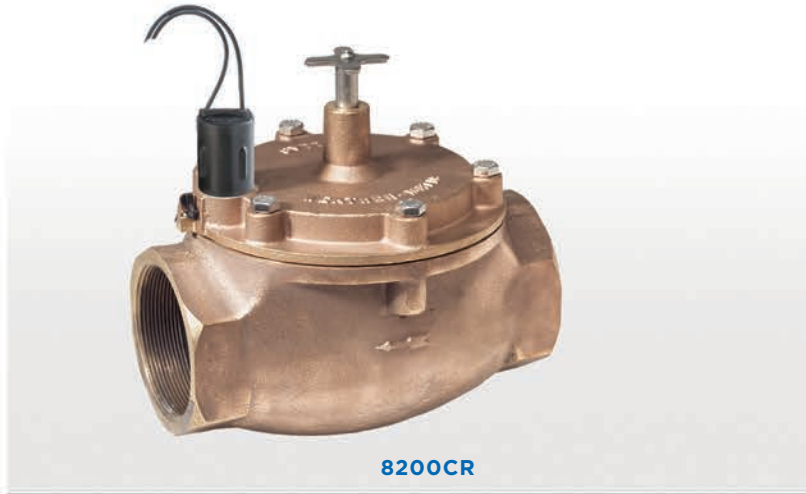
### FEATURES

- 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
- High-strength glass-filled body and cover with ¼" 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

### 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 - 8200CR Series Specifications	
Model	Description
8200CR-10D	1" Red Brass Valve - 24VAC with Flow Control
8200CR-12D	1 ¼" Red Brass Valve - 24VAC with Flow Control
8200CR-15D	1 ½" Red Brass Valve - 24VAC with Flow Control
8200CR-20D	2" Red Brass Valve - 24VAC with Flow Control
8200CR-25D	2 ½" Red Brass Valve - 24VAC with Flow Control
8200CR-30D	3" Red Brass Valve - 24VAC with Flow Control

\* International: Specify ISO

8200CR Series Valve Pressure Loss													
Flow gpm	8200CR-10 1"	8200CR-10 1 ¼"	8200CR-10 1 ½"	8200CR-10 2"	8200CR-10 2 ½"	8200CR-10 3"	Flow m <sup>3</sup> /h	8200CR-10 1"	8200CR-10 1 ¼"	8200CR-10 1 ½"	8200CR-10 2"	8200CR-10 2 ½"	8200CR-10 3"
0 - 10	1.5 max						0 - 2,3	0,10 max					
12	1.8*						3,0	0,14*					
16	2.4	1.9*					4,0	0,19	0,15*				
20	3.1	2.3	1.4*				5,0	0,25	0,19	0,11*			
25	4.0	3.0	1.7				6,0	0,30	0,22	0,13			
30	4.9	3.5	2.1				7,0	0,35	0,26	0,15			
35	5.9	4.1	2.5				8,0	0,42	0,30	0,17			
40	7.2	4.7	2.9	1.1*			9,0	0,50	0,33	0,20	0,08*		
45		5.5	3.3	1.3			10,0		0,37	0,23	0,08		
50		6.3	3.7	1.5			11,0		0,43	0,25	0,10		
55			4.2	1.8			12,0			0,28	0,12		
60			4.8	2.0	1.0*	0.5*	14,0			0,35	0,15	0,08*	0,04*
70			6.2	2.6	1.4	0.7	16,0			0,43	0,19	0,10	0,05
80			7.9	3.4	1.8	0.9	18,0			0,54	0,24	0,12	0,06
90			10.1	4.3	2.1	1.1	20,0			0,68	0,29	0,15	0,08
100				5.3	2.6	1.3	24,0				0,42	0,20	0,10
120				8.0	3.6	1.8	28,0				0,61	0,27	0,13
140				12.0	4.8	2.4	32,0				0,84	0,34	0,17
160				18.2	6.1	3.1	36,0				1,23	0,42	0,21
180					7.5	3.8	40,0					0,51	0,27
200					9.1	4.6	50,0					0,77	0,40
250					14.0	7.1	60,0					1,09	0,56
300					19.6	10.1	70,0					1,45	0,76
350						13.8	80,0						1,00
400						19.3	90,0						1,34

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



# Valve Accessories



**PRK-24 (XPR)  
PRESSURE REGULATOR**

The Weathermatic PRK-24 (XPR) pressure regulating module senses inlet pressure and maintains constant outlet pressure regardless of inlet pressure variation

Maximum inlet pressure: 150 PSI (10,3 BAR)

Minimum flow (see valve tables)

Maximum flow (see valve tables)

Minimum pressure differential between inlet and outlet:

10 PSI (0,7 BAR)

Regulated pressure range at outlet:

15 - 110 PSI (35 PSI)

1,0 - 7,6 BAR (3 0,35 BAR)

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. 906 & 906L VALVE CAPS

Provides access to manual valves

Brass hinged cover

Molded high-impact plastic body allows welding to 2" PVC pipe

906L has locking cover

*Key (RLK-1) may be ordered separately*



## PRG-24 PRESSURE HOSE GAUGE ASSEMBLY

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. 910 AUTOMATIC DRAIN VALVE

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.



**WC - 14**



**WC - 18**

## PRE-FILLED VALVE WIRING CONNECTORS

Eliminates sealant mess

Quick, easy and waterproof

Mention this, get a free t-shirt (during 2014)

WC - 14 accommodates 10, 12, or 14 gauge wire sizes

WC - 18 accommodates 16, 18, or 22 gauge wire sizes



**LX4**  
with LXMPR nozzle



**LX-EXT**  
6" Riser Extension



**LX3**



**LX4**



**LX6**

with side - inlet



**LX12**

## FEATURES

- Flush Plug has easy lift, flexible material
- 5-Year Trade Warranty
- Body cap designed for slip free gripping
- One piece designed wiper seal
- Ultra-low flushing enables 5 PSI sealing
- Two-piece ratchet teeth ensures nozzle alignment
- Optional factory installed check valve
- 100% Virgin material used
- Reinforced ribbed body
- Compatible with all industry-standard female thread nozzles

## OPERATING DATA

- Pressure range: 15 - 70 PSI (1,0 - 4,8 BARS)
- Flow-by: Zero @ 5 PSI (0,3) or greater
- Factory installed check valve: 9.5 ft/hd @ 18 PSI (2.9 m/hd @ 1,2 BAR)



