

More Crop Per Drop®



Inventor of Sprinkler

Pioneered many firsts to
sprinkler industry.

More than 70 years of experience.
Time tested technology.

Precision Engineered Nozzles

Hydrodynamically designed nozzle profile
for precise jet and longer radius of throw.

Rugged Construction

Corrosion proof I-beam construction
for added strength.

Hassle Free Operation

Well balanced swing arm ensures
smooth and uniform rotation.

Offers Unmatched Uniformity

Uniform precipitation
rate resulting in
More Crop Per Drop

Performs Even in Harsh Conditions

The material composition ensures long life.
Chemical resistant washers.

Reliable Mechanism

Stainless steel spindle,
fulcrum pin and spring.

Largest Range to Choose from

Select from our range of part and
full circle models to match the specific
needs of your crop.

Jain Sprinklers - Soldiers of the green revolution

Your search for dependable and uniform irrigation device ends here. 'Jain' is a well established sprinkler brand known for it's quality, reliability and continues to set the bench mark by which other sprinkler manufacturers' are judged. Jain offer a widest range of metal sprinklers for irrigation & frost protection.

Our experience speaks



Performance test for sprinkler - Year 1950

Jain Sprinklers of today are a result of seven decades of experience in sprinkler manufacturing technology. Our understanding of India's farmer and agriculture blended with inventor of Sprinkler NaanDanJain Israel's 70 years of technological know-how qualifies us to recommend the most appropriate sprinkler for your requirements.

Sprinkler is not just a rotating device. As a customer you must look into many aspects controlling the behavior of a sprinkler and that is where our 70 years experience can come handy.

- Spring gauge:** We know the importance of the critical spring gauge and spring tension that maintains the uniformity of rotation speed.
- Washers and Seals:** Our expertise can turn out to be a crucial factor in selection of right washers and seal material, its proper thickness and smoothness as these elements play a important role in hassle free operation.
- Hydrodynamics:** The critical hydrodynamics inbuilt in the sprinkler design is gained through years of experience and this alone ensures uniform precipitation in your field.

- Ruggedness:** Our knowledge of harsh field conditions that sprinkler is exposed to helps us in pre-empting all possible scenarios in its operational cycle and that is why our sprinklers are so rugged in construction.

Our sprinklers are time tested. We understand sprinklers and more importantly we understand you.

Applications

- Field crops like pulses, oil seeds, vegetables, sugarcane, cotton, cereals, tea, coffee and fodder crops.
- Used in solid set, semi-permanent and shiftable system.

JI-1 Full Circle

1/2" Male



Technical Specifications Single Nozzle

(Trajectory 25°)

Code	Nozzle Size, mm	*Pressure		Discharge		Radius	
		kg/cm ²	psi	lpm	gpm	m	ft
JI1S2812M	2.8	2	28.44	7.25	1.92	10.3	33.8
		3	42.66	9.10	2.40	11.0	36.0
JI1S3212M	3.2	2	28.44	8.15	2.15	10.5	34.4
		3	42.66	10.10	2.67	11.3	37.0
**JI1S3512M	3.5	2	28.44	10.28	2.72	11.5	37.7
		3	42.66	12.60	3.33	11.9	39.0
JI1S4012M	4	2	28.44	13.44	3.56	11.5	37.7
		3	42.66	16.46	4.35	12.1	39.7
JI1S4512M	4.5	2	28.44	17.01	4.50	11.6	38.0
		3	42.66	20.83	5.51	12.3	40.2

Double Nozzle

(Trajectory 25°)

Code	Nozzle Size, mm	*Pressure		Discharge		Radius	
		kg/cm ²	psi	lpm	gpm	m	ft
JI1D282512M	2.8x2.5	2	28.44	12.50	3.30	8.0	26.2
		3	42.66	13.90	3.67	8.5	27.9
JI1D322512M	3.2x2.5	2	28.44	15.40	4.07	9.0	29.5
		3	42.66	16.70	4.42	10.0	32.8
**JI1D352512M	3.5x2.5	2	28.44	17.00	4.50	11.5	37.7
		3	42.66	20.80	5.50	11.9	39.0
JI1D402512M	4.0x2.5	2	28.44	20.20	5.34	11.5	37.7
		3	42.66	24.70	6.53	12.1	39.7
JI1D452512M	4.5x2.5	2	28.44	23.70	6.27	11.6	38.0
		3	42.66	29.00	7.67	12.5	41.0

