

# JI - 3 Sprinkler



Germination Irrigation



Irrigation Full Coverage



Pasture Irrigation



Field Crops



Dust Suppression



Heap Leaching



Crop Coloring

## Features & Benefits



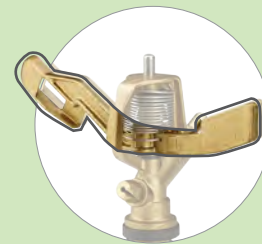
### Special Sprinkler With 30° Trajectory

Special high trajectory sprinkler for uniform and longer application.



### Heavy Duty Retraction Spring

Stainless steel retraction spring maintains uniform rotation speed



### Innovative Swing Arm

Well balanced swing arm ensures smooth and uniform rotation



### Stainless Steel Spindle, Fulcrum Pin

Stainless steel spindle, fulcrum pin for improving life of sprinkler



### Hydrodynamically Designed Nozzles

Brass nozzles with hydrodynamically designed inner profile for precise jet and longer radius of throw



### Equipped With Quality Washers

Special washers used to give uniform & hassle free rotation along with leakage prevention

# JI - 3

## Additional Features

- Full circle impact sprinkler.
- Corrosion proof I-beam construction for added strength.
- Easy to install and maintain.
- Uniform precipitation rate.
- Each batch is tested for stringent quality parameters.

## Application

- Suitable for field crops like pulses, oil seeds, vegetables, sugarcane, cotton, cereals, tea, coffee and fodder crops..

## Specification

- Discharge: 32 to 65.6 lpm
- Wetted Radius: 15 to 17 m
- Operating Pressure: 2.5 to 5 Kg/cm<sup>2</sup>
- Inlet Connection: 3/4" male Threaded
- Usability: Quick Connect Assembly

## Technical Specifications

### Dual Nozzle (Trajectory 30°)

Precipitation rates (mm/hr) & uniformity (CU) at various spacing

Nozzle (mm)	P (Kg/cm <sup>2</sup> )	Q (lpm)	D (m)	Spacing (m)															
				12x12	14x14	18x12	15 x15	18x13	18x14	16x16	18x15	18x16	18x18	19x19	20x20	21x21			
5.0 x 3.1	2.5	32.5	30	13.6	10.0	9.0	8.7	8.4	7.8	7.6	7.2	6.8	6.0	5.4					
	3.0	36.6	30	15.3	11.2	10.2	9.8	9.4	8.7	8.6	8.1	7.6	6.8	6.1	5.5				
	3.5	39.7	30	16.6	12.2	11.0	10.6	10.2	9.5	9.3	8.8	8.3	7.4	6.6	6.0	5.4			
	4.0	42.8	30	17.9	13.1	11.9	11.4	11.0	10.2	10.1	9.5	8.9	7.9	7.1	6.4	5.8			
	4.5	44.4	30	18.5	13.6	12.3	11.8	11.4	10.6	10.4	9.9	9.3	8.2	7.4	6.7	6.0			
5.5 x 3.1	2.5	37.9	32	15.8	11.6	10.5	10.1	9.7	9.0	8.9	8.4	7.9	7.0	6.3	5.7	5.2			
	3.0	41.5	30	17.3	12.7	11.6	11.1	10.7	9.9	9.7	9.2	8.7	7.7	6.9	6.2	5.7			
	3.5	44.8	30	18.7	13.7	12.5	12.0	11.5	10.7	10.5	10.0	9.3	8.3	7.5	6.7	6.1			
	4.0	47.8	32	19.9	14.7	13.3	12.8	12.3	11.4	11.2	10.6	10.0	8.9	8.0	7.2	6.5			
	4.5	48.9	30	20.4	15.0	13.6	13.0	12.5	11.6	11.5	10.9	10.2	9.1	8.1	7.3	6.7			
6.0 x 3.1	2.5	41.7	32	17.4	12.8	11.6	11.1	10.7	9.9	9.8	9.3	8.7	7.7	6.9	6.3	5.7			
	3.0	45.8	32	19.1	14.0	12.7	12.2	11.8	10.9	10.8	10.2	9.6	8.5	7.6	6.9	6.2			
	3.5	49.9	32	20.8	15.3	13.9	13.3	12.8	11.9	11.7	11.1	10.4	9.2	8.3	7.5	6.8			
	4.0	52.6	32	21.9	16.1	14.6	14.0	13.5	12.5	12.3	11.7	11.0	9.7	8.8	7.9	7.2			
	4.5	55.9	32	23.3	17.1	15.5	14.9	14.3	13.3	13.1	12.4	11.7	10.4	9.3	8.4	7.6			
6.5 x 3.1	2.5	46.2	32	19.3	14.2	12.9	12.3	11.9	11.0	10.8	10.3	9.6	8.6	7.7	6.9	6.3			
	3.0	50.5	34	21.0	15.5	14.0	13.5	13.0	12.0	11.8	11.2	10.5	9.4	8.4	7.6	6.9			
	3.5	55.6	32	23.2	17.0	15.4	14.8	14.3	13.2	13.0	12.4	11.6	10.3	9.2	8.3	7.6			
	4.0	59.1	32	24.6	18.1	16.4	15.8	15.2	14.1	13.8	13.1	12.3	10.9	9.8	8.9	8.0			
	4.5	62.1	32	25.9	19.0	17.2	16.5	15.9	14.8	14.5	13.8	12.9	11.5	10.3	9.3	8.4			
5.0	65.6	34	27.4	20.1	18.2	17.5	16.8	15.6	15.4	14.6	13.7	12.2	10.9	9.8	8.9				

Note:

- Sprinklers are tested under standard test conditions. - P= Pressure; Q= Discharge; D = Diameter

- Colour code - Distribution uniformity

CU < 85%	CU = 85-88%	CU = 88-92%	CU > 92%
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## Ordering Specifications

JI3D	XXXX	XXX	X
	Nozzle size (mm x mm)	Inlet Size (inch)	Type of inlet
	5.0 mm x 3.1 mm - 5031	3/4" - 034	Male - M
	5.5 mm x 3.1 mm - 5531		
	6.0 mm x 3.1 mm - 6031		
	6.5 mm x 3.1 mm - 6531		

Example: JI3D5031034M - This code represents JI 3 Sprinkler - full circle having nozzle size 5.0 x 3.1 mm.

## JI-3 Sprinkler Assembly

