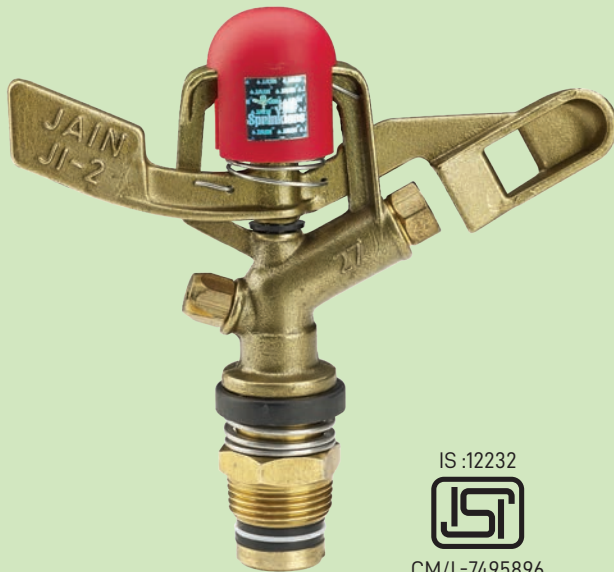


# JI - 2 Sprinkler



IS :12232  
  
 CM/L-7495896



Germination  
Irrigation



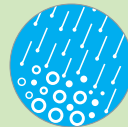
Irrigation  
Full Coverage



Pasture  
Irrigation



Field  
Crops



Dust  
Suppression



Heap  
Leaching



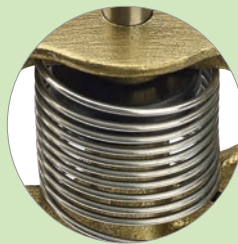
Cleaning &  
Cooling

## Features & Benefits



### Red Cap for Protection of SS Spring

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



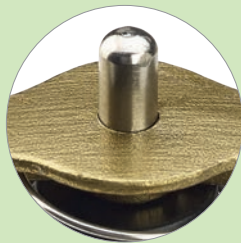
### Heavy Duty Retraction Spring

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 Sprinkler

## 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: 20.10 to 48.17 lpm
- Wetted Radius: 12.5 to 16 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 27°)

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

| Nozzle<br>(mm) | P<br>(Kg/cm <sup>2</sup> ) | Q<br>(lpm) | D<br>(m) | Spacing (m) |       |       |       |
|----------------|----------------------------|------------|----------|-------------|-------|-------|-------|
|                |                            |            |          | 12x9        | 12x10 | 12x12 | 12x18 |
| 4.7            | 2.0                        | 20.10      | 26       | 11.17       | 10.05 | 8.4   | 5.6   |
|                | 2.5                        | 21.67      | 26       | 12.04       | 10.83 | 9.0   | 6.0   |
|                | 3.0                        | 23.83      | 26       | 13.24       | 11.92 | 9.9   | 6.6   |
|                | 3.5                        | 25.83      | 26       | 14.35       | 12.92 | 10.8  | 7.2   |
|                | 4.0                        | 27.67      | 26       | 15.37       | 13.83 | 11.5  | 7.7   |
| 5.1            | 2.0                        | 22.92      | 26       | 12.73       | 11.46 | 9.5   | 6.4   |
|                | 2.5                        | 25.00      | 26       | 13.89       | 12.50 | 10.4  | 6.9   |
|                | 3.0                        | 27.50      | 26       | 15.28       | 13.75 | 11.5  | 7.6   |
|                | 3.5                        | 29.83      | 26       | 16.57       | 14.92 | 12.4  | 8.3   |
|                | 4.0                        | 32.00      | 26       | 17.78       | 16.00 | 13.3  | 8.9   |

Note:

- Sprinklers are tested under standard test conditions.

- P= Pressure; Q= Discharge; D = Diameter

- Colour code - Distribution uniformity

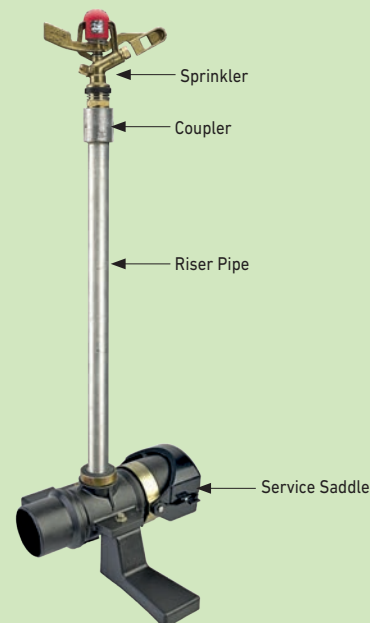
|          |             |             |          |
|----------|-------------|-------------|----------|
| CU < 85% | CU = 85-88% | CU = 88-92% | CU > 92% |
|----------|-------------|-------------|----------|

## 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" - 34         | 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 27°)

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

| Nozzle<br>(mm) | P<br>(Kg/cm <sup>2</sup> ) | Q<br>(lpm) | D<br>(m) | Spacing (m) |       |       |       |       |       |
|----------------|----------------------------|------------|----------|-------------|-------|-------|-------|-------|-------|
|                |                            |            |          | 12x12       | 12x15 | 12x18 | 15x15 | 15x18 | 18x18 |
| 4.5 x 3.1      | 2.0                        | 26.00      | 25.2     | 10.8        | 8.7   | 7.2   | 6.9   | 5.8   | 4.8   |
|                | 2.5                        | 29.00      | 25.7     | 12.1        | 9.7   | 8.1   | 7.7   | 6.4   | 5.4   |
|                | 3.0                        | 32.00      | 25.8     | 13.3        | 10.7  | 8.9   | 8.5   | 7.1   | 5.9   |
|                | 3.5                        | 34.67      | 26.0     | 14.4        | 11.6  | 9.6   | 9.2   | 7.7   | 6.4   |
|                | 4.0                        | 37.00      | 26.0     | 15.4        | 12.3  | 10.3  | 9.9   | 8.2   | 6.9   |
| 5.1 x 3.1      | 2.0                        | 29.83      | 24.2     | 12.4        | 9.9   | 8.3   | 8.0   | 6.6   | 5.5   |
|                | 2.5                        | 33.50      | 25.2     | 14.0        | 11.2  | 9.3   | 8.9   | 7.4   | 6.2   |
|                | 3.0                        | 36.67      | 26.0     | 15.3        | 12.2  | 10.2  | 9.8   | 8.1   | 6.8   |
|                | 3.5                        | 39.83      | 26.0     | 16.6        | 13.3  | 11.1  | 10.6  | 8.9   | 7.4   |
|                | 4.0                        | 42.67      | 26.0     | 17.8        | 14.2  | 11.9  | 11.4  | 9.5   | 7.9   |
| 5.5 x 3.1      | 2.5                        | 38.00      | 27.3     | 15.8        | 12.7  | 10.6  | 10.1  | 8.4   | 7.0   |
|                | 3.0                        | 41.67      | 27.3     | 17.4        | 13.9  | 11.6  | 11.1  | 9.3   | 7.7   |
|                | 3.5                        | 45.17      | 28.2     | 18.8        | 15.1  | 12.5  | 12.0  | 10.0  | 8.4   |
|                | 4.0                        | 48.17      | 28.2     | 20.1        | 16.1  | 13.4  | 12.8  | 10.7  | 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% |
|----------|-------------|-------------|----------|

## 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.