### LXS Shrub Adapter

½" female inlet threads except all industry-standard female nozzles



### LX-NP

Non-potable cover



### LX Check Valve

Factory installed

DIMENSIONS		
½" FEMALE THREADED INLETS		
Model	Body Height	
LX3	5 ¼"	13,3 cm
LX4	6 ¼"	15,9 cm
LX6	8 ½"	21,6 cm
LX12	15 ¼"	38,7 cm
Exposed Cover	2 ¼"	5,7 cm

LX Spray Specification		
Model	Pop-up Height	
LX3	3"	7,6 cm
LX4	4"	10 cm
LX6	6"	15 cm
LX12	12"	30 cm
LX4-CV	4"	10 cm
LX6-CV	6"	15 cm
LX12-CV	12"	30 cm
LX-NP	Snap-on cover	
LX-EXT	6" riser extension	

# LXPRSpray



**LX4PRS30**  
with LXMPR nozzle



**LX-EXT**  
6" Riser Extension



**LX4PRS30 LX6PRS30 LX12PRS30**  
with side - inlet

## FEATURES

- In-Stem pressure regulator set to 30 PSI
- Flush Plug has easy lift, flexible material
- 5-Year Trade Warranty
- Body cap designed for slip free gripping
- One piece designed wiper seal
- Ultra-low flushing enables 5 PSI sealing
- Two-piece ratchet teeth ensures nozzle alignment
- Optional factory installed check valve
- 100% Virgin material used
- Reinforced ribbed body
- Compatible with all industry-standard female thread nozzles

## OPERATING DATA

Factory installed check valve: 9.5 ft/hd @ 18 PSI (2.9 m/hd @ 1,2 BAR)



### LXS Shrub Adapter

1/2" female inlet threads except all industry-standard female nozzles



### LX-NP

Non-potable cover



### LX Check Valve

Factory installed

DIMENSIONS 1/2" FEMALE THREADED INLETS		
Model	Body Height	
LX4PRS30	6 1/4"	15,9 cm
LX6PRS30	8 1/2"	21,6 cm
LX12PRS30	15 1/4"	38,7 cm
Exposed Cover	2 1/4"	5,7 cm

LXPRS Spray Specification		
Model	Pop-up Height	
LX4PRS30	4"	10 cm
LX6PRS30	6"	15 cm
LX12PRS30	12"	30 cm
LX4PRS30-CV	4"	10 cm
LX6PRS30-CV	6"	15 cm
LX12PRS30-CV	12"	30 cm
LX-NP	Snap-on cover	





8 Series



10 Series



12 Series



15 Series



15/9 Strip Series



5 Stream/  
Bubbler Series

### FEATURES

Color-coded for easy identification

Matched precipitation rates across sets and across patterns in each numbered series

LX 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 LX Series sprayheads

Fits all industry-standard sprayheads with male thread risers

Fits LXS, No. 72 and No. 73 Shrub Adapters

### OPERATING DATA

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 BARS)

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

8 Series 5° Spray Trajectory												10 Series 15° Spray Trajectory											
Nozzle	Arc	Pressure PSI	Radius ft	Flow gpm	Precip.		Metric					Nozzle	Arc	Pressure PSI	Radius ft	Flow gpm	Precip.		Metric				
					in/hr ■	in/hr ▲	Pressure BAR	Radius m	Flow m <sup>3</sup> /h	Precip. mm/hr ■	Precip. mm/hr ▲						Pressure BAR	Radius m	Flow m <sup>3</sup> /h	Precip. mm/hr ■	Precip. mm/hr ▲		
8F	360°	15	5	1.2	4.62	5.33	1,0	1,5	0,27	120	139	10F	360°	15	7	1.2	2.36	2.72	1,0	2,1	0,27	61	71
		20	6	1.3	3.48	4.01	1,4	1,8	0,30	93	107			20	8	1.3	1.96	2.26	1,4	2,4	0,30	52	60
		25	7	1.4	2.75	3.18	1,7	2,1	0,32	73	84			25	9	1.4	1.66	1.92	1,7	2,7	0,32	44	51
		30	8	1.6	2.41	2.78	2,1	2,4	0,36	63	72			30	10	1.6	1.54	1.78	2,1	3,0	0,36	40	46
8H	180°	15	5	0.6	4.62	5.33	1,0	1,5	0,14	124	144	10H	180°	15	7	0.6	2.36	2.72	1,0	2,1	0,14	63	73
		20	6	0.7	3.74	4.32	1,4	1,8	0,16	99	114			20	8	0.7	2.11	2.43	1,4	2,4	0,16	56	64
		25	7	0.7	2.75	3.18	1,7	2,1	0,16	73	84			25	9	0.7	1.66	1.92	1,7	2,7	0,16	44	51
		30	8	0.8	2.41	2.78	2,1	2,4	0,18	63	72			30	10	0.8	1.54	1.78	2,1	3,0	0,18	40	46
8T	120°	15	5	0.4	4.62	5.33	1,0	1,5	0,09	120	139	10T	120°	15	7	0.4	2.36	2.72	1,0	2,1	0,09	61	71
		20	6	0.4	3.21	3.70	1,4	1,8	0,09	83	96			20	8	0.4	1.80	2.08	1,4	2,4	0,09	47	54
		25	7	0.5	2.95	3.40	1,7	2,1	0,11	75	86			25	9	0.5	1.78	2.06	1,7	2,7	0,11	45	52
		30	8	0.5	2.26	2.60	2,1	2,4	0,11	57	66			30	10	0.5	1.44	1.67	2,1	3,0	0,11	37	42
8Q	90°	15	5	0.3	4.62	5.33	1,0	1,5	0,07	124	144	10Q	90°	15	7	0.3	2.36	2.72	1,0	2,1	0,07	63	73
		20	6	0.3	3.21	3.70	1,4	1,8	0,07	86	100			20	8	0.3	1.80	2.08	1,4	2,4	0,07	49	56
		25	7	0.4	3.14	3.63	1,7	2,1	0,09	82	94			25	9	0.4	1.90	2.20	1,7	2,7	0,09	49	57
		30	8	0.4	2.41	2.78	2,1	2,4	0,09	63	72			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%

