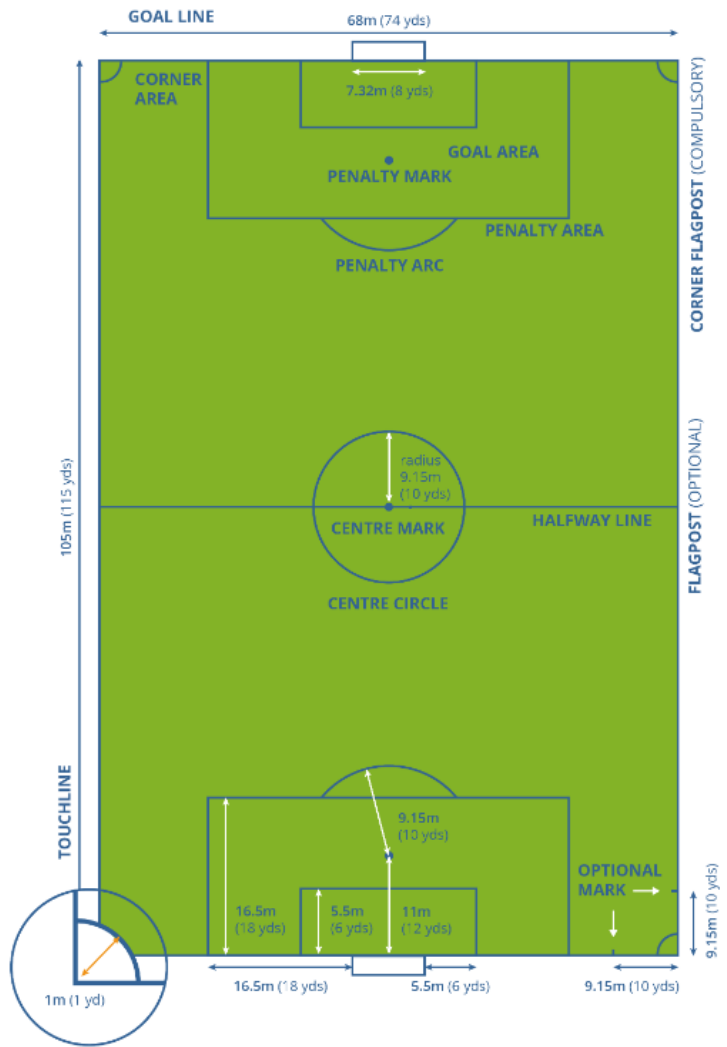


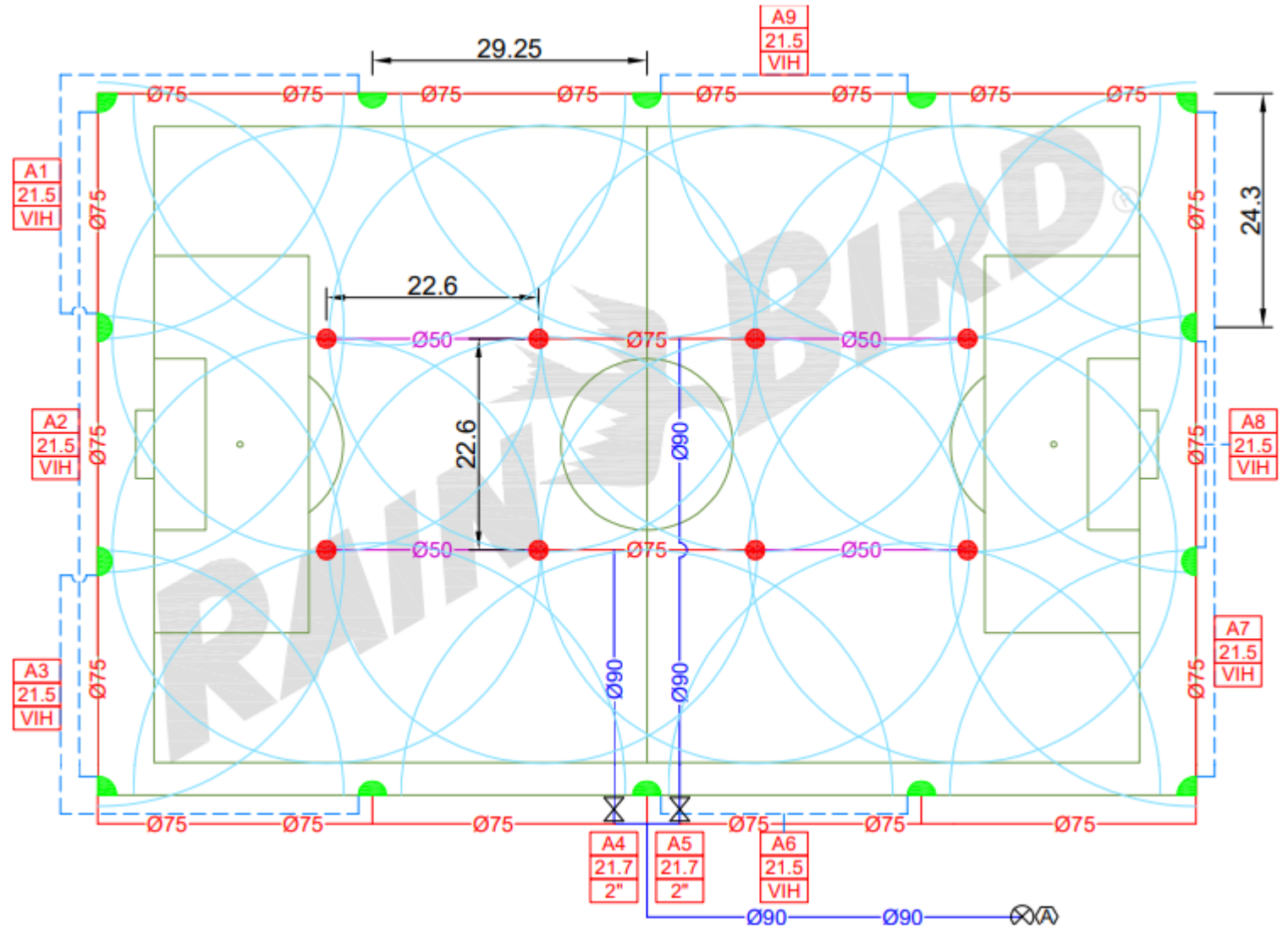


Rain Bird Sports Solutions

Rain Bird Sports Solutions



Classic Design



Rotors

11000 Series

Engineered for Sports Fields and Large Turf Applications



For more product information, please visit:

rainbird.com/products/11000-series

The Rain Bird 11000 Rotor is designed for use on sports fields and large turf applications. Providing excellent distribution uniformity over a full 32 m radius, this rotor is ideal for sports fields & reduces the number of heads required.

Proven Performance – Born from golf but optimized for sports fields; the 11000 Series Rotor brings 35+ years of dependable performance into the stadium.

Top Serviceability – Smaller footprint, snap ring design for quick access to serviceable components

