

# Jl - 2 Sprinkler



Germination Irrigation



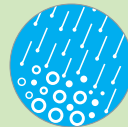
Irrigation Full Coverage



Pasture Irrigation



Field Crops



Dust Suppression



Heap Leaching



Cleaning & Cooling

## Features & Benefits



### Red Cap for Protection of SS Spring

Plastic protection cap protects the spring from sand frost gives longer life to sprinkler



### 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

Hydrodynamically designed brass nozzles with 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 - 2

## 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: 17.23 to 46.57 lpm
- Wetted Radius: 13 to 15 m
- Operating Pressure: 2 to 4 Kg/cm<sup>2</sup>
- Inlet Connection: 3/4" male Threaded
- Usability: Quick Connect Assembly

## Technical Specifications

### Single Nozzle

(Trajectory 25°)

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

Nozzle (mm)	P (Kg/cm <sup>2</sup> )	Q (lpm)	D (m)	Spacing (m)							
				12x8	12x9	12x10	12x11	12x12	13x12	18x9	14x12
4.3	2.0	17.23	28	10.8	9.6	8.6	7.8	7.2	6.6	6.4	6.2
	2.5	19.40	28	12.1	10.8	9.7	8.8	8.1	7.5	7.2	6.9
	3.0	21.55	28	13.5	12.0	10.8	9.8	9.0	8.3	8.0	7.7
	3.5	23.31	28	14.6	13.0	11.7	10.6	9.7	9.0	8.6	8.3
	4.0	24.60	28	15.4	13.7	12.3	11.2	10.3	9.5	9.1	8.8
4.7	2.0	20.05	26	12.5	11.1	10.0	9.1	8.4	7.7	7.4	7.2
	2.5	22.21	28	13.9	12.3	11.1	10.1	9.3	8.5	8.2	7.9
	3.0	24.40	28	15.3	13.6	12.2	11.1	10.2	9.4	9.0	8.7
	3.5	26.32	28	16.5	14.6	13.2	12.0	11.0	10.1	9.7	9.4
	4.0	27.12	26	17.0	15.1	13.6	12.3	11.3	10.4	10.0	9.7
5.1	2.0	22.92	28	14.3	12.7	11.5	10.4	9.6	8.8	8.5	8.2
	2.5	24.96	28	15.6	13.9	12.5	11.3	10.4	9.6	9.2	8.9
	3.0	27.71	28	17.3	15.4	13.9	12.6	11.5	10.7	10.3	9.9
	3.5	29.63	28	18.5	16.5	14.8	13.5	12.3	11.4	11.0	10.6
	4.0	31.89	30	19.9	17.7	15.9	14.5	13.3	12.3	11.8	11.4

Note:

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

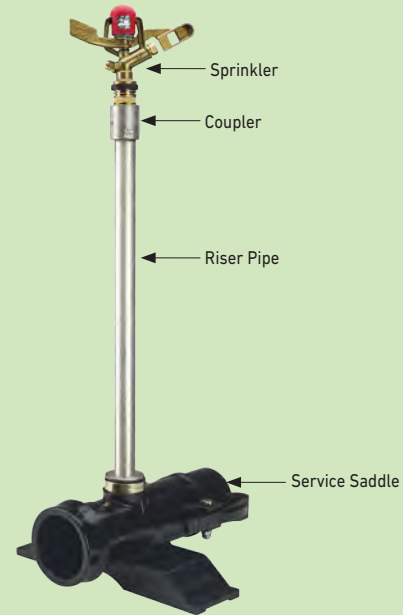
CU < 85%	CU = 85-88%	CU = 88-92%	CU > 92%
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### Ordering Specifications - Single Nozzle

JI2S	XX	XX	X
	Nozzle size (mm) x 10	Inlet Size (inch)	Type of inlet
	4.3 mm - 43	3/4" - 3/4	Male - M
	4.7 mm - 47		
	5.1 mm - 51		

Example: JI2S4334M - This code represents JI 2 Sprinkler - Full circle having single nozzle size 4.3 mm

## JI-2 Sprinkler Assembly



### Dual Nozzle

(Trajectory 25°)

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

Nozzle (mm)	P (Kg/cm <sup>2</sup> )	Q (lpm)	D (m)	Spacing (m)							
				12x12	14x12	14x14	16x16	18x15	18x16	18x18	19x18
4.5 x 3.1	2.0	26.63	26	11.1	-	-	-	-	-	-	-
	2.5	29.50	28	12.3	10.5	9.0	6.9	6.6	-	-	-
	3.0	32.26	28	13.4	11.5	9.9	7.6	7.2	6.7	6.0	5.7
	3.5	34.81	28	14.5	12.4	10.7	8.2	7.7	7.3	6.4	6.1
	4.0	35.27	28	14.7	12.6	10.8	8.3	7.8	7.3	6.5	6.2
5.1 x 3.1	2.0	29.91	26	12.5	10.7	9.2	7.0	6.6	6.2	-	-
	2.5	33.50	26	14.0	12.0	10.3	7.9	7.4	7.0	6.2	5.9
	3.0	36.55	28	15.2	13.1	11.2	8.6	8.1	7.6	6.8	6.4
	3.5	39.35	28	16.4	14.1	12.0	9.2	8.7	8.2	7.3	6.9
	4.0	41.57	28	17.3	14.8	12.7	9.7	9.2	8.7	7.7	7.3
5.5 x 3.1	2.0	33.13	26	13.8	11.8	10.1	7.8	7.4	6.9	-	-
	2.5	37.34	28	15.6	13.3	11.4	8.8	8.3	7.8	6.9	6.6
	3.0	40.50	28	16.9	14.5	12.4	9.5	9.0	8.4	7.5	7.1
	3.5	44.06	28	18.4	15.7	13.5	10.3	9.8	9.2	8.2	7.7
	4.0	46.57	28	19.4	16.6	14.3	10.9	10.3	9.7	8.6	8.2

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 - Dual Nozzle

JI2D	XXXX	XXX	X
	Nozzle size (mm x mm)	Inlet Size (inch)	Type of inlet
	4.5 mm x 3.1 mm -4531	3/4" - 034	Male - M
	5.1 mm x 3.1 mm -5131		
	5.5 mm x 3.1 mm -5531		

Example: JI2D4531034M - This code represents JI 2 Sprinkler - Full circle having dual nozzle size 4.5 x 3.1 mm.