

# JI - 1 Sprinkler



Germination  
Irrigation



Irrigation  
Full Coverage



Pasture  
Irrigation



Field  
Crops



Blossom  
Shower

## Features & Benefits



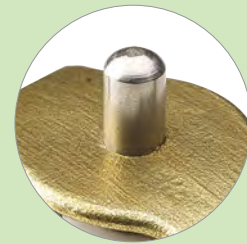
### Heavy Duty Retraction Spring

Stainless steel retraction spring maintains uniform rotation speed



### Innovative Swing Arm

Well balanced brass 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



### Threaded Inlet Connection

1/2" male threaded inlet connection for connectivity with system

# Jl - 1

## 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 : 7.82 to 31.57 lpm
- Wetted Radius : 11 to 13 m
- Operating Pressure : 2 to 4 Kg/cm<sup>2</sup>
- Inlet Connection : 1/2" 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)						
				6x6	8x6	10x6	12x6	8x8	10x9	10x10
2.8	2.0	7.82	24	13.0	9.8	7.8	6.5	7.3	5.2	4.7
	2.5	8.91	24	14.9	11.1	8.9	7.4	8.4	5.9	5.3
	3.0	9.99	24	16.7	12.5	10.0	8.3	9.4	6.7	6.0
	3.5	10.88	26	18.1	13.6	10.9	9.1	10.2	7.3	6.5
	4.0	11.50	28	19.2	14.4	11.5	9.6	10.8	7.7	6.9
3.2	2.0	10.08	24	16.8	12.6	10.1	8.4	9.4	6.7	6.0
	2.5	11.62	24	19.4	14.5	11.6	9.7	10.9	7.7	7.0
	3.0	12.49	24	20.8	15.6	12.5	10.4	11.7	8.3	7.5
	3.5	13.09	24	21.8	16.4	13.1	10.9	12.3	8.7	7.9
	4.0	14.13	24	23.5	17.7	14.1	11.8	13.2	9.4	8.5
3.5	2.0	12.13	24	20.2	15.2	12.1	10.1	11.4	8.1	7.3
	2.5	12.57	24	20.9	15.7	12.6	10.5	11.8	8.4	7.5
	3.0	13.67	24	22.8	17.1	13.7	11.4	12.8	9.1	8.2
	3.5	14.42	24	24.0	18.0	14.4	12.0	13.5	9.6	8.6
	4.0	15.50	24	25.8	19.4	15.5	12.9	14.5	10.3	9.3
4.0	2.0	14.13	22	23.5	17.7	14.1	11.8	13.2	9.4	8.5
	2.5	15.66	24	26.1	19.6	15.7	13.1	14.7	10.4	9.4
	3.0	17.04	24	28.4	21.3	17.0	14.2	16.0	11.4	10.2
	3.5	18.62	24	31.0	23.3	18.6	15.5	17.5	12.4	11.2
	4.0	19.45	24	32.4	24.3	19.4	16.2	18.2	13.0	11.7
4.5	2.0	17.64	24	29.4	22.1	17.6	14.7	16.5	11.8	10.6
	2.5	19.54	26	32.6	24.4	19.5	16.3	18.3	13.0	11.7
	3.0	21.68	26	36.1	27.1	21.7	18.1	20.3	14.5	13.0
	3.5	23.41	26	39.0	29.3	23.4	19.5	21.9	15.6	14.0
	4.0	24.96	26	41.6	31.2	25.0	20.8	23.4	16.6	15.0

Note:

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

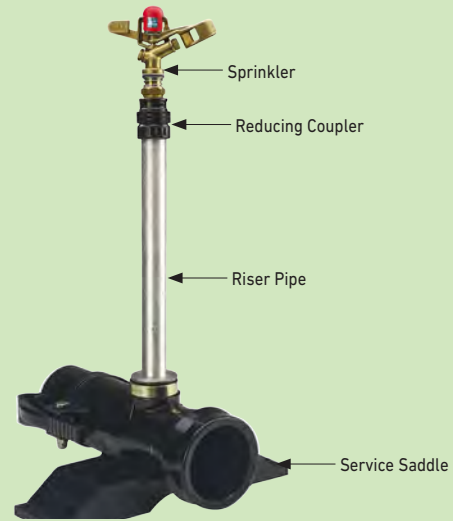
CU < 85%	CU = 85-88%	CU = 88-92%	CU > 92%
----------	-------------	-------------	----------