Sustainability – Irrigate a field 25% larger with 40% fewer rotors

Optional opposing nozzle available

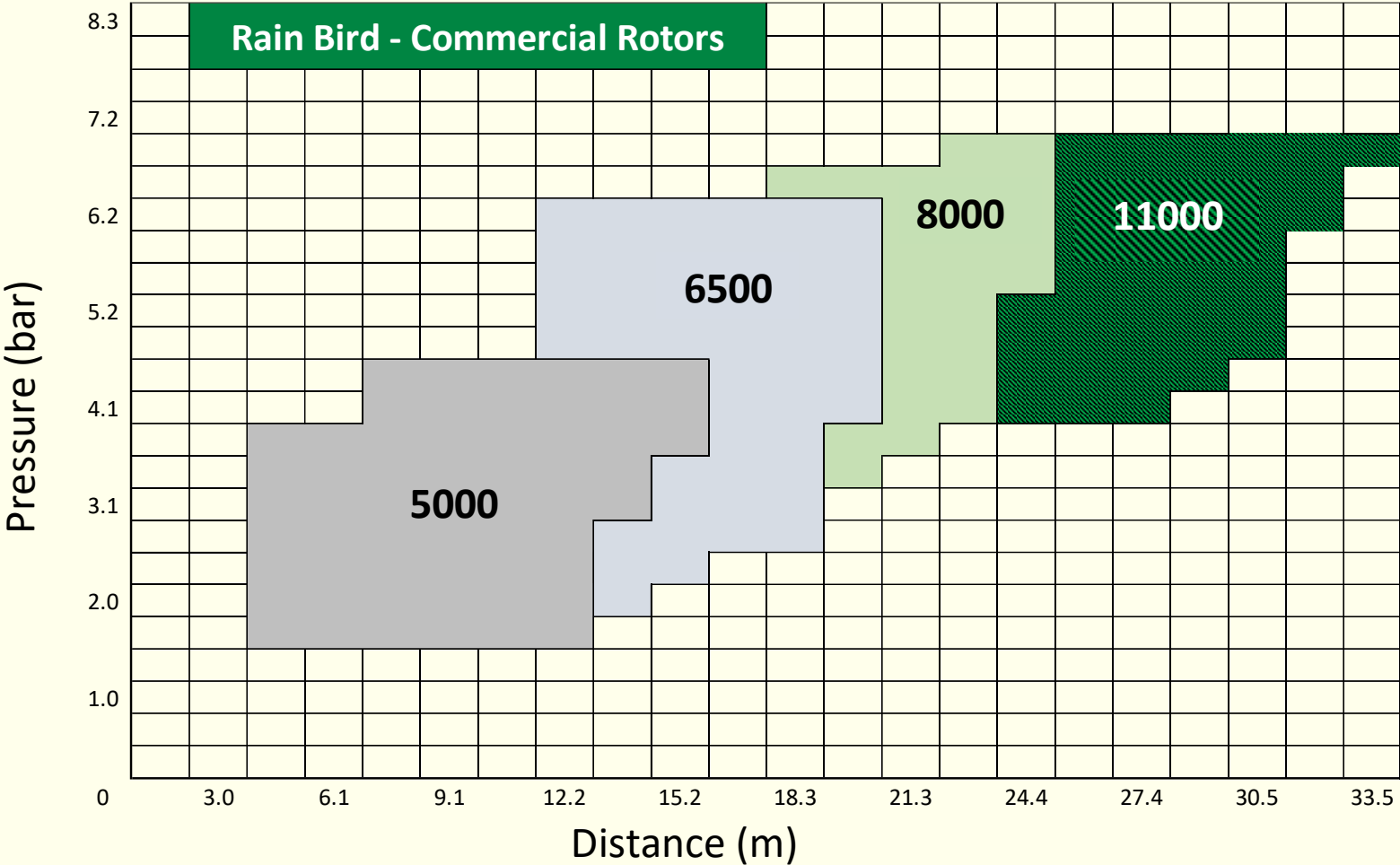
11000 Series - Nozzle Performance (Metric)

Pressure (Bar)	Color Identifier	Nozzle	Radius (m)	Flow (m3/h)	Flow (l/m)	Precip (mm/h)	Precip (mm/h)	ON Radius (m)	ON Total Flow (m3/h)	ON Total Flow (l/m)
4.1	Blue	44	21.3	4.6	76.5	22.66	26.16			
	Yellow	48	22.6	6.3	104.5	27.31	31.53			
	Orange	52	23.8	7.3	121.9	30.15	34.82			
	Green	56	25.0	8.1	135.1	31.19	36.02			
	Black	60	26.2	8.9	148.4	32.72	37.78			
	Red	64	27.4	9.8	162.8	33.43	38.60			
4.8	Blue	44	22.3	4.8	80.6	24.21	27.95	15.8	5.7	95.6
	Yellow	48	23.5	6.8	112.8	26.70	30.83	15.2	7.6	127.8
	Orange	52	24.7	7.8	130.6	28.42	32.82	15.2	8.9	148.6
	Green	56	25.9	8.8	146.5	29.97	34.61	15.2	9.4	156.1
	Black	60	27.4	9.7	160.9	31.88	36.81	14.8	10.6	175.3
	Red	64	28.7	10.5	175.3	32.21	37.19	15.0	11.4	188.5
5.5	Blue	44	22.9	5.2	86.3	23.39	27.01	15.6	6.3	105.5
	Yellow	48	24.4	7.2	120.0	26.49	30.59	15.2	8.1	135.0
	Orange	52	25.6	8.3	138.2	28.24	32.62	15.2	9.5	158.0
	Green	56	27.1	9.4	156.7	29.39	33.94	15.2	10.1	169.3
	Black	60	25.3	10.3	171.5	31.19	36.02	15.0	11.3	188.3
	Red	64	29.9	11.4	189.3	29.51	34.08	15.2	11.9	198.3
6.2	Blue	44	23.8	5.5	92.0	23.39	27.01			
	Yellow	48	25.0	7.6	126.8	26.59	30.71			
	Orange	52	26.5	8.9	148.0	27.25	31.47			
	Green	56	28.0	9.9	164.7	28.27	32.64			
	Black	60	29.6	10.9	181.3	29.51	34.08			
	Red	64	30.8	12.1	201.4	30.99	35.78			
6.9	Blue	44	24.4	5.8	96.5	23.77	27.45			
	Yellow	48	25.9	8.1	134.8	26.47	30.56			
	Orange	52	27.4	9.2	153.3	27.69	31.97			
	Green	56	29.0	10.4	174.1	26.87	31.03			
	Black	60	30.5	11.5	191.2	27.94	32.26			
	Red	64	32.0	12.7	211.6	30.81	35.58			