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



12 Series 30° Spray Trajectory											15 Series 30° Spray Trajectory												
Nozzle	Arc	Pressure PSI	Radius ft	Flow gpm	Precip.		Metric					Nozzle	Arc	Pressure PSI	Radius ft	Flow gpm	Precip.		Metric				
					in/hr ■	in/hr ▲	Pressure BAR	Radius m	Flow m <sup>3</sup> /h	Precip. mm/hr ■	Precip. mm/hr ▲						Pressure BAR	Radius m	Flow m <sup>3</sup> /h	Precip. mm/hr ■	Precip. mm/hr ▲		
12F		15	9	1.8	2.14	2.47	1,0	2,7	0,41	56	65	15F		15	11	2.6	2.07	2.39	1,0	3,4	0,59	51	59
		20	10	2.1	2.02	2.33	1,4	3,0	0,48	53	62			20	12	3.0	2.01	2.32	1,4	3,7	0,68	50	57
		25	11	2.4	1.91	2.20	1,7	3,3	0,55	51	58			25	14	3.3	1.62	1.87	1,7	4,3	0,75	41	47
		30	12	2.6	1.74	2.01	2,1	3,7	0,59	43	50			30	15	3.7	1.58	1.83	2,1	4,6	0,84	40	46
12H		15	9	0.9	2.14	2.47	1,0	2,7	0,20	55	63	15H		15	11	1.3	2.07	2.39	1,0	3,4	0,30	52	60
		20	10	1.0	1.93	2.22	1,4	3,0	0,23	51	59			20	12	1.5	2.01	2.32	1,4	3,7	0,34	50	57
		25	11	1.2	1.91	2.20	1,7	3,3	0,27	50	57			25	14	1.7	1.67	1.93	1,7	4,3	0,39	42	49
		30	12	1.3	1.74	2.01	2,1	3,7	0,30	44	51			30	15	1.9	1.63	1.88	2,1	4,6	0,43	41	47
12T		15	9	0.6	2.14	2.47	1,0	2,7	0,14	58	67	15T		15	11	0.9	2.15	2.48	1,0	3,7	0,20	52	60
		20	10	0.7	2.02	2.33	1,4	3,0	0,16	53	62			20	12	1.0	2.01	2.32	1,4	3,7	0,23	50	58
		25	11	0.8	1.91	2.20	1,7	3,3	0,18	50	57			25	14	1.1	1.62	1.87	1,7	4,3	0,25	41	47
		30	12	0.9	1.80	2.08	2,1	3,7	0,20	44	51			30	15	1.2	1.54	1.78	2,1	4,6	0,27	38	44
12Q		15	9	0.5	2.38	2.74	1,0	2,7	0,11	60	70	15Q		15	11	0.7	2.23	2.57	1,0	3,4	0,16	55	64
		20	10	0.5	1.93	2.22	1,4	3,0	0,11	49	56			20	12	0.8	2.14	2.47	1,4	3,7	0,18	53	61
		25	11	0.6	1.91	2.20	1,7	3,3	0,14	51	59			25	14	0.8	1.57	1.81	1,7	4,3	0,18	39	45
		30	12	0.7	1.87	2.16	2,1	3,7	0,16	47	54			30	15	0.9	1.54	1.78	2,1	4,6	0,20	38	44
12TT		15	9	1.1	1.93	2.46	1,0	2,7	0,25	51	65	15TT		15	11	1.6	1.96	2.39	1,0	3,4	0,38	49	60
		20	10	1.3	1.85	2.00	1,4	3,0	0,29	48	53			20	12	1.9	1.90	2.00	1,4	3,7	0,44	48	58
		25	11	1.5	1.73	1.65	1,7	3,3	0,33	45	43			25	14	2.1	1.55	1.47	1,7	4,3	0,48	39	48
		30	12	1.6	1.59	1.39	2,1	3,7	0,37	41	35			30	15	2.3	1.47	1.28	2,1	4,6	0,53	38	46
12TQ		15	9	1.3	2.07	2.46	1,0	2,7	0,30	55	65	15TQ		15	11	2.1	2.24	2.39	1,0	3,4	0,49	57	60
		20	10	1.5	1.96	2.00	1,4	3,0	0,35	52	53			20	12	2.5	2.20	3.00	1,4	3,7	0,57	56	58
		25	11	1.7	1.83	1.65	1,7	3,3	0,40	49	43			25	14	2.8	1.82	1.47	1,7	4,3	0,64	46	48
		30	12	1.8	1.63	1.39	2,1	3,7	0,42	41	35			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	Width x Length (ft)	Flow gpm	Precip.* in/hr	Metric			
					Pressure PSI	Width x Length (ft)	Flow gpm	Precip.* in/hr
	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
	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
	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
	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 (1)	Flow gpm (2)	Metric			
				Pressure BAR	Radius m (1)	Flow m <sup>3</sup> /h (2)	
	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	
	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	
	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	
	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)



**8A    10A    12A    15A    17A**

### 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 LX Series sprayheads
- Fits all industry-standard sprayheads with male thread risers








### OPERATING DATA

- Precipitation rate: 1.18 – 5.74” per hour (30 – 146 mm/h)
- Pressure: 20 – 40 PSI (1,4 – 2,8 BARS)

LX Adjustable Arc Nozzles											
Nozzle 8A Trajectory: 0° Color Code: YELLOW				Nozzle 10A Trajectory: 5° Color Code: RED		Nozzle 12A Trajectory: 15° Color Code: GREEN		Nozzle 15A Trajectory: 30° Color Code: GREY		Nozzle 17A Trajectory: 30° Color Code: GREY	
Arc	Pressure PSI	Radius ft	Flow gpm	Radius ft	Flow gpm	Radius ft	Flow gpm	Radius ft	Flow gpm	Radius ft	Flow gpm
45° 	20	8	0.57	10	0.59	12	0.50	15	0.51	16	0.41
	25	8	0.62	10	0.66	12	0.61	15	0.62	16	0.48
	30	8	0.68	10	0.74	12	0.64	15	0.72	16	0.53
	35	9	0.72	11	0.80	13	0.71	16	0.76	17	0.57
	40	9	0.78	11	0.86	13	0.72	16	0.79	17	0.61
90° 	20	8	0.82	10	0.93	12	0.75	15	0.82	16	0.84
	25	8	0.88	10	1.00	12	0.93	15	0.93	16	0.95
	30	8	0.97	10	1.11	12	1.00	15	1.04	16	1.03
	35	9	1.03	11	1.19	13	1.10	16	1.10	17	1.08
	40	9	1.13	11	1.27	13	1.16	16	1.20	17	1.14
120° 	20	8	0.90	10	1.10	12	0.87	15	1.10	16	1.02
	25	8	1.15	10	1.31	12	1.04	15	1.21	16	1.09
	30	8	1.25	10	1.41	12	1.13	15	1.33	16	1.19
	35	9	1.35	11	1.50	13	1.22	16	1.44	17	1.24
	40	9	1.41	11	1.60	13	1.32	16	1.50	17	1.34
180° 	20	8	1.35	10	1.45	12	1.21	15	1.42	16	1.36
	25	8	1.47	10	1.61	12	1.28	15	1.65	16	1.53
	30	8	1.61	10	1.78	12	1.59	15	1.75	16	1.68
	35	9	1.74	11	1.87	13	1.73	16	1.89	16	1.82
	40	9	1.83	11	2.02	13	1.87	16	2.06	16	1.95
240° 	20	8	1.73	10	1.90	12	1.46	15	1.55	16	1.62
	25	8	1.97	10	2.12	12	1.63	15	1.75	16	1.83
	30	8	2.20	10	2.30	12	1.80	15	1.91	16	2.04
	35	9	2.40	11	2.52	13	1.94	16	2.04	16	2.22
	40	9	2.56	11	2.67	13	2.14	16	2.15	16	2.37
270° 	20	8	1.87	10	2.00	12	1.54	15	2.02	16	1.96
	25	8	2.10	10	2.26	12	1.73	15	2.32	16	2.21
	30	8	2.26	10	2.47	12	1.93	15	2.51	16	2.47
	35	9	2.40	11	2.70	13	2.11	16	2.74	16	2.64
	40	9	2.63	11	2.98	13	2.30	16	2.97	16	2.80
360° 	20	8	2.21	10	2.31	12	1.67	15	2.38	16	2.53
	25	8	2.52	10	2.61	12	1.89	15	2.66	16	2.86
	30	8	2.84	10	2.87	12	2.11	15	2.96	16	3.30
	35	9	2.99	11	3.13	13	2.27	16	3.26	16	3.43
	40	9	3.20	11	3.37	13	2.44	16	3.46	16	3.83