### Ordering Specifications - Single Nozzle

Jl1S	XX	XX	X
	Nozzle size (mm) x 10	Inlet Size (inch)	Type of inlet
	2.8 mm - 28	1/2" - 12	Male - M
	3.2 mm - 32		
	3.5 mm - 35		
	4.0 mm - 40		
	4.5 mm - 45		

Example: J11S2812M - This code represents Jl 1 Sprinkler - Full circle having single nozzle size 2.8 mm.

## Jl-1 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)							
				10x10	12x10	11x11	12x11	12x12	13x12	13x13	
2.8 x 2.5	2.0	12.49	22	7.5	6.2	6.2	5.7	5.2	4.8	4.4	
	2.5	14.24	24	8.5	7.1	7.1	6.5	5.9	5.5	5.1	
	3.0	15.81	24	9.5	7.9	7.8	7.2	6.6	6.1	5.6	
	3.5	16.72	24	10.0	8.4	8.3	7.6	7.0	6.4	5.9	
	4.0	17.86	24	10.7	8.9	8.9	8.1	7.4	6.9	6.3	
3.2 x 2.5	2.0	14.14	24	8.5	7.1	7.0	6.4	5.9	5.4	5.0	
	2.5	16.12	24	9.7	8.1	8.0	7.3	6.7	6.2	5.7	
	3.0	17.62	24	10.6	8.8	8.7	8.0	7.3	6.8	6.3	
	3.5	19.40	24	11.6	9.7	9.6	8.8	8.1	7.5	6.9	
	4.0	20.80	24	12.5	10.4	10.3	9.5	8.7	8.0	7.4	
3.5 x 2.5	2.0	17.23	24	10.3	8.6	8.5	7.8	7.2	6.6	6.1	
	2.5	18.14	24	10.9	9.1	9.0	8.2	7.6	7.0	6.4	
	3.0	19.77	24	11.9	9.9	9.8	9.0	8.2	7.6	7.0	
	3.5	20.70	24	12.4	10.4	10.3	9.4	8.6	8.0	7.3	
	4.0	22.36	24	13.4	11.2	11.1	10.2	9.3	8.6	7.9	
4.0 x 2.5	2.0	19.03	24	11.4	9.5	9.4	8.6	7.9	7.3	6.8	
	2.5	20.93	24	12.6	10.5	10.4	9.5	8.7	8.0	7.4	
	3.0	23.03	24	13.8	11.5	11.4	10.5	9.6	8.9	8.2	
	3.5	25.19	24	15.1	12.6	12.5	11.5	10.5	9.7	8.9	
	4.0	26.62	24	16.0	13.3	13.2	12.1	11.1	10.2	9.5	
4.5 x 2.5	2.0	22.85	24	13.7	11.4	11.3	10.4	9.5	8.8	8.1	
	2.5	24.95	24	15.0	12.5	12.4	11.3	10.4	9.6	8.9	
	3.0	27.25	24	16.4	13.6	13.5	12.4	11.4	10.5	9.7	
	3.5	29.86	26	17.9	14.9	14.8	13.6	12.4	11.5	10.6	
	4.0	31.57	24	18.9	15.8	15.7	14.3	13.2	12.1	11.2	

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%
----------	-------------	-------------	----------

### Ordering Specifications - Dual Nozzle

Jl1D	XXXX	XXX	X
	Nozzle size (mm x mm)	Inlet Size (inch)	Type of inlet
	2.8 mm x 2.5 mm - 2825	1/2" - 012	Male & NPT - M-N
	3.2 mm x 2.5 mm - 3225		
	3.5 mm x 2.5 mm - 3525		
	4.0 mm x 2.5 mm - 4025		
	4.5 mm x 2.5 mm - 4525		

Example: J11D2825012M-N - This code represents Jl 1 Sprinkler - Full circle having dual nozzle size 2.8 x 2.5 mm