11000 Series – Sport Rotor

- Distance vs Pressure

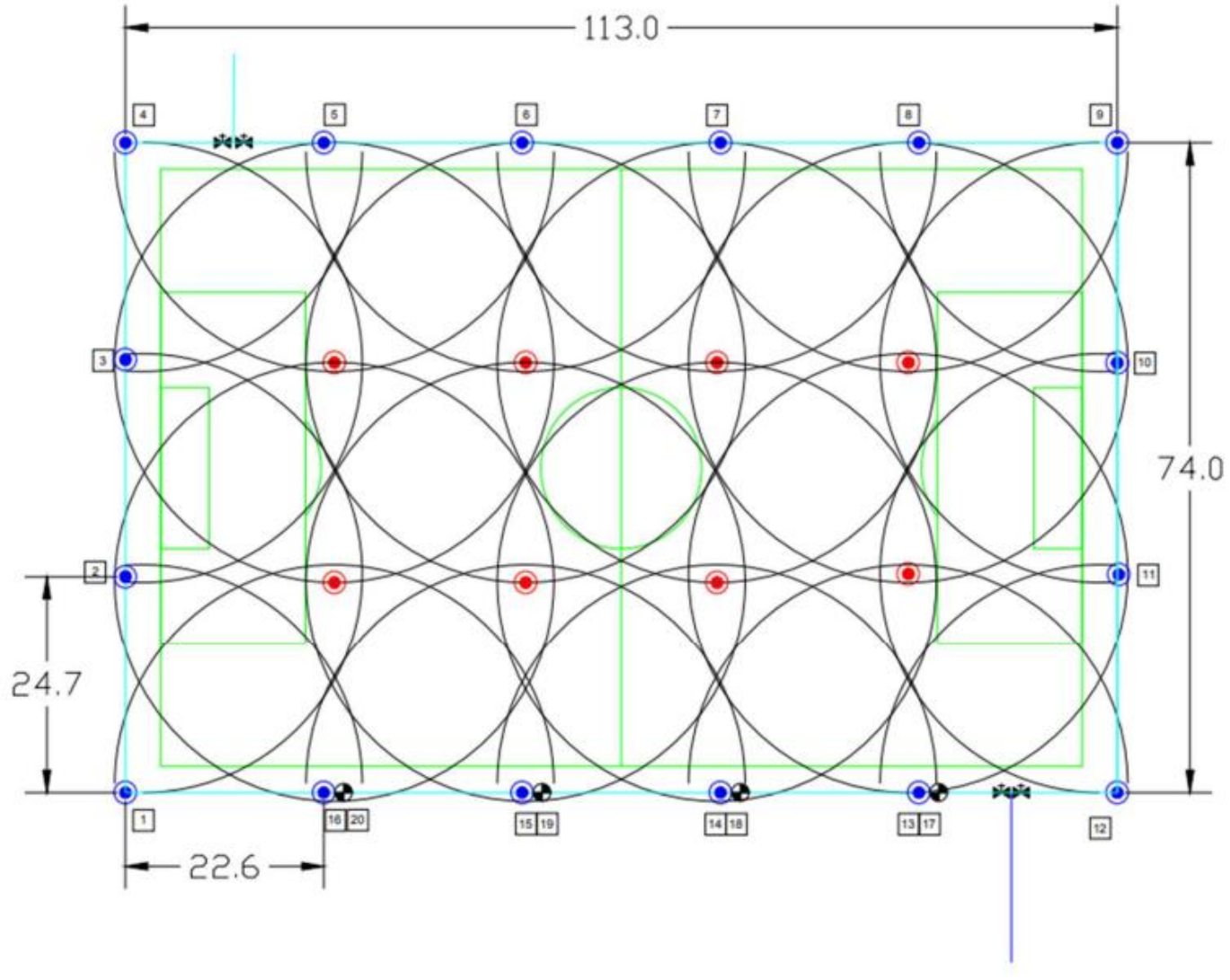




New Design

11000 Series
Infield

& 952
Perimeter



Design Assumptions

- Maximum water requirement per day 6mm
- Pitch minimum FIFA requirements
- Pitch area 105 x 68
- Minimum runoff 3m on the sides 4m on the ends
- Irrigated area 113 x 74m
- Maximum water requirement 50m³
- Pitch design based on 24 sprinklers of spacing 22.6 x 24.7m.
- Sprinkler radius will be derated for wind by 5%.
- Thus the minimum performance requirement for each sprinkler is 23 x 25.2m
- Perimeter Heads Rainbird 952 – radius 26.5m @5.5bar with a flow rate of 155lpm
- Infield Heads Rainbird 11,000 with sod cup- Radius 25.9m @4.8 bar flow rate 147lpm
- Infield heads run in pairs using a 2” Rainbird PGA valve.
- Pipe from the pumphouse to the pitch 90mm 10 bar PE100 inside diameter 79.2mm.
- All pipework 63mm PE100 10 bar inside diameter 55.4mm
- Worst case friction loss end of line infield Sprinkler at 1.1bar.
- Pipe velocity below 1.53m/s for mains and 2.14m/s for laterals
- Pump set minimum requirement 7.5 bar @ 19.5m³/hour

Schedule

Station Schedule													
	flow rate	Pressure	Spacing		Arc		Precipitation	total flow	Total Flow	Application	Runtime	Runtime	Water consumption
