

SUMISANSUI - MARK II & MARK III



A high quality and durable irrigation system that sprays water in a rectangular pattern instead of circles like traditional sprinklers. It helps to promote even crop growth and reduce plant stress with a lightweight and easy to install design. Ideal for vegetables, flowers, and row crops, the M-Series is a cost-effective option for market gardens.

Made in Japan and trusted by farmers worldwide.

Low Pressure and Low Flow Requirements



Mark 2 Specs:

- Operating Pressure | **3 psi to 12 psi MAX**
- Flow Rate | **0.018-0.036 Gallon/Minute/Foot**
- Tube Length | **25 to 328 ft**
- Spray Width | **6.5 ft to 13 ft** - adjustable based on pressure
- High Spray Angle | **60°** - to clear taller crops
- Laser cut holes ensure uniformity
- Easily integrates with Drip Tape systems and Timers
- Mobile system can easily be moved around the field

Why Farmers Choose Sumisansui

Efficiency: No dry spots or overlapping wet areas as with circular sprinklers

Good Fit: Rectangular coverage area matches the layout of most farms and gardens

Low Pressure/Low Flow: Integrates well with any irrigation system including drip tape

Winder + Bobbin: Allows user to quickly deploy and move the irrigation system

Gentle Rain: Fine spray of water won't wash away seeds, crust soil, or damage plants

Effective: Soft enough that water soaks in properly instead of running off

Durability: Tubes are made from heavy duty polyethylene and will last many seasons

Mark 3 Specs:

- Operating Pressure | **6 psi to 12 psi MAX**
- Flow Rate | **0.030-0.044 Gallon/Minute/Foot**
- Tube Length | **25 to 328 ft**
- Spray Width | **15 ft to 16 ft** - adjustable based on pressure
- Spray Angle | **45°** - increases width & wind resistance
- Laser cut holes ensure uniformity
- Easily integrates with Drip Tape systems and Timers
- Mobile system can easily be moved around the field

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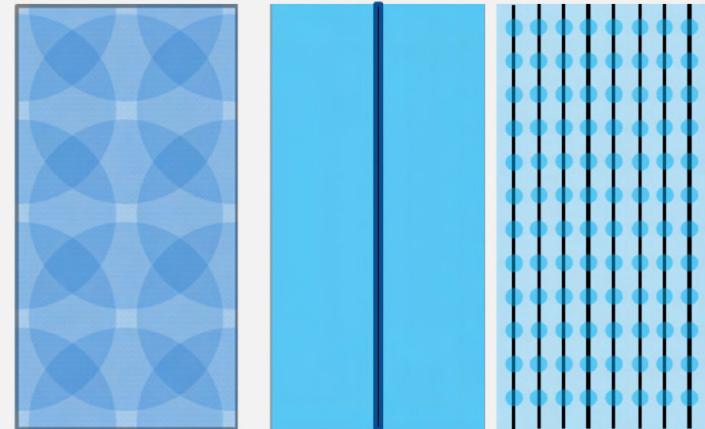
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Perfect for Different Types of Growing

- Gentle spray won't wash out tiny seeds like carrots or lettuce
- Even moisture helps improve germination
- Keep seeds moist during critical growth stages
- Very useful tool for greenhouse growing
- Reduces shock to newly planted seedlings
- Helps plants establish faster
- Reduce plant losses from drying out
- Easy to move between different areas
- No permanent pipes to work around
- Great for salad greens and microgreens
- Cooling greenhouses during intense summer weather
- Keep compost windrows at the proper moisture level
- Water shiitake mushroom logs and other outdoor mushroom projects

Difference of Water distribution between irrigation systems



Sprinkler

SUMISANSUI

Drip

Mark 2	MAX	MIN	Units
Operation Pressure	12	3	PSI
Coverage Width	13	6.5	feet
Recommended Tube Interval	10.5	5.25	feet
Average Precipitation Rate	0.2	0.19	in/hr
Average Flow Rate	0.036	0.018	G/min/ft
Flow Rate at 25 ft	0.03865	0.01852	G/min/ft
Flow Rate at 50 ft	0.03865	0.01852	G/min/ft
Flow Rate at 75 ft	0.03775	0.01852	G/min/ft
Flow Rate at 100 ft	0.03725	0.01852	G/min/ft
Flow Rate at 150 ft	0.03675	0.01812	G/min/ft
Flow Rate at 328 ft	0.03302	0.01691	G/min/ft

Mark 3	MAX	MIN	Units
Operation Pressure	12	6	PSI
Coverage Width	16	15.75	feet
Recommended Tube Interval	13	13	Feet
Average Precipitation Rate	0.26	0.23	in/hr
Average Flow Rate	0.04429	0.0306	G/min/ft
Flow Rate at 25 ft	0.04751	0.03302	G/min/ft
Flow Rate at 50 ft	0.04751	0.03302	G/min/ft
Flow Rate at 75 ft	0.04751	0.03275	G/min/ft
Flow Rate at 100 ft	0.04751	0.0324	G/min/ft
Flow Rate at 150 ft	0.046	0.0318	G/min/ft
Flow Rate at 328 ft	0.04	0.02738	G/min/ft

Mark 2 - Flow Volume

Tube Length	12 psi	3 psi	Units
25 feet	0.97	0.46	GPM
50 feet	1.93	0.93	GPM
75 feet	2.83	1.39	GPM
100 feet	3.73	1.85	GPM
150 feet	5.51	2.72	GPM
328 feet	10.83	5.55	GPM

Mark 3 - Flow Volume

Tube Length	12 psi	3 psi	Units
25 feet	1.19	0.83	GPM
50 feet	2.38	1.65	GPM
75 feet	3.56	2.46	GPM
100 feet	4.75	3.24	GPM
150 feet	6.9	4.77	GPM
328 feet	13.12	8.98	GPM