



With increasing demand of food grains and field crops and with lower availability of water, a sprinkler system is used now a days for a much efficient use of water for irrigation. This primarily is a system of spraying of water through nozzles (sprinklers). Keeping in step with technology and the market demand, Supreme offers quality HDPE coupled pipes, fittings and accessories for sprinkler irrigation under a very apt brand name, Varsha. This system can be used in even in undulating fields with excellent results and is useful for almost all types of soils and crops. The system, while helping in reducing the requirement of water for irrigation, effectively prevents soil erosion.

Unique features

- More than 40% water saving in comparison to flood irrigation.
- Well suited for irrigation of undulating fields- levelling of land is not required.
- Portable, light weight and easy to handle.
- Extensive saving in transportation and labor cost.
- Easy and quick installation by using coupler type joint provided with pipes and fittings.
- Excellent corrosion resistant properties.
- UV Stabilized - Provides protection from ultra violet sun rays which makes it suitable for exposed application.
- Highly flexible, crack and impact proof - sustains high pressures and high temperatures.
- Chemically inert - Makes it suitable for liquid fertilizers and pesticides.
- Strong, durable and long lasting.
- Cost effective.

Applications


Suitable for almost all crops like wheat, gram, pulses, vegetables, cotton, tea, coffee and field crops like hay, corn and soybean. It is also suitable for gardens maintained in residences, industries, hotels, resorts, public and government premises as also large green patches like the golf and race courses.

Product range

Supreme Varsha sprinkler pipes are manufactured as per IS:14151(Part 1) with licence to produce 50 to 200mm pipes in Class 1 (2.5 Kg/cm²), Class 2 (3.2 Kg/cm²), Class 3 (4 Kg/cm²) and 90mm size in Class 4 (6.0 Kg/cm²).

Supreme Varsha sprinkler fittings are manufactured as per IS:14151 (Part 2) with license to produce 50 to 140mm in Class 1 (2.5 Kg/cm²) and Class 2 (3.2 Kg/cm²) and 90mm size in Class 4 (6.0 Kg/cm²).

PIPES







Nominal Size (mm)	Outer diameter (mm)		Wall thickness (mm)					
			Class 1		Class 2		Class 3	
			Min	Max	Min	Max	Min	Max
50	50.0	50.5	-	-	-	-	2.00	2.40
63	63.0	63.6	-	-	2.00	2.40	2.50	2.90
75	75.0	75.7	2.00	2.40	2.50	2.90	3.00	3.40
90	90.0	90.8	2.20	2.60	2.90	3.40	3.50	4.10
110	110.0	111.0	2.70	3.20	3.40	3.90	4.20	4.80
120	125.0	126.2	3.10	3.60	3.80	4.50	4.80	5.50
140	140.0	141.3	3.50	4.10	4.30	5.00	5.40	6.10
160	160.0	161.5	3.90	4.50	4.90	5.60	6.20	7.00
180	180.0	181.7	4.40	5.00	5.50	6.30	6.90	7.80
200	200.0	201.8	4.90	5.60	6.10	7.00	7.70	8.70


Note: Spray Pipes are also available in 14mm x 8mm and 20mm 16 Kg/cm² pipes in 100m lengths. Coil length are also offered for spray pumps for orchards.


Fittings and accessories

Coupled Bend	Size (mm)
	63
	75
	90
	63
	75
	90
	110


Threaded Pump Connector	Size (mm)
	63
	75
	90
	63
	75
	90

End Cap	Size (mm)
	63
	75
	90
	63
	75
	90
	110

Coupled Tee	Size (mm)
	63
	75
	90
	90

Coupled Tee	Size (mm)
	63
	75
	90
	90
	110

Foot Batten Adaptor with M.S. Saddle	Size (mm)
	63
	75
	90
	90

Nozzle Model - 02 (F.C.)	Nozzle Size (mm)	Pressure (Kg/cm ²)	Diameter (m)	Discharge (LPM)
	5.15 x 3.17	2.00	25.00	34.00
		2.50	28.00	36.50
		3.00	30.00	38.00
		3.50	32.00	41.00

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