station No.	lpm	bar	L	B	degrees	Quantity	mm/hr	M3/Hour	lpm	mm	Mins	mm:ss	litres
1	155	5.5	22.6	24.7	90	1	66.64	9.30	155	6	5.40	05:24	837
2	155	5.5	22.6	24.7	180	1	33.32	9.30	155	6	10.80	10:48	1675
3	155	5.5	22.6	24.7	180	1	33.32	9.30	155	6	10.80	10:48	1675
4	155	5.5	22.6	24.7	90	1	66.64	9.30	155	6	5.40	05:24	837
5	155	5.5	22.6	24.7	180	1	33.32	9.30	155	6	10.80	10:48	1675
6	155	5.5	22.6	24.7	180	1	33.32	9.30	155	6	10.80	10:48	1675
7	155	5.5	22.6	24.7	180	1	33.32	9.30	155	6	10.80	10:48	1675
8	155	5.5	22.6	24.7	180	1	33.32	9.30	155	6	10.80	10:48	1675
9	155	5.5	22.6	24.7	90	1	66.64	9.30	155	6	5.40	05:24	837
10	155	5.5	22.6	24.7	180	1	33.32	9.30	155	6	10.80	10:48	1675
11	155	5.5	22.6	24.7	180	1	33.32	9.30	155	6	10.80	10:48	1675
12	155	5.5	22.6	24.7	90	1	66.64	9.30	155	6	5.40	05:24	837
13	155	5.5	22.6	24.7	180	1	33.32	9.30	155	6	10.80	10:48	1675
14	155	5.5	22.6	24.7	180	1	33.32	9.30	155	6	10.80	10:48	1675
15	155	5.5	22.6	24.7	180	1	33.32	9.30	155	6	10.80	10:48	1675
16	155	5.5	22.6	24.7	180	1	33.32	9.30	155	6	10.80	10:48	1675
17	147	4.8	22.6	24.7	360	2	15.80	17.64	294	6	22.78	22:47	6699
18	147	4.8	22.6	24.7	360	2	15.80	17.64	294	6	22.78	22:47	6699
19	147	4.8	22.6	24.7	360	2	15.80	17.64	294	6	22.78	22:47	6699
20	147	4.8	22.6	24.7	360	2	15.80	17.64	294	6	22.78	22:47	6699
Total											242.40		50240



