

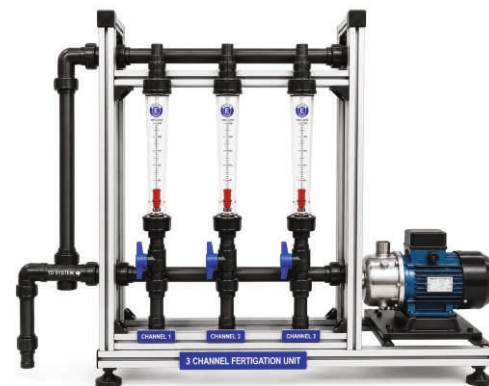


# AMANORA

Smart Irrigation System

4

## Pump Fertigation System



Fertigation is the process of supplying water-soluble fertilizers through an irrigation system, delivering precise amounts of water and nutrients directly to the plant root zone for improved growth, higher yields, and efficient resource utilization.



2" Valve



2.5" Valve



PR Valve

### Suitable for



Green Houses



Agricultural  
Farms



Landscaping



Horticulture



Nurseries

### Get In Touch !

92800 94743 / 92800 94745  
92800 94760

sales@amanorasolutions.com

www.amanorasolutions.com

## AMANORA

Smart Water Automation

No.49-A, Ambika Layout, New Siddhapudur,  
Siddhapudur,Coimbatore South, Coimbatore - 641044.



# AMANORA

Smart Irrigation System

MAKE IN  
INDIA



## Smart Irrigation.

## Better Yield.

## Greater Savings.

**IRRIBOSS** by Amanora is an advanced drip irrigation automation solution designed to deliver precise and efficient irrigation management. Combined with automatic irrigation valves, it automates irrigation schedules and water distribution, helping farmers to save water, reduce labour requirements, and improve crop productivity.

Using modern automation technology, IRRIBOSS optimizes irrigation practices, minimizes water wastage, and promotes healthier crop growth through precise and controlled water delivery.



### Higher Yield

Uniform irrigation promotes healthier crops and improved productivity.



### Cost Effective

Reduces labor, energy and maintenance costs.



### Smart Automation

Time- and flow-based irrigation with fully automatic operation.