LX Adjustable Arc Nozzles													
	Nozzle 8A Trajectory: 0° Color Code: YELLOW			Nozzle 10A Trajectory: 5° Color Code: RED			Nozzle 12A Trajectory: 15° Color Code: GREEN			Nozzle 15A Trajectory: 30° Color Code: GREY		Nozzle 17A Trajectory: 30° Color Code: GREY	
	Metric												
Arc	Pressure BAR	Radius m	Flow m <sup>3</sup> /h	Radius m	Flow m <sup>3</sup> /h	Radius m	Flow m <sup>3</sup> /h	Radius m	Flow m <sup>3</sup> /h	Radius m	Flow m <sup>3</sup> /h		
45° 	1,38	2,4	0,13	3,0	0,13	3,7	0,11	4,6	0,12	4,9	0,09		
	1,72	2,4	0,14	3,0	0,15	3,7	0,14	4,6	0,14	4,9	0,11		
	2,07	2,4	0,15	3,0	0,17	3,7	0,15	4,6	0,16	4,9	0,12		
	2,41	2,7	0,16	3,4	0,18	4,0	0,16	4,9	0,17	5,2	0,13		
	2,76	2,7	0,18	3,4	0,20	4,0	0,16	4,9	0,18	5,2	0,14		
90° 	1,38	2,4	0,19	3,0	0,21	3,7	0,17	4,6	0,19	4,9	0,19		
	1,72	2,4	0,20	3,0	0,23	3,7	0,21	4,6	0,21	4,9	0,22		
	2,07	2,4	0,22	3,0	0,25	3,7	0,23	4,6	0,24	4,9	0,23		
	2,41	2,7	0,23	3,4	0,27	4,0	0,25	4,9	0,25	5,2	0,25		
	2,76	2,7	0,26	3,4	0,29	4,0	0,26	4,9	0,27	5,2	0,26		
120° 	1,38	2,4	0,20	3,0	0,25	3,7	0,20	4,6	0,25	4,9	0,23		
	1,72	2,4	0,26	3,0	0,30	3,7	0,24	4,6	0,27	4,9	0,25		
	2,07	2,4	0,28	3,0	0,32	3,7	0,26	4,6	0,30	4,9	0,27		
	2,41	2,7	0,31	3,4	0,34	4,0	0,28	4,9	0,33	5,2	0,28		
	2,76	2,7	0,32	3,4	0,36	4,0	0,30	4,9	0,34	5,2	0,30		
180° 	1,38	2,4	0,31	3,0	0,33	3,7	0,28	4,6	0,32	4,9	0,31		
	1,72	2,4	0,33	3,0	0,37	3,7	0,29	4,6	0,37	4,9	0,35		
	2,07	2,4	0,37	3,0	0,40	3,7	0,36	4,6	0,40	4,9	0,38		
	2,41	2,7	0,40	3,4	0,42	4,0	0,39	4,9	0,43	4,9	0,41		
	2,76	2,7	0,42	3,4	0,46	4,0	0,42	4,9	0,47	4,9	0,44		
240° 	1,38	2,4	0,39	3,0	0,43	3,7	0,33	4,6	0,35	4,9	0,37		
	1,72	2,4	0,45	3,0	0,48	3,7	0,37	4,6	0,40	4,9	0,42		
	2,07	2,4	0,50	3,0	0,52	3,7	0,41	4,6	0,43	4,9	0,46		
	2,41	2,7	0,55	3,4	0,57	4,0	0,44	4,9	0,46	4,9	0,50		
	2,76	2,7	0,58	3,4	0,61	4,0	0,49	4,9	0,49	4,9	0,54		
270° 	1,38	2,4	0,42	3,0	0,45	3,7	0,35	4,6	0,46	4,9	0,45		
	1,72	2,4	0,48	3,0	0,51	3,7	0,39	4,6	0,53	4,9	0,50		
	2,07	2,4	0,51	3,0	0,56	3,7	0,44	4,6	0,57	4,9	0,56		
	2,41	2,7	0,55	3,4	0,61	4,0	0,48	4,9	0,62	4,9	0,60		
	2,76	2,7	0,60	3,4	0,68	4,0	0,52	4,9	0,67	4,9	0,64		
360° 	1,38	2,4	0,50	3,0	0,52	3,7	0,38	4,6	0,54	4,9	0,57		
	1,72	2,4	0,57	3,0	0,59	3,7	0,43	4,6	0,60	4,9	0,65		
	2,07	2,4	0,65	3,0	0,65	3,7	0,48	4,6	0,67	4,9	0,75		
	2,41	2,7	0,68	3,4	0,71	4,0	0,52	4,9	0,74	4,9	0,78		
	2,76	2,7	0,73	3,4	0,77	4,0	0,55	4,9	0,79	4,9	0,87		



### FEATURES

- Milled brass design provides best available uniform precipitation
- Arcs and angles for any landscape requirement
- Maintains matched precipitation rates between arcs within a radius

### APPLICATIONS

- Projects that require nothing but the very best
- For use with all LX Series sprayheads
- Fits all industry-standard sprayheads with male thread risers

### OPERATING DATA

- Low minimum operating pressure of 20 PSI (1,4 BAR)
- B3 nozzles are compatible with most micro-irrigation application rates