* Pressure refers to pressure at the nozzle ** Standard nozzle

* Pressure refers to pressure at the nozzle ** Standard nozzle

423 P-Part Circle Garden

1/2" Male / 3/4" Female



Technical Specifications

(Trajectory 25°)

Code		Nozzle mm	*Pressure		Discharge		Radius	
1/2" Male	3/4" Female		kg/cm ²	psi	lpm	gpm	m	ft
5142435	5142535	3.5 Blue	2.0	28.44	11.0	2.91	12.0	39.4
			3.0	42.66	13.5	3.57	13.0	42.6
			4.0	56.88	15.5	4.10	13.5	44.3
5142440	5142540	4.0** Black	2.0	28.44	14.2	3.76	12.5	41.0
			3.0	42.66	17.2	4.55	13.5	44.3
			4.0	56.88	19.7	5.21	14.0	45.9

* Pressure refers to pressure at the nozzle ** Standard nozzle

423 P-AG - Part Circle Agricultural

1/2" Male / 3/4" Female



Technical Specifications

(Trajectory 25°)

Code		Nozzle mm	*Pressure		Discharge		Radius	
1/2" Male	3/4" Female		kg/cm ²	psi	lpm	gpm	m	ft
5142232	--	3.2 Green	2.0	28.44	9.5	2.51	11.5	37.7
			3.0	42.66	11.7	3.10	12.5	41.0
			4.0	56.88	13.5	3.57	13.0	42.6
5142235	5142335	3.5 Blue	2.0	28.44	11.0	2.91	12.0	39.4
			3.0	42.66	13.5	3.57	13.0	42.6
			4.0	56.88	15.5	4.10	13.5	44.3
5142240	5142340	4.0** Black	2.0	28.44	14.2	3.76	12.5	41.0
			3.0	42.66	17.2	4.55	13.5	44.3
			4.0	56.88	19.7	5.21	14.0	45.9

* Pressure refers to pressure at the nozzle ** Standard nozzle

JI-2 Full Circle

3/4" Male



Technical Specifications

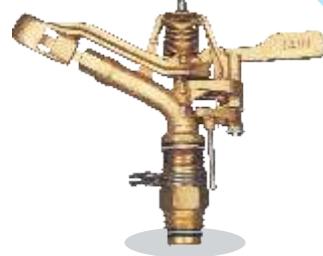
(Trajectory 27°)

Code	Nozzle Size,mm	*Pressure		Discharge		Radius	
		kg/cm ²	psi	lpm	gpm	m	ft
JI2D4531034M	4.5x3.1	2.0	28.44	22.60	5.98	13.00	42.6
		2.5	35.55	25.50	6.75	13.50	44.3
		3.0	42.66	27.60	7.30	14.00	45.9
JI2D5131034M	5.1X3.1**	2.0	28.44	30.00	7.94	11.50	37.7
		2.5	35.55	34.00	9.00	12.00	39.4
		3.0	42.66	37.00	9.79	12.25	40.2
JI2D5531034M	5.5x3.1	2.0	28.44	31.00	8.20	14.00	45.9
		2.5	35.55	34.70	9.18	14.50	47.6
		3.0	42.66	37.70	9.97	15.50	50.8

* Pressure refers to pressure at the nozzle ** Standard nozzle

JI-2 Part Circle

3/4" Male



Technical Specifications

(Trajectory 27°)