ESP-LXME2/Pro

Next Generation in Control for Traditionally Wired Irrigation Systems



The popular Rain Bird LXME Series commercial controllers have been upgraded now offering 40 programs, a large backlit LCD screen, and simplified programming.

Modular Design - station capacity from 12 to 48 stations

Scheduling Flexibility - 40 programs & 10 start-times

Remote Accessibility - IQ & LNK2 Wi-Fi Module support for Apple IOS (*Android Coming Soon*)

Advanced Flow Management - FloWatch™, FloManager™, SimulStations™, Cycle+Soak™, and more.

Simplified User Interface – Large backlit display, easy language changes, Info button

For more product information, please visit:

rainbird.com/products/esp-lxme2-esp-lxme2-pro-modular-controllers

ESP-LXME Upgrade to LXME2 Series

LXME to LXME2



Front Panel Swap



LXME2FP

LXME to LXME2 PRO

- Flow sensing
- 2nd booster pump



Front Panel and Module Swap



LXME2FP
PSMLXME2

LXMEF to LXME2 PRO

- Flow sensing
- 2nd booster pump



Front Panel and Module Swap



LXME2FP
PSMLXME2

*NOTE: The LXME2 is only compatible with 12-station modules (ESPLXMSM12).
All 8-station modules must be changed at the time of upgrade.*

ESP-LXIVM (PRO)

2-Wire Controller with Smart Valve Technology



Our most advanced irrigation controller offers fast and error-free installation, world-class diagnostics, and an updated version of the Industry's favorite programming interface.

Advanced flow management tools

Integrated Valve Module (IVM) – Solenoid and decoder are combined, resulting in money and time savings at install

Remote Accessibility - IQ & LNK2 Wi-Fi Module support for Apple IOS (*Android Coming Soon*)

Advanced diagnostics – Stays in constant communication with the controller to provide efficient irrigation, resulting in money, time, & water savings for customers

Simplified user interface – Large backlit display, easy language changes, Info button

For more product information, please visit:

rainbird.com/products/esp-lxivm-2-wire-controller-smart-valve-technology

ESP-LXIVM/P (Pro)

LXIVM

*Our Most Advanced
Two-Wire System*



ESP-LXIVM/P (Pro)

IVM-SOL

Solenoid & Smart Module in one!