+91 9280 094743



www.amanorasolutions.com



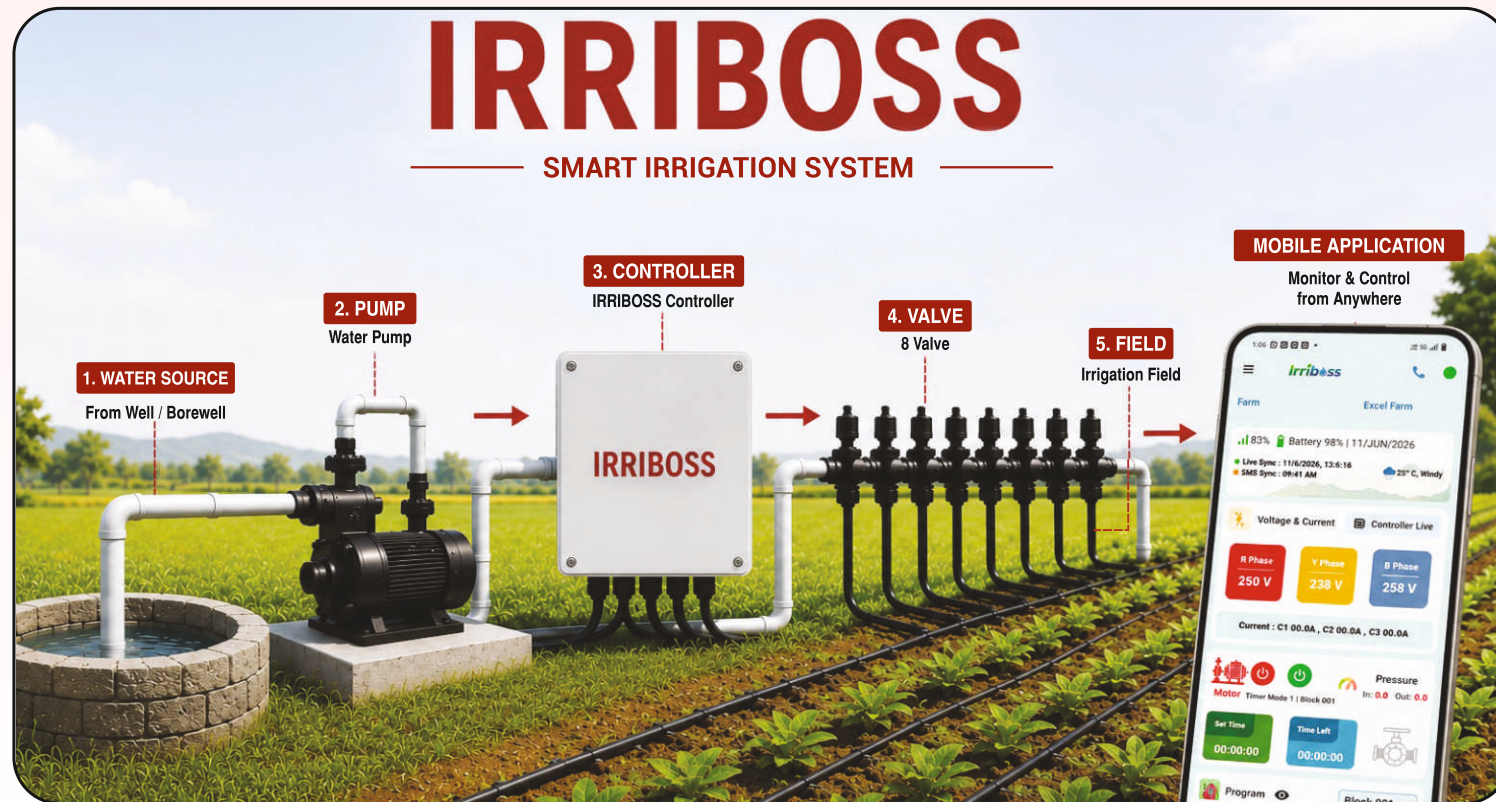
sales@amanorasolutions.com



# AMANORA

Smart Irrigation System

2



## Irriboss Models

| Model                      | Description                             |
|----------------------------|-----------------------------------------|
| IRRIBOSS 8R - GSM          | 8-Valve Controller (GSM Based)          |
| IRRIBOSS 8R - GSM + Wi-Fi  | 8-Valve Controller (GSM + Wi-Fi Based)  |
| IRRIBOSS 16R - GSM         | 16-Valve Controller (GSM Based)         |
| IRRIBOSS 16R - GSM + Wi-Fi | 16-Valve Controller (GSM + Wi-Fi Based) |

## Key Features

- ✓ GSM-Based Remote Operation
- ✓ Multi-Zone Irrigation Control
- ✓ Automatic Valve Management
- ✓ Water-Saving Automation
- ✓ Improves Crop Yield
- ✓ Reduces Labour Requirements
- ✓ Dry-Run Protection and High-/Low-Voltage Protection
- ✓ Supports up to 4 Irrigation Programs



# AMANORA

Smart Irrigation System

3

## Technical Specifications

| Parameter             | Specification                                               |
|-----------------------|-------------------------------------------------------------|
| Supply Voltage        | 440 V                                                       |
| Power Consumption     | < 15 W                                                      |
| Digital Inputs        | 1 (Water Meter)<br>1 (Pressure Switch)<br>2 ( Float Switch) |
| Analog Inputs         | 2 (4-20mA)                                                  |
| Communication         | GSM / Wi-Fi                                                 |
| Wired Communication   | CAN protocol                                                |
| Data Storage          | Cloud                                                       |
| Operating Temperature | 0°C to 60°C                                                 |
| Mounting              | Wall Mount                                                  |
| Max. Valves Supported | Expandable up to 64 Valves<br>Both Wired & Wireless         |
| Irrigation Programs   | 4                                                           |
| Fertigation Programs  | 4                                                           |

## Valve Feature

|                 |                    |
|-----------------|--------------------|
| Size            | 2" and 2.5"        |
| Connection      | BSP Threaded       |
| Pressure Rating | 10 Bar             |
| Body            | Glass Filled Nylon |
| Application     | Agriculture        |



## HEADLOSS CHART

| Technical Specification |                    |        |       |
|-------------------------|--------------------|--------|-------|
| Valve Size              | mm                 | 50 mm  | 60 mm |
|                         | Inch               | 2"     | 2.5"  |
|                         | LWH (Inch)         | 6×6×6  | 9×6×5 |
| Minimum Flow Rate       | m <sup>3</sup> /hr | >1     |       |
| Pressure Range          | bar                | 0.5-10 |       |
| Flow Rate @0.3 Bar      | m <sup>3</sup> /hr | 26     | 32    |
| Flow Rate Factor        | Kv (metric)        | 56     | 65    |

Maximum Operating Temperature: 60°C (140°F)