Code	Nozzle Size,mm	*Pressure		Discharge		Radius	
		kg/cm ²	psi	lpm	gpm	m	ft
JI2SS43034M	4.3	2.5	35.55	17.00	4.50	13.5	44.3
		3.0	42.66	19.00	5.03	13.9	45.6
JI2SS47034M	4.7	2.5	35.55	21.00	5.56	14.1	46.2
		3.0	42.66	23.00	6.08	14.5	47.6
JI2SS51034M	5.1**	2.5	35.55	24.00	6.35	15.0	49.2
		3.0	42.66	27.00	7.14	15.5	50.8

* Pressure refers to pressure at the nozzle ** Standard nozzle



JI-3 Full Circle

¾" Male



Technical Specifications

(Trajectory 30°)

Code	Nozzle Size, mm	*Pressure		Discharge		Radius	
		kg/cm ²	psi	lpm	gpm	m	ft
JI3D5031034M	5.0 x 3.1	3.0	42.66	37.75	9.99	15	49.2
		3.5	49.77	42.33	11.20	16	52.5
JI3D5531034M	5.5 x 3.1**	3.0	42.66	43.00	11.37	16	52.5
		3.5	49.77	46.00	12.16	17	59.0
JI3D6031034M	6.0 x 3.1	3.0	42.66	52.42	13.87	18	59.0
		3.5	49.77	55.75	14.75	18	59.0
JI3D6531034M	6.5 x 3.1	3.0	42.66	58.17	15.39	18	59.0
		3.5	49.77	62.50	16.53	18	59.0

* Pressure refers to pressure at the nozzle ** Standard nozzle

JI-4 Full Circle

1" Male



JI-4 Part Circle

1" Male



Technical Specifications

(Trajectory 28°)

Code	Nozzle Size,mm	*Pressure		Discharge		Radius	
		kg/cm ²	psi	lpm	gpm	m	ft
JI4D5555100M	5.5x5.5	3.0	42.66	62	16.40	17.00	55.8
		4.0	56.88	72	19.05	18.00	59.1
JI4D6055100M	6.0x5.5**	3.0	42.66	68	17.99	17.50	57.4
		3.5	49.77	74	19.58	18.00	59.1
		4.0	56.88	79	20.90	18.50	60.7
JI4D6555100M	6.5x5.5	3.0	42.66	75	19.84	18.00	59.1
		4.0	56.88	86	22.75	19.00	62.3
JI4D7055100M	7.0x5.5	3.5	49.77	88	23.28	19.00	62.3
		4.0	56.88	94	24.87	19.50	64.0

* Pressure refers to pressure at the nozzle ** Standard nozzle

Technical Specifications

(Trajectory 27°)

Code	Nozzle Size,mm	*Pressure		Discharge		Radius	
		kg/cm ²	psi	lpm	gpm	m	ft
JI4SS63100M	6.3	3.0	42.66	41	10.85	17.00	55.8
		3.5	49.77	44	11.64	17.40	57.0
		4.0	56.88	47	12.43	17.90	58.8

* Pressure refers to pressure at the nozzle



JI-5 Full Circle

1 1/4" Female



Technical Specifications

(Trajectory 25°)

Code	Nozzle Size,mm	*Pressure		Discharge		Radius	
		kg/cm ²	psi	lpm	gpm	m	ft
JI5D90114M	9.0x5.0	4.0	56.88	134	35.45	21.00	68.9
		4.5	64.00	144	38.10	22.00	72.2
JI5D95114M	9.5x5.0	4.0	56.88	145	38.36	21.50	70.5
		4.5	64.00	154	40.74	22.50	73.8
JI5D10114M	10.0x5.0	4.0	56.88	161	42.59	21.50	70.5
		4.5	64.00	172	45.50	22.50	73.8
JI5D11114M	11.0x5.0	4.0	56.88	187	49.47	22.00	72.2
		5.0	71.10	199	52.65	24.00	78.7
JI5D12114M	12.0x6.0	4.5	64.00	248	65.61	24.00	78.7
		5.0	71.10	261	69.05	26.00	85.3

* Pressure refers to pressure at the nozzle

JI-5 Part Circle

1 1/4" Male



Technical Specifications

(Trajectory 27°)