FULL Circle



PART Circle

30° and Low Angle 15° Trajectory / Matched Precipitation																
		B3	B10		B12		B15		B18		B20		B24			
Max Spacing Arc	Model	PSI	3 - 5 Feet radius		10 Feet radius		12 Feet radius		15 Feet radius		18 Feet radius		20 Feet radius		24 Feet radius	
360°	F	20			1.7	9	2.4	11	3.4	12	4.2	13	6.2	16		
		25			1.9	9	2.7	12	3.8	13	4.8	14	6.8	17		
		30			2.1	11	3.0	12	4.2	13	5.3	15	7.5	18		
180°	H	20	0.3	5	0.6	8	1.0	9	1.4	11	2.0	12	2.4	13	3.3	16
		25	0.3	6	0.7	8	1.1	9	1.6	12	2.3	13	2.7	14	3.5	17
		30	0.3	7	0.7	9	1.2	11	1.8	12	2.5	13	2.9	15	4.0	18
90°	Q	20	0.3	5	0.3	8	0.5	9	0.7	11	1.0	12	1.2	13	1.8	16
		25	0.3	6	0.4	8	0.6	9	0.8	12	1.1	13	1.4	14	1.9	17
		30	0.3	7	0.4	9	0.7	11	0.9	12	1.2	13	1.5	15	2.1	18
120°	T	20	0.3	5	0.4	8	0.7	9	1.0	11	1.3	12	1.6	13	2.2	16
		25	0.3	6	0.5	8	0.7	9	1.1	12	1.4	13	1.8	14	2.4	17
		30	0.3	7	0.6	9	0.8	11	1.2	12	1.6	13	2.0	15	2.7	18
240°	TT	20			0.8	8	1.3	9	2.2	11	2.7	12	3.3	13	4.6	16
		25			0.9	8	1.5	9	2.4	12	3.2	13	3.7	14	5.2	17
		30			1.0	9	1.7	11	2.6	12	3.5	13	4.1	15	5.7	18
270°	TQ	20	0.3	5	0.9	8	1.4	9	2.4	11	3.1	12	3.8	13	5.2	16
		25	0.3	6	1.0	8	1.6	9	2.6	12	3.5	13	4.3	14	5.5	17
		30	0.3	7	1.1	9	1.8	11	2.9	12	3.8	13	4.7	15	6.1	18
105°	105	20						0.8	11	1.1	12	1.4	13			
		25						1.0	12	1.3	13	1.6	14			
		30						1.1	12	1.5	13	1.8	15			
135°	135	20	0.3	5	0.5	8	0.7	9	1.0	11	1.5	12	1.8	13	2.5	16
		25	0.3	6	0.6	8	0.8	9	1.2	12	1.7	13	2.1	14	2.9	17
		30	0.3	7	0.6	9	0.9	11	1.4	12	1.9	13	2.3	15	3.2	18
165°	165	20						1.3	11	1.8	12	2.3	13			
		25						1.5	12	1.9	13	2.6	14			
		30						1.7	12	2.3	13	2.9	15			
195°	195	20				1.0	9	1.5	11	2.2	12	2.8	13	3.9	16	
		25				1.1	9	1.7	12	2.5	13	3.2	14	4.4	17	
		30				1.3	11	1.9	12	2.8	13	3.5	15	4.9	18	
225°	225	20			0.7	8	1.3	9	2.0	11	2.5	12	3.0	13	4.3	16
		25			0.9	8	1.4	9	2.3	12	2.9	13	3.4	14	4.9	17
		30			0.9	9	1.6	11	2.6	12	3.2	13	3.8	15	5.4	18



PART Circle with included filter

### Brass Nozzle Shrub Adapters



NO. 72  
1/2" Copper



NO. 73  
1/2" IPS

30° and Low Angle 15° Trajectory / Matched Precipitation																
		B3	B10		B12		B15		B18		B20		B24			
Metric																
Arc	Max Spacing Model	BAR	0,9 - 1,5 m		3,0 m		3,6 m		4,4 m		5,4 m		6,0 m		7,2 m	
			m <sup>2</sup> /h	radius	m <sup>2</sup> /h	radius	m <sup>2</sup> /h	radius	m <sup>2</sup> /h	radius	m <sup>2</sup> /h	radius	m <sup>2</sup> /h	radius	m <sup>2</sup> /h	radius
360°	F	1,4 1,7 2,1					0,39 0,43 0,48	2,7 2,7 2,7	0,55 0,61 0,68	3,3 3,6 3,6	0,77 0,86 0,95	3,6 3,9 3,9	0,95 1,09 1,20	3,9 4,2 4,5	1,34 1,41 1,59	4,8 5,1 5,4
180°	H	1,4 1,7 2,1	0,07 0,07 0,07	1,5 1,8 2,1	0,14 0,16 0,16	2,4 2,4 2,7	0,23 0,25 0,27	2,7 2,7 3,3	0,32 0,36 0,41	3,3 3,6 3,6	0,45 0,52 0,57	3,6 3,9 3,9	0,55 0,61 0,66	3,9 4,2 4,5	0,75 0,79 0,91	4,8 5,1 5,4
90°	Q	1,4 1,7 2,1	0,07 0,07 0,07	1,5 1,8 2,1	0,07 0,09 0,09	2,4 2,4 2,7	0,11 0,14 0,16	2,7 2,7 3,3	0,16 0,18 0,20	3,3 3,6 3,6	0,23 0,25 0,27	3,6 3,9 3,9	0,27 0,32 0,34	3,9 4,2 4,5	0,41 0,43 0,48	4,8 5,1 5,4
120°	T	1,4 1,7 2,1	0,07 0,07 0,07	1,5 1,8 2,1	0,09 0,11 0,14	2,4 2,4 2,7	0,16 0,16 0,18	2,7 2,7 3,3	0,23 0,25 0,27	3,3 3,6 3,6	0,30 0,32 0,36	3,6 3,9 3,9	0,36 0,41 0,45	3,9 4,2 4,5	0,50 0,55 0,61	4,8 5,1 5,4
240°	TT	1,4 1,7 2,1			0,18 0,20 0,23	2,4 2,4 2,7	0,30 0,34 0,39	2,7 2,7 3,3	0,50 0,55 0,59	3,3 3,6 3,6	0,61 0,73 0,79	3,6 3,9 3,9	0,75 0,84 0,93	3,9 4,2 4,5	1,04 1,18 1,29	4,8 5,1 5,4
270°	TQ	1,4 1,7 2,1			0,20 0,23 0,25	2,4 2,4 2,7	0,32 0,36 0,41	2,7 2,7 3,3	0,55 0,59 0,66	3,3 3,6 3,6	0,70 0,79 0,86	3,6 3,9 3,9	0,86 0,98 1,07	3,9 4,2 4,5	1,18 1,25 1,39	4,8 5,1 5,4
105°	105	1,4 1,7 2,1							0,18 0,23 0,25	3,3 3,6 3,6	0,25 0,30 0,34	3,6 3,9 3,9	0,32 0,36 0,41	3,9 4,2 4,5		
135°	135	1,4 1,7 2,1	0,07 0,07 0,07	1,5 1,8 2,1	0,11 0,14 0,14	2,4 2,4 2,7	0,16 0,18 0,20	2,7 2,7 3,3	0,25 0,27 0,32	3,3 3,6 3,6	0,34 0,39 0,43	3,6 3,9 3,9	0,41 0,48 0,52	3,9 4,2 4,5	0,57 0,66 0,73	4,8 5,1 5,4
165°	165	1,4 1,7 2,1							0,30 0,34 0,39	3,3 3,6 3,6	0,41 0,43 0,52	3,6 3,9 3,9	0,52 0,59 0,66	3,9 4,2 4,5		
195°	195	1,4 1,7 2,1					0,23 0,25 0,30	2,7 2,7 3,3	0,34 0,39 0,43	3,3 3,6 3,6	0,50 0,57 0,64	3,6 3,9 3,9	0,64 0,73 0,79	3,9 4,2 4,5	0,89 1,00 1,11	4,8 5,1 5,4
225°	225	1,4 1,7 2,1			0,16 0,20 0,20	2,4 2,4 2,7	0,30 0,32 0,36	2,7 2,7 3,3	0,45 0,52 0,59	3,3 3,6 3,6	0,57 0,66 0,73	3,6 3,9 3,9	0,68 0,77 0,86	3,9 4,2 4,5	0,98 1,11 1,23	4,8 5,1 5,4