Can use on Rain Bird Commercial & DV Valves



IVM-SEN

Use with weather and flow sensors



IVM-OUT

Use with third party valves

Need latching solenoids



IVM-Valves

PEB, PESB, PGA available with pre-installed IVM-SOL



Pump Start Solutions

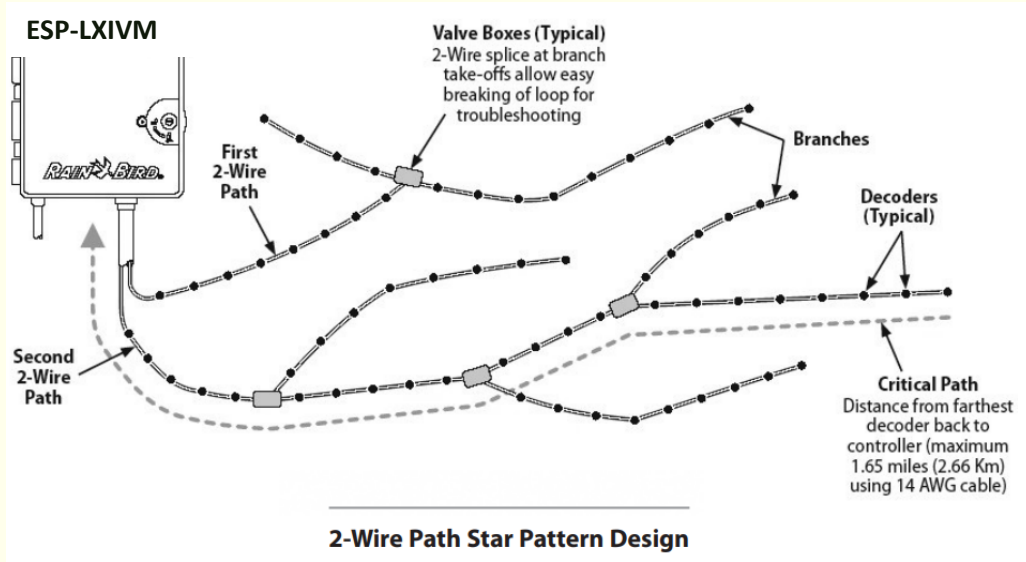
IVM-SD

Surge Protection

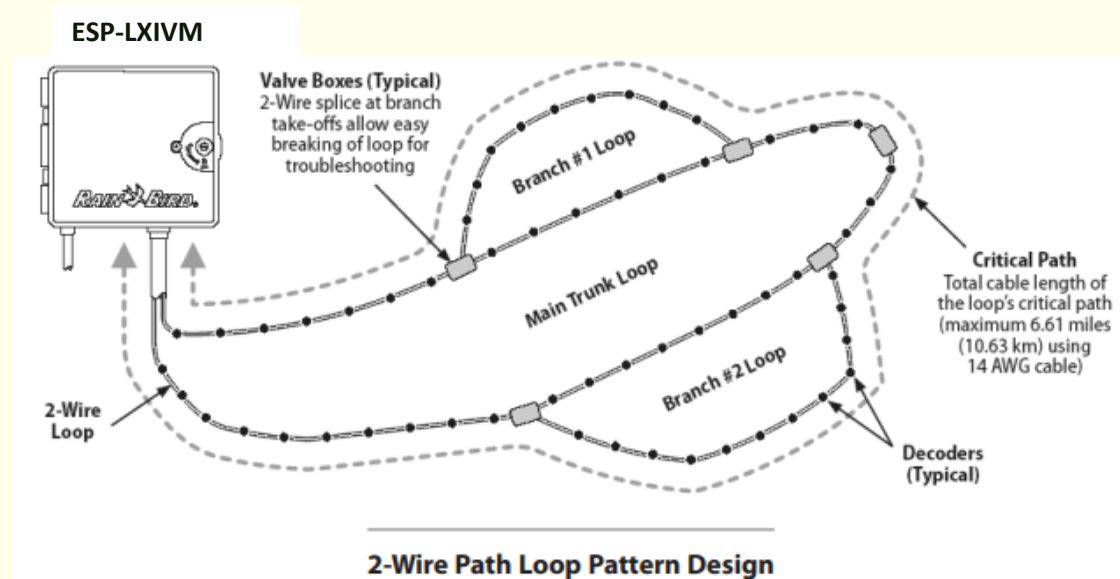
Install every 500' or 15 field devices.



ESP-LXIVM/P (Pro)



Key Specifications		
Feature	LX-IVM	LX-IVM Pro
Max Programs	10	40
Stations	60	240
Max Simulstations	8	16 (plus active MV)
Master Valves	5	10
Flow sensors	5	10
Weather sensors	4	8 (including 1 Local)



IVM Valves

Rain Bird's PGA Series valves are now available with the Integrated Valve Module "smart solenoid" (IVM-SOL) preinstalled. Pair any of our new IVM Smart Valves with the ESP-LXIVM Two-Wire controller to eliminate decoders, reduce system cost, and improve reliability today.