Code	Nozzle Size,mm	*Pressure		Discharge		Radius	
		kg/cm ²	psi	lpm	gpm	m	ft
JI5SD8030114M	8.0x3.0	3	42.66	75	19.84	21.00	68.9
		4	56.88	87	23.02	22.50	73.8
JI5SD8755114M	8.7x5.5	3	42.66	135	35.71	21.50	70.5
		4	56.88	155	41.01	23.20	76.1
JI5SD9555114M	9.5x5.5	3	42.66	154	40.74	22.00	72.2
		4	56.88	178	47.09	23.80	78.1

* Pressure refers to pressure at the nozzle

233 B - AFS - Lal Topi for Frost Protection + Irrigation



3/4" Male/ Female



Technical Specifications - Single Nozzle

(Trajectory 30°)

Code	Nozzle	*Pressure		Discharge		Radius	
		kg/cm ²	psi	lpm	gpm	m	ft
5124640	5124610	3.5	3.0	42.66	13.2	3.49	13.5 44.3
		Blue (Red Sleeve)	4.0	56.88	15.2	4.02	14.0 45.9
		5.0	71.10	17.0	4.50	14.5 47.6	
5124642	5124612	4.0**	3.0	42.66	17.7	4.68	14.5 47.6
		Black (Red Sleeve)	4.0	56.88	20.3	5.37	14.5 47.6
		5.0	71.10	22.5	5.95	14.5 47.6	
5124644	5124614	4.5	3.0	42.66	21.5	5.69	15.0 49.2
		Brown (Red Sleeve)	4.0	56.88	25.0	6.61	16.0 52.5
		5.0	71.10	27.5	7.28	16.5 54.1	

* Pressure refers to pressure at the nozzle, ** Standard nozzle.

Note: Sleeve is positioned at the bottom for protection of the spring. Colour of sleeve designates type of accessories used in sprinkler.

Double Nozzle

(Trajectory 30°)

Code	Nozzle	*Pressure		Discharge		Radius	
		kg/cm ²	psi	lpm	gpm	m	ft
5124654	5124624	3.5 x 2.5L	3.0	42.66	20.7	5.48	13.5 44.3
		Blue x Gray (Red Sleeve)	4.0	56.88	23.8	6.30	14.5 47.5
		5.0	71.10	27.0	7.14	14.5 47.5	
5124656	5124626	4.0 x 2.5L	3.0	42.66	24.8	6.56	14.5 47.5
		Black x Gray (Red Sleeve)	4.0	56.88	29.0	7.67	14.5 47.5
		5.0	71.10	32.5	8.60	14.5 47.5	
5124658	5124628	4.5 x 2.5L	3.0	42.66	29.8	7.88	15.0 49.2
		Brown x Gray (Red Sleeve)	4.0	56.88	34.5	9.12	15.5 50.8
		5.0	71.10	38.7	10.24	16.0 52.5	

* Pressure refers to pressure at the nozzle



233 B-S Lal Topi for Irrigation

¾" Male/ Female



Single Nozzle

(Trajectory 30°)

Code		Nozzle mm	*Pressure		Discharge		Radius	
¾" Male	¾" Female		kg/cm ²	psi	lpm	gpm	m	ft
5124740	5124710	3.5 Blue (Red Sleeve)	3.0	42.66	13.2	3.49	13.5	44.3
			4.0	56.88	15.2	4.02	14.0	45.9
			5.0	71.10	17.0	4.50	14.5	47.6
5124742	5124712	4.0** Black (Red Sleeve)	3.0	42.66	17.7	4.68	14.5	47.6
			4.0	56.88	20.3	5.37	14.5	47.6
			5.0	71.10	22.5	5.95	14.5	47.6
5124744	5124714	4.5 Brown (Red Sleeve)	3.0	42.66	21.5	5.69	15.0	49.2
			4.0	56.88	25.0	6.61	16.0	52.5
			5.0	71.10	27.5	7.28	16.5	54.1
5124746	5124716	5.0 Purple (Black Sleeve)	3.0	42.66	26.8	7.09	16.5	54.1
			4.0	56.88	31.1	8.25	17.5	57.4
			5.0	71.10	35.0	9.26	18.5	60.7
5124748	5124718	5.5 Orange (Black Sleeve)	3.0	42.66	32.2	8.50	18.0	59.0
			4.0	56.88	37.2	9.83	19.0	62.3
			5.0	71.10	41.5	11.00	19.0	62.3
5124750	5124720	6.0 Red (Black Sleeve)	3.0	42.66	37.7	10.00	18.0	59.0
			4.0	56.88	43.7	11.55	19.0	62.3
			5.0	71.10	49.0	12.96	20.5	67.3