B Series Strip Nozzles

B Series Strip Nozzles										
		B10		B15		B10		B15		
Metric										
Arc	PSI	gpm	W + L (ft)	gpm	W + L (ft)	BAR	m <sup>2</sup> /h	W + L (m)	m <sup>2</sup> /h	W + 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





### 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.



### 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

### 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 Arc	PSI	3 - 5' Spacing (varies with application)				10' Max Spacing <sup>1</sup>				12' Max Spacing <sup>1</sup>				15' Max Spacing <sup>1</sup>				18' Max Spacing <sup>1</sup>				20' Max Spacing <sup>1</sup>			
		No.	gpm	radius <sup>2</sup>	ER <sup>3</sup>	No.	gpm	radius <sup>2</sup>	ER <sup>3</sup>	No.	gpm	radius <sup>2</sup>	ER <sup>3</sup>	No.	gpm	radius <sup>2</sup>	ER <sup>3</sup>	No.	gpm	radius <sup>2</sup>	ER <sup>3</sup>	No.	gpm	radius <sup>2</sup>	ER <sup>3</sup>
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
	25		.3	6	5		.7	8	7		1.1	9	8		1.6	12	10		2.3	13	12		2.7	14	13
	30		.3	7	5		.7	9	8		1.2	11	9		1.8	12	11		2.5	13	12		2.9	15	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
	25		.3	6	5		.4	8	7		.6	9	8		.8	12	10		1.1	13	12		1.4	14	13
	30		.3	7	5		.4	9	8		.7	11	9		.9	12	11		1.2	13	12		1.5	15	14
120°	20	100A	.3	5	4								115A	1.0	11	10					120A	1.6	13	12	
	25		.3	6	5									1.1	12	10						1.8	14	13	
	30		.3	7	5									1.2	12	11						2.0	15	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
	25		.3	6	5		1.0	8	7		1.6	9	8						3.5	13	12		4.3	14	13
	30		.3	7	5		1.1	9	8		1.8	11	9						3.8	13	12		4.7	15	14

#### Metric

Nozzle Arc	PSI	0,9 - 1,5m Spacing (varies with application)				3,0m Max Spacing <sup>1</sup>				3,6m Max Spacing <sup>1</sup>				4,4m Max Spacing <sup>1</sup>				5,4m Max Spacing <sup>1</sup>				6,0m Max Spacing <sup>1</sup>			
		No.	gpm	radius <sup>2</sup>	ER <sup>3</sup>	No.	gpm	radius <sup>2</sup>	ER <sup>3</sup>	No.	gpm	radius <sup>2</sup>	ER <sup>3</sup>	No.	gpm	radius <sup>2</sup>	ER <sup>3</sup>	No.	gpm	radius <sup>2</sup>	ER <sup>3</sup>	No.	gpm	radius <sup>2</sup>	ER <sup>3</sup>
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
	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
	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
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
	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
	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
120°	1,4	100A	0,07	1,5	1,2								115A	0,23	3,3	3,0					120A	0,36	3,9	3,6	
	1,7		0,07	1,8	1,5									0,25	3,6	3,0						0,41	4,2	3,9	
	2,1		0,07	2,1	1,5									0,27	3,6	3,3						0,45	4,5	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
	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
	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

1 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.  
2 Listed radius determined by ASAE industry standard measurement of .01" (0,3 mm) per hour. Nozzle mounted on 12" (30 cm) riser.

3 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.

# Bubblers & Bed Sprays



**NO. 106  
PRESSURE  
COMPENSATING BUBBLER**



**NO. 102 & 103  
ADJUSTABLE  
BUBBLERS**

## MODELS

- 106-50** .5 GPM
- 106-100** 1.0 GPM

## NO. 106 SERIES

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

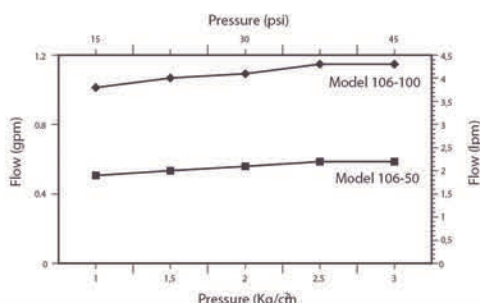
- Pressure compensating bubbler with trickle pattern
- Inlet filter screen to prevent clogging
- Durable engineering-grade plastic construction
- Available in 1/2 GPM and 1 GPM discharge models
- Application for tree wells and bed areas

## CONSTRUCTION

Durable ABS plastic housing. Pressure compensating device is made of long life Buna-N rubber (1/2" IPS connection)

## OPERATING RANGE

- 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/cm<sup>2</sup>



## MODELS

- 102** Screwdriver adjustment
- 103** Knob adjustment

## NO. 102 & 103 SERIES

No. 102 and 103 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 patten, full circle bubbler
- Durable engineering-grade plastic construction
- Inlet filter screen to prevent clogging
- Application for free wells and bed areas

## CONSTRUCTION

Durable ABS plastic housing with stainless steel adjustment screw (1/2" IPS connection)

## OPERATING RANGE

- Flow: 1.1 - 2.3 gpm 0,25 - 0,52 m<sup>3</sup>/h
- Spacing: 1 - 3' 0,3 - 0,9 m
- Pressure: 10 - 60 PSI 1,1 - 4,2 BAR

No. 102 & 103 Performance Data						
Pressure		Flow				
PSI	kg/cm <sup>2</sup>	Min*	gpm	Max	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.



