



Tornado Mini-Sprinkler

Turbulent flow mini-sprinkler

The Tornado Mini-Sprinkler unique vortex nozzle creates a turbulent water flow through a large water passage. Due to the large water passages, clogging hazard is minimized even with low flow rates.

Main Features:

- The vortex nozzle, allowing large water passages, protects from clogging
- The rotating spinner - retracts and seals the water outlet when not in operation, thus preventing insect penetration
- Fine droplets
- Uniform water distribution pattern
- Protected against UV degradation
- Resistant to chemicals and fertilizers commonly used in agriculture

Specifications:

- Five color-coded nozzles
- Flow rates at 2.0 bar: 34, 43, 76, 100, 115 lph
- Operating pressure range: 1.5-2.5 bar
- Two inlet configurations:
 - Threaded inlet fits 4x7mm feeder tube
 - Conic male inlet matches Plastro's Meteor adaptor (#41) with conic female outlet

Applications:

The low flow rate and fine droplets make the Tornado Mini-Sprinkler most suitable for under-canopy irrigation in orchards as well as home garden watering.

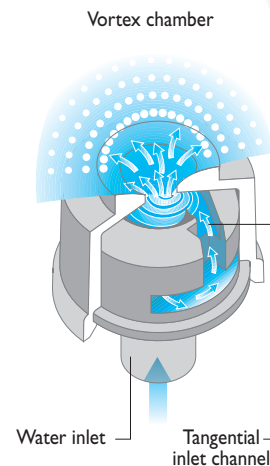


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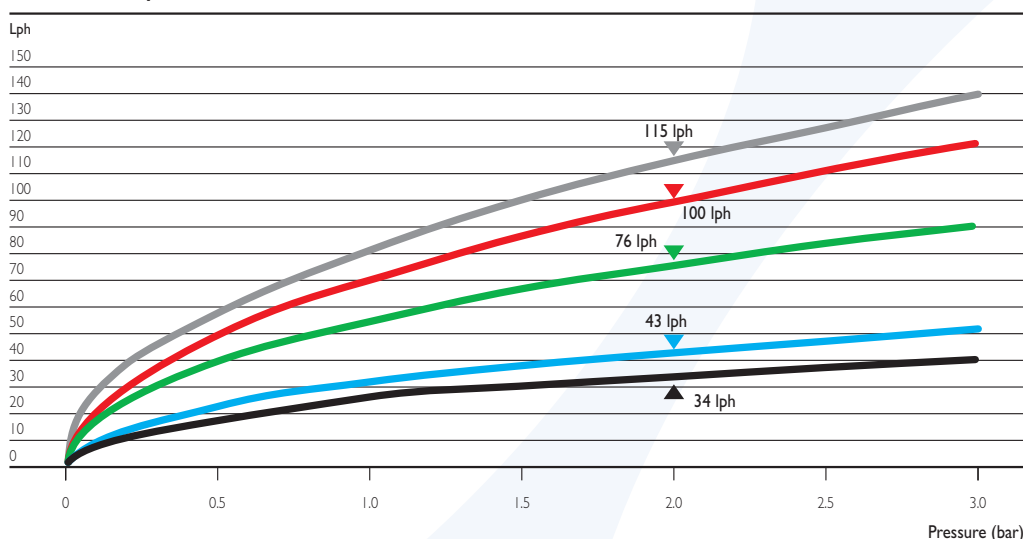
Tornado Mini-Sprinkler - Performance Data

Nozzle Color & Size (mm)	Pressure (bar)	Flow Rate (lph)	Wetting Diameter* (m)	Outside Diameter (mm)	Max. Recommended No. of Mini-Sprinklers on Irrigation Laterals												
					Mini-Sprinkler Spacing (m)												
Black ●	1.5	30	2.8	16	24	22	21	20	19	18	17	17	16	16			
	2.0	34	3.2	17.8	30	27	25	24	23	22	21	20	20	19			
0.9 Blue ●	2.5	38	3.6	20	38	35	32	31	29	28	27	26	25	24			
	1.5	38	3.0	16	21	19	18	17	16	15	15	14	14	13			
1.3 Blue ●	2.0	43	3.4	17.8	25	23	22	20	19	19	18	17	17	16			
	2.5	48	3.8	20	32	30	28	26	25	24	23	22	21	21			
Green ●	1.5	67	3.2	16	14	13	12	12	11	10	10	10	9	9			
	2.0	76	4.0	17.8	18	16	15	14	13	13	12	12	11	11			
1.7 Red ●	2.5	84	4.4	20	22	21	19	18	17	16	16	15	15	14			
	1.5	86	4.0	16	11	10	10	9	9	8	8	8	7	7			
2.0 Red ●	2.0	100	4.6	17.8	14	13	12	11	11	10	10	10	9	9			
	2.5	112	4.8	20	18	16	15	14	14	13	12	12	12	11			
White ○	1.5	100	4.4	16	10	9	9	8	8	7	7	7	7	6			
	2.0	115	5.0	17.8	13	12	11	10	10	9	9	9	8	8			
2.0 White ○	2.5	128	5.2	20	16	15	14	13	12	12	11	11	11	10			

* Nozzle height: 25 cm above ground level



Tornado Mini-Sprinkler - Performance Curves



Conic male inlet



Threaded inlet

The data in this leaflet provides general information only. Plastro may redesign and/or modify its products, and may change the information contained herein. For design purposes, see and use Plastro's most updated manual for designers.