* Pressure refers to pressure at the nozzle, ** Standard nozzle.

Technical Specifications - Double Nozzle

(Trajectory 30°)

Code		Nozzle mm	*Pressure		Disch.		Radius	
¾" Male	¾" Female		kg/cm ²	psi	lpm	gpm	m	ft
5124754	5124724	3.5 x 2.5L Blue x Gray (Red Sleeve)	3.0	42.66	20.7	5.48	13.5	44.3
			4.0	56.88	23.8	6.30	14.5	47.5
			5.0	71.10	27.0	7.14	14.5	47.5
5124756	5124726	4.0 x 2.5L** Black x Gray (Red Sleeve)	3.0	42.66	24.8	6.56	14.5	47.5
			4.0	56.88	29.0	7.67	14.5	47.5
			5.0	71.10	32.5	8.60	14.5	47.5
5124758	5124728	4.5 x 2.5L Brown x Gray (Red Sleeve)	3.0	42.66	29.8	7.88	15.0	49.2
			4.0	56.88	34.5	9.12	15.5	50.8
			5.0	71.10	38.7	10.24	16.0	52.5
5124760	5124730	5.0x2.5L Purple x Gray (Black Sleeve)	3.0	42.66	35.2	9.3	16.0	52.5
			4.0	56.88	40.0	10.6	17.0	55.7
			5.0	71.10	44.8	11.9	17.5	57.4
5124762	5124732	5.5 x 2.5L Orange x Gray (Black Sleeve)	3.0	42.66	39.8	10.5	17.0	55.7
			4.0	56.88	46.0	12.2	18.5	60.7
			5.0	71.10	51.5	13.62	19.5	64.0
5124764	5124734	6.0 x 2.5L Red x Gray (Black Sleeve)	3.0	42.66	45.0	11.9	18.5	60.7
			4.0	56.88	52.7	13.9	18.5	60.7
			5.0	71.10	59.0	15.6	20.0	65.6

Note: Sleeve is positioned at the bottom for protection of the spring. Colour of sleeve designates type of accessories used in sprinkler.

234 B-S Lal Topi for Irrigation

1" Female



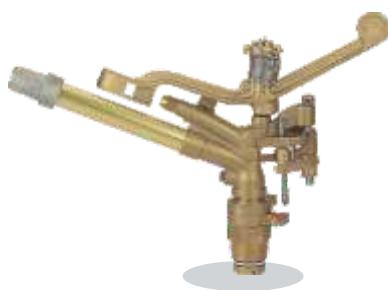
Technical Specifications - Double Nozzle

(Trajectory 30°)

Code	Nozzle mm	*Pressure kg/cm ²	Disch.		Radius	
			lpm	gpm	m	ft
5124450	5.0x3.2 Purple	3.0	36.8	9.7	16.0	52.5
		4.0	42.2	11.2	17.0	55.8
		5.0	47.3	12.5	17.5	57.4
5124455	5.5x3.2 Orange	3.0	41.7	11.0	17.0	55.8
		4.0	48.3	12.8	18.5	60.7
		5.0	54.2	14.3	19.5	64.0
5124460	6.0x3.2 Red	3.0	46.8	12.4	18.5	60.7
		4.0	55.0	14.6	18.5	60.7
		5.0	61.7	16.3	20.0	65.6
5124465	6.5x3.2 Grey	3.0	53.2	14.1	19.0	62.3
		4.0	61.7	16.3	20.0	65.6
		5.0	69.2	18.3	20.5	67.2
5124470	7.0x3.2 Green	3.0	59.2	15.7	19.0	62.3
		4.0	68.3	18.1	20.5	67.2
		5.0	76.7	20.3	21.5	70.5