**NO. 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	Metric		
					BAR	Dia. (m)	m <sup>2</sup> /h
•	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

# T3 Turbo

## RES/COM ROTOR



T3

T3SS

T3S



T3 Nozzles

### FEATURES

- 5 year warranty and 100% water tested
- Thick, vandal resistant rubber cover is standard; visible arrows indicate + or - arc adjustment
- Radius adjustment screw decreases radius up to 25%
- “Punch-thru” cover to protect nozzle retaining screw from debris
- Easy-grip threaded cover
- 14 field-changeable nozzles - SmartAngle (low angle) and Flow+ included
- Safety clutch for vandal protection; ratchets like a sprayhead
- Part circle models adjust from 40 - 360°; no tools required
- Expanded “arc dwell” on part circle models provides full coverage along borders
- Pressure activated wiper seal and strong stainless steel spring on pop-up models to ensure positive retraction
- High-tech micro filter protects reversing mechanism
- Streamlined large flow tube to minimize pressure loss through sprinkler
- Impeller flow regulator automatically matches rotation to nozzle selection
- Smooth impeller gear drive for highly uniform watering
- Large area, basket type, removable strainer for debris protection
- Standard Ready Check™ check valve on T3 and T35 models is easily reversed in the field to a “check” position. Check valve holds back 12’ (3,7 m/hd) of elevated water.

### CONSTRUCTION

- High-strength non-corrosive plastics and metals used throughout sprinkler
- Sealed, lubricant packed drive housing provides long life performance
- Options (factory installed)
  - Non-potable cover (add “N” suffix)
  - Vandal cover lock (add “XV” prefix)
  - Check valve in “check” position (add “CV” prefix)

### ACCESSORIES

T3ST Nozzle install collar

### T3 DIMENSIONS

Height (closed): 7 5/8" (19,4 cm)  
 Pop-up Height: 4" (10,2 cm)  
 Inlet: 3/4" IPS

### T3S SHRUB DIMENSIONS

Height 8 3/8" (20,8 cm)      Inlet: 3/4" IPS

T3 Turbo Specifications	
Model	Type
T3	Adjustable arc
T3-36	Full circle
T3S	Stainless steel adjustments arc
T3SS	Stainless steel full circle
T3-36SS	Stainless steel pop-up full circle





T35

T35SS



T35 NOZZLES

### T35 DIMENSIONS

Height (closed): 8 1/16" (22,4 cm)

Pop-up Height: 4" (10,2 cm)

Inlet: 1" IPS (specify ISO for international)

T35 Turbo Specifications	
Model	Type
T35	Pop-up adjustable arc
T35-36	Pop-up full circle
T35-SS	Stainless steel pop-up adj. arc
T35-36SS	Stainless steel pop-up full circle

T3/T35 Operating Range		
Precipitation Rate	Approx. 0.4 - 0.6" per hour @ 50 PSI	Metric 10 - 15 mm per hour @ 3,5 BAR
Radius	23 - 61'	7,0 - 18,6 m
Pressure	20 - 70 PSI	1,4 - 4,8 BAR
Flow	0.5 - 14.9 gpm	0,11 - 3,39 m <sup>3</sup> /h

T3 / T35 Performance										
Nozzle	Pressure PSI	Radius ft.	Flow gpm	Precip. in/hr ■	Precip. in/hr ▲	Metric				
						Pressure BAR	Radius m	Flow m <sup>3</sup> /hr	Precip. mm/hr ■	Precip. mm/hr ▲
<b>STANDARD ANGLE 26° TRAJECTORY</b>										
1	30	28	0.7	0.17	0.20	2,1	8,5	0,16	4	5
	40	32	0.8	0.15	0.17	2,8	9,8	0,18	4	4
	50	33	0.9	0.16	0.18	3,4	10,1	0,20	4	5
	60	33	1.0	0.18	0.20	4,1	10,1	0,23	4	5
1.5	30	31	1.0	0.20	0.23	2,1	9,4	0,23	5	6
	40	35	1.4	0.19	0.22	2,8	10,7	0,27	5	6
	50	36	1.6	0.24	0.27	3,4	11,0	0,36	6	7
	60	36	1.8	0.27	0.31	4,1	11,0	0,41	7	8
2	30	28	1.2	0.29	0.34	2,1	8,5	0,27	7	9
	40	35	1.4	0.22	0.25	2,8	10,7	0,32	6	6
	50	35	1.9	0.30	0.34	3,4	10,7	0,43	8	9
	60	35	2.3	0.36	0.42	4,1	10,7	0,52	9	11
3	30	30	1.7	0.36	0.42	2,1	9,1	0,39	9	11
	40	38	2.0	0.27	0.31	2,8	11,6	0,45	7	8
	50	39	2.4	0.30	0.35	3,4	11,9	0,55	8	9
	60	41	2.8	0.32	0.37	4,1	12,6	0,64	8	9
3.5	40	41	3.5	0.40	0.46	2,8	12,5	0,79	10	12
	50	42	3.7	0.40	0.47	3,4	12,8	0,84	10	12
	60	43	4.3	0.45	0.52	4,1	13,1	0,98	11	13
4	40	44	4.0	0.40	0.46	2,8	13,4	0,91	10	12
	50	45	4.3	0.41	0.47	3,4	13,7	0,98	10	12
	60	46	5.0	0.45	0.53	4,1	14,0	1,14	11	13
6	40	45	5.5	0.52	0.60	2,8	13,7	1,25	13	15
	50	46	6.3	0.57	0.66	3,4	14,0	1,43	15	17
	60	47	6.9	0.60	0.69	4,1	14,3	1,57	15	18
8	40	45	6.3	0.60	0.69	2,8	13,7	1,43	15	18
	50	47	7.5	0.65	0.75	3,4	14,3	1,70	17	19
	60	51	8.1	0.60	0.69	4,1	15,5	1,84	15	18

