

AQUAMIC

HT-210

Designed for diverse irrigation applications, the Aquamic micro sprinkler features a bayonet coupling. It can be paired with a Leakage Prevention Device (LPD) for enhanced reliability and water management.



HIGHLIGHTS

- **Versatile Sprinkler:** Unique swivel design ensures excellent water distribution and coverage making it suitable for under-canopy irrigation in orchards, horticulture nurseries, greenhouses, and poultry farming.
- Ideal for plant propagation, germination, and creating micro-climatic conditions.
- **Robust Design:** Sturdy structure with user-friendly bayonet connection.
- Made of high-quality materials for long-term field operations.
- **Color Coded Nozzles:** Eight color-coded nozzles for easy flow rate identification.
- **Ease of Use:** Can be mounted on a 6.0mm stake or metal rod.

TECHNICAL DATA

- Recommended working pressure: 1.5 - 3.0 kg/cm² (21 - 43 psi).
- Wetted diameter: 1.5 - 12.5m (5-41 ft.).
- Available tubes: 4/7 mm (0.157"x0.276") PE/PVC .
- Recommended filtration:
Nozzle size 0.8mm - 1.2mm : 200microns (80 mesh)
Nozzle size 1.4mm - 2.3mm: 500 microns (30 mesh)



Performance table HT-210 Medium Range Rotor at 2.0 kg/cm² (28 PSI)

Color Code	Nozzle Size		Flow Rate		Wetted Diameter		Precipitation (mm/hr) Spacing (m)		
	mm	inch	LPH	GPH	mtr.	ft.	3x3	3x4	4x4
Black	0.8	0.031"	34	9.0	5.5	18.0	3.8	2.8	
Purple	1.0	0.039"	52	13.7	6.0	19.7	5.8	4.3	3.3
Orange	1.2	0.047"	76	20.1	7.0	23.0	8.4	6.3	4.8
Blue	1.4	0.055"	102	26.9	7.6	24.9	11.3	8.5	6.4

* Tested under laboratory condition at 25cm (10 inch) height above ground.

Color Code Distribution Uniformity:

CDU < 75%	75% ≤ CDU < 80%	80% ≤ CDU < 85%	85% ≤ CDU < 90%	CDU ≥ 90%
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Nozzle Sizes			
0.8 mm	1.0 mm	1.2 mm	1.4 mm
			
0.031"	0.039"	0.047"	0.055"

Aquamic Assembly



Medium Range Rotor



Quick Thread
connection



Female Bayonet
connection

Performance table HT-210 Extra Range Rotor at 2.0 kg/cm² (28 PSI)

Color Code	Nozzle Size		Flow Rate		Wetted Diameter		Precipitation (mm/hr) Spacing (m)								
	mm	inch	LPH	GPH	mtr.	ft.	3x3	3x4	4x4	3x5	4x5	5x5	4x6	5x6	6x6
Blue	1.4	0.055"	102	26.9	9.5	31.2	11.2	8.4	6.3	6.7	5.1	4.0	4.2	3.4	
Yellow	1.6	0.063"	130	34.3	9.8	32.2	14.4	10.8	8.1	8.7	6.5	5.2	5.4	4.3	3.6
Green	1.8	0.071"	162	42.7	10.4	34.1	18.0	13.5	10.1	10.8	8.1	6.5	6.8	5.4	4.5
White	2.0	0.079"	198	52.2	10.8	35.4	22.0	16.5	12.4	13.2	9.9	7.9	8.3	6.6	5.5
Brown	2.3	0.091"	260	68.6	11.4	37.4	28.9	21.7	16.3	17.4	13.0	10.4	10.8	8.7	7.2

* Tested under laboratory condition at 25cm (10 inch) height above ground.

Color Code Distribution Uniformity:

CDU < 75%	75% ≤ CDU < 80%	80% ≤ CDU < 85%	85% ≤ CDU < 90%	CDU ≥ 90%
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Performance table HT-210 Inverted Rotor at 2.0 kg/cm² (28 PSI)

Color Code	Nozzle Size		Flow Rate		Wetted Diameter		Precipitation (mm/hr) Spacing (m)					
	mm	inch	LPH	GPH	mtr.	ft.	3x3	3x4	4x4	3x5	4x5	3x6
Purple	1.0	0.039"	52	13.7	9.0	29.5	5.7	4.3	3.2			
Orange	1.2	0.047"	76	20.1	9.0	29.5	8.4	6.3	4.7	5.1	3.8	
Blue	1.4	0.055"	102	26.9	10.0	31.2	11.4	8.6	6.4	6.8	5.1	5.7
Yellow	1.6	0.063"	130	34.3	10.5	32.2	14.4	10.8	8.1	8.7	6.5	7.2
Green	1.8	0.071"	162	42.7	11.5	34.1	17.9	13.5	10.1	10.8	8.1	9
White	2.0	0.079"	198	52.2	11.5	35.4	22.1	16.6	12.4	13.2	9.9	11
Brown	2.3	0.091"	260	68.6	12.5	37.4	29.1	21.8	16.3	17.4	13.1	14.5

* Tested under laboratory condition at 2m (6.5ft.) height above ground.

Color Code Distribution Uniformity:

CDU < 75%	75% ≤ CDU < 80%	80% ≤ CDU < 85%	85% ≤ CDU < 90%	CDU ≥ 90%
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Aquamic Assembly



Nozzle Sizes (HT-210 Extra Range Rotor)				
1.4 mm	1.6 mm	1.8 mm	2.0 mm	2.3 mm
0.055"	0.063"	0.071"	0.079"	0.091"

Nozzle Sizes (HT-210 Inverted Rotor)						
1.0 mm	1.2 mm	1.4 mm	1.6 mm	1.8 mm	2.0 mm	2.3 mm
0.039"	0.047"	0.055"	0.063"	0.071"	0.079"	0.091"

Performance table HT-210 Mist Sprayer at 2.0 kg/cm² (28 PSI)

Nozzle Color	Nozzle Size		Flow Rate		Mist Sprayer	
	mm	inch	LPH	GPH		
					mtr.	ft.
Black	0.8	0.031"	34	9.0	2.4	7.9
Purple	1.0	0.039"	52	13.7	2.6	8.5
Orange	1.2	0.047"	76	20.1	3.2	10.5
Blue	1.4	0.055"	102	26.9	3.4	11.2
Yellow	1.6	0.063"	130	34.3	4.2	13.8
Green	1.8	0.071"	162	42.7	4.6	15.1

Mist Sprayer for propogation layout

- Minimum installtion height : 1.0 mtr.
- Maximum spacing between units on lateral : 1.0 mtr.
- Maximum spacing between lateral : 1.0 mtr.
- Maximum distance of lateral from bench edge : 10 cm

Mist Sprayer Assembly



Mist Sprayer