Magnum 21 - 1¼"

1¼" Male



Technical Specifications

(Trajectory 21°)

Code	Nozzle mm	* Pressure kg/cm ²	Disch. lps	Radius m	Precipitation mm/hr
5125621	9.0 x 6.5 x 3.2	4.0	2.72	25.5	15.1
		5.0	3.03	26.5	15.5
		6.0	3.33	27.0	16.5
		7.0	3.56	27.5	16.9
5125623	11.0 x 6.5 x 3.2	4.0	3.53	27.0	17.4
		5.0	3.89	29.0	16.6
		6.0	4.28	33.5	13.7
		7.0	4.67	34.0	14.5
5125624	12.0 x 6.5 x 3.2	4.0	3.67	28.5	16.3
		5.0	4.14	31.0	15.5
		6.0	4.58	34.0	14.3
		7.0	5.00	35.0	14.7

Code	Nozzle mm	* Pressure kg/cm ²	Disch. lps	Radius m	Precipitation mm/hr
5125625	13.0 x 6.5 x 3.2**	4.0	4.14	30.0	16.6
		5.0	4.97	32.5	16.9
		6.0	5.28	34.5	16.0
		7.0	5.64	35.5	16.1
5125626	14.5 x 6.5 x 3.2	4.0	4.72	31.0	17.7
		5.0	5.31	32.5	18.1
		6.0	5.78	35.0	17.0
		7.0	6.19	36.0	17.2
5125627	15.0 x 6.5 x 3.2	4.0	5.36	32.5	18.3
		5.0	5.97	34.5	18.1
		6.0	6.56	36.5	17.7
		7.0	6.89	38.0	17.2

* Pressure refers to pressure at the nozzle, ** Standard Nozzle





The Company

Jain Irrigation Systems Ltd. is a diversified company with turnover in excess of ₹ 3650 crores. Our principal line of business includes Hi-Tech Micro Irrigation, Plastic Piping and Food Processing. We have a Pan-India presence with 22 manufacturing bases spread over 4 continents. Our products are supplied to 105 countries with able assistance from 6700 Dealers and distributors worldwide.

Through 47 years of dedicated service to farming and the farmer, JAIN have established a permanent bond with them, Agriculture and the farming community.

To improve the lot of farmers, Jain Irrigation brought to this country, a new & revolutionary concept - Jain Micro Irrigation System - the most modern irrigation technology the world has evolved. Through continuous research and development efforts, JAIN made it their mission to adopt this technology to suit all types of soils and agro climatic conditions. Today, Jain Irrigation has become synonymous with Drip and Sprinkler Irrigation.

We are the second largest Micro Irrigation company in the world. The Micro irrigation Division manufactures the full range of precision-irrigation products; provides services from soil survey, engineering design to agronomic support; nurtures a sprawling 2000 acre Hi-Tech Agri Institute; a Farm Resource R&D, Demo Training & Extension Centre and undertakes turnkey projects for agricultural and irrigation development in totality. No wonder that JAIN have till date covered 45,00,000 acres for 52 different types of crops in parts of India.

The Micro Irrigation and Piping division have received accreditations like ISO 9001, ISO 14001, and OHSAS18001 while the food-processing plants have received the accreditations befitting the highest quality norms practiced there namely ISO 22000:2005 FSMS and BRC Global Standard Food certification by ISACERT, ISO 14000, OSHAS 18001, KOSHER, SGF, etc. The pursuit for quality is incomparable. Jain Irrigation continues to add value to agriculture supported by initiatives that are focused at giving back to nature.



Jain Plastic Park, Jalgaon - 425001, MS - India. Tel +91-257-2258011, Fax +91-257-2258111;
E-mail jisl@jains.com; Visit us at: www.jains.com.