SMARTANGLE 13° LOW ANGLE TRAJECTORY										
2.0LA	30	29	1.6	0.37	0.42	2,1	8,8	0,36	9	11
	40	33	1.9	0.34	0.39	2,8	10,1	0,43	9	10
	50	34	2.1	0.35	0.40	3,4	10,4	0,48	9	10
2.5LA	30	31	2.1	0.42	0.49	2,1	9,4	0,48	11	12
	40	35	2.6	0.41	0.47	2,8	10,7	0,59	10	12
	50	36	2.9	0.43	0.50	3,4	11,0	0,66	11	13
3.5LA	30	31	2.7	0.54	0.62	2,1	9,4	0,61	14	16
	40	35	3.2	0.50	0.58	2,8	10,7	0,73	13	15
	50	37	3.5	0.49	0.57	3,4	11,3	0,79	13	14
4.5LA	30	33	3.0	0.53	0.61	2,1	10,1	0,68	13	16
	40	37	3.4	0.48	0.55	2,8	11,3	0,77	12	14
	50	37	4.1	0.58	0.67	3,4	11,3	0,93	15	17

FLOW+ NOZZLES 26° TRAJECTORY										
9	50	50	9.5	0.73	0.84	3,4	15,2	2,16	19	21
	60	54	10.8	0.71	0.82	4,1	16,5	2,45	18	21
	70	55	11.7	0.74	0.86	4,8	16,8	2,66	19	22
13	50	57	12.4	0.73	0.85	3,4	17,4	2,82	19	22
	60	59	13.8	0.76	0.88	4,1	18,0	3,13	19	22
	70	61	14.9	0.77	0.89	4,8	18,6	3,38	20	23

■ Square spacing based on 50% of diameter

▲ Triangular spacing based on 50% of diameter

Note: All precipitation rates are calculated for 180° operation.  
Divide by 2 for full circle precipitation rates

# CT70

## COMMERCIAL ROTOR



### FEATURES

- 5 year trade warranty and 100% water tested
- Thick, vandal resistant rubber cover is standard; visible arrows indicate + or - arc adjustment
- Radius adjustment screw decreases radius up to 25%
- “Punch-thru” cover to protect nozzle retaining screw from debris
- Easy grip threaded cover
- 5 field changeable nozzles
- Safety clutch for vandal protection; ratchets like a sprayhead
- Part circle models adjust from 40 - 360°; no tools required
- Expanded “arc dwell” on part circle models provides full coverage along borders
- Pressure activated wiper seal and strong stainless steel spring on pop-up models to ensure positive retraction
- High-tech micro filter protects reversing mechanism
- Streamlined large flow tube to minimize pressure loss through sprinkler
- Impeller flow regulator automatically matches flow to nozzle selection
- Smooth impeller gear drive for highly uniform watering
- Large area, basket type, removable strainer for debris protection
- Standard Ready Check™ check valve on CT70 and CT70-36 models is easily reversed in the field to a “check” position. Check valve holds back 15' (4,6 m/hd) of elevated water

### CONSTRUCTION

- High-strength non-corrosive plastics and metals used throughout sprinkler
- Sealed, lubricant packed drive housing provides long life performance

### OPTIONS (FACTORY INSTALLED)

- Non-potable cover (add “N” suffix)
- Vandal cover lock (add “XV” prefix)

### ACCESSORIES

- T3ST Nozzle install collar

### DIMENSIONS

- Height (closed): 8 13/16 (22,4 cm)
- Pop-up Height: 4” (10,2 cm)
- Inlet: 1” IPS (specify ISO for international)
- Exposed Top Diameter: 1 3/4” (4,4 cm)
- International threads: add ISO suffix*

CT70 Performance						
Nozzle	Pressure PSI	Radius* ft.	Flow gpm	Metric		
				Pressure BAR	Radius* m	Flow m <sup>3</sup> /hr
71	40	49	8.1	2,8	14,9	1,84
	50	51	9.1	3,4	15,5	2,07
	60	53	10.0	4,2	16,2	2,27
	70	55	11.0	4,8	16,8	2,50
	80	56	11.8	5,5	17,0	2,68
72	50	54	10.7	3,4	16,5	2,43
	60	55	11.8	4,2	16,8	2,68
	70	57	12.6	4,8	17,4	2,86
	80	58	13.8	5,5	17,7	3,13
73	50	57	14.0	3,4	17,4	3,18
	60	58	15.3	4,2	17,7	3,48
	70	60	16.8	4,8	18,3	3,82
	80	61	17.8	5,5	18,6	4,04
74	60	59	16.6	4,2	18,0	3,77
	70	62	18.1	4,8	18,9	4,11
	80	63	19.2	5,5	19,2	4,36
	90	65	20.4	6,2	19,8	4,63
75	60	66	22.5	4,2	20,1	5,11
	70	67	24.7	4,8	20,4	5,61
	80	72	26.5	5,5	21,9	6,02
	90	74	28.0	6,2	22,6	6,36

Nozzle trajectory: 26°

\*Radius of coverage shown is for still air with no diffusion. Maximum radius reduction with diffuser screw is 25%.

Note: Performance data derived from tests that conform to ASAE Standard S398.1.

Note: see page 65 for spacing and precipitation rate formulas.

CT70 Operating Range		
		Metric
Precipitation Rate	Approx. 0.6 - 1.0” per hour @ 60 PSI	15,8 - 27 mm per hour @ 4,2 BAR
Radius	49 - 74'	14,9 - 22,6 m
Pressure	40 - 90 PSI	2,8 - 6,2 BAR
Flow	8.1 - 28.0 gpm	1,84 - 6,36 m <sup>3</sup> /h

CT70 Specifications	
CT70	Adjustable arc
CT70-36	Full circle
CT70SS	Stainless steel, adjustable arc
CT70SS-36	Stainless steel, full circle

# STATEMENT OF TRADE WARRANTY

## The Irrigation Professionals Protection Package from Weathermatic

**10 Years** 11000CR and 8200CR Series valves and S24B solenoids

**5 Years** Rotors, spray equipment, nozzles, 21000 Series valves and S20P solenoids

**3 Years** SmartWire when used with SLWIRE

**2 Years** N-100 and 12000 Series valves; SmartLine® and Valcon controller products and all other cataloged products not specifically listed, or under the 5 or 10 year extended warranties. SmartLine controllers (SL800, SL1600 Series and SL4800) and SLW weather stations are covered under warranty for lightning damage.

**1 Years** SmartWire when used without SLWIRE

All trade warranties are effective from the original date of manufacture. 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 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.







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