Best-in-Class Valves - With industry-leading reliability and performance, the Rain Bird series of commercial valves are now even better with preinstalled IVM-SOL

Next Generation Two-Wire System that is the next leap forward—simplifying installation, improving reliability & enabling more troubleshooting features that save time

Performance and Reliability - With 50% fewer connections, an IVM Smart Valve is already 200% more reliable out of the box versus using a valve and decoder

IVM-SOL - **provides two-way communication** between the valve and controller to provide **advanced diagnostic capability** and **faster response time**

PGA IVM Valves



For more product information please visit:

PGA-IVM: rainbird.com/products/pga-ivm-series

The Rain Bird logo, featuring the words "RAIN" and "BIRD" in a bold, sans-serif font, with a stylized bird icon between them. The background of the entire slide is a photograph of a man in a dark polo shirt and jeans standing on a green lawn in a large stadium, looking at his phone. Water is being sprayed from a nozzle in the foreground, creating a misty effect. The stadium seating is visible in the background, with various advertisements on the walls, including "coles", "REPORT ANTISOCIAL BEHAVIOUR", "TEXT: 0409 117 621", "W H PONSFORD STAND 2004", "9mile", "PEPPERJACK", "FOUR TWENTY", "CORROSION", "Giant", and "SECURECORP".

Remote Management (Central Control)

LNK2

Upgrade to Smart Control



For more product information, please visit:
rainbird.com/products/lnk2-enhanced-control

Smart and Responsible – yards receive only the water it needs while saving up to 50% in water. Simply plug the LNK2 WiFi Module and start managing the irrigation from anywhere, anytime from a mobile device!

Manage watering from anywhere in the world with our **FREE App**

Enjoy healthy and beautiful landscape while lowering their water bill with **automated scheduling; Seasonal Adjust; Rain Delay; Tailored Alerts** and more

Access can be shared for added peace of mind.

Bluetooth provisioning and new components provide **faster connectivity to the controller**

Now also compatible with LXME2 and ESP-LXIVM series controllers! (iOS App only-Android compatibility coming soon)

IQ4 & Communication Cartridges

The IQ4 Platform offers state-of-the-art command and control features in a streamlined use interface. IQ4 provides advanced water management features saving money and time.



Currently compatible with all ESP-LX Series Controllers...

Two different communication options – Cellular and Ethernet

Expandible – Offer secondary communication options

As simple or powerful as the user needs or wants – ET-based scheduling, automated reporting, PIN Code access, etc.

For more product information, please visit:

<https://www.rainbird.com/products/iq4>

IQ4 Recent Enhancements

The IQ4 Platform offers state-of-the-art command and control features in a streamlined user interface. IQ4 provides advanced water management features saving money and time. IQ4 is available at iq4.rainbird.com.

Features Released in 2023

- Dynamic and Interactive Mapping
- Program Column View
- Automatic Firmware Updates
- Snapshot + Restore Data
- User Site Assignments Export
- Rain Delays – Shows Date When Program Will Resume
- Easy to use Station Adjust Percentage
- Advanced (MAD) ET Adjustment
- Individual flow rates on Multi-Flow-Sensor Controllers
- Scheduled Reports available in PDF format
- Customized Login Landing page
- Scheduled Reverse Synchronization

UFS Ultrasonic Flow Sensors

Range, Accuracy, and No Straight Pipe Requirements



2022 NEW PRODUCT CONTEST Winner Irrigation Association

For more product information, please visit:
rainbird.com/products/ultrasonic-series-flow-sensors

Rain Bird's Ultrasonic Series Flow Sensors (UFS) represent the best in flow sensing technology for irrigation, sending flow data to central control or stand-alone controller systems for precise and accurate flow monitoring.

No Straight-Pipe Requirements

Wide Flow Ranges

1" = 0.3-50gpm **1.5"** = 0.5-110gpm **2"** = 1.0-200gpm

No moving parts for greater reliability and allowing blowout for winterization with the sensor installed

On-board LED Lights indicating power, full pipe status, relative forward flow rate, and reverse flow

VB Series

Professional grade. Excellent value.



For more product information, please visit:

rainbird.com/products/vb-series-valve-boxes

Work faster and easier with a Rain Bird Valve Box. We've created unique knock-outs for easy pipe placement and reduced installation time – so no more tedious cutting.

Strength and Stability - Designed with corrugated sides and wide flange bases for maximum durability, compression strength and stability

Smart Lid Design - No holes to keep out pests, beveled edges to minimize damage from turf equipment, and for easy hand and shovel access

Flexible Installations - Interlocking stacking capabilities, extension models and pipe hole knockouts support deeper and flexible installations

All Rain Bird Valve Box purchases qualify for **valuable Rain Bird Rewards points**

Thank you!