

2005 AquaMaster

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The most economical solution for undertree and overhead irrigation

- Extra-long range
- Particularly suitable for widely-spaced plantations (such as walnut, almond, avocado and mango)
- Simple, user-friendly structure
- Uniform coverage over a wide range of spacing, flow rates and pressures



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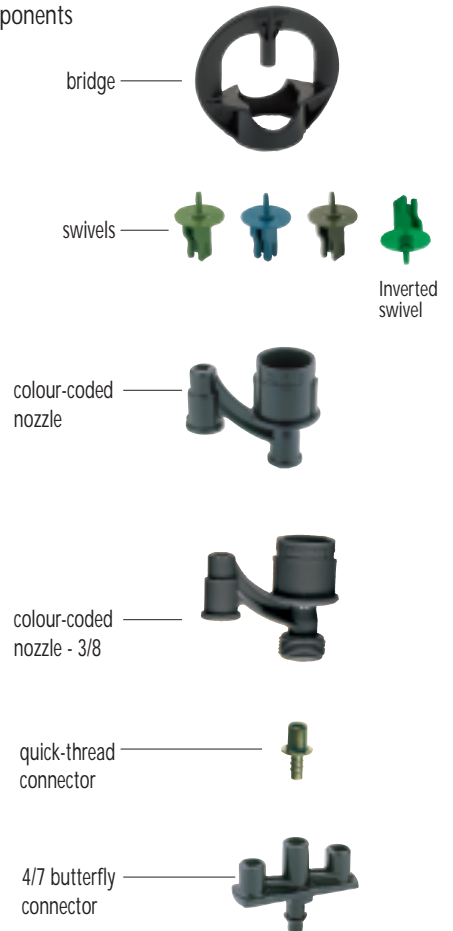
Features

- Insect-proof nozzle
- Large droplets
- Innovative spike
- Suitable also for overhead irrigation on Irristands for vegetables and nurseries (up to 6 x 6 m spacing)

Technical data

- Operating pressure: 1.5 to 3.0 bar
- Discharge: 30 to 365 l/h
- Diameter coverage : 5.5 to 13.0 m
- Filtration requirement: 130 micron for purple and brown nozzles
200 micron for other nozzles

Components



Flow rates and wetted diameter

Swivel colour	Nozzle colour	Nozzle ID mm	1.5 bar		2.0 bar*		2.5 bar	
			l/h	D (m)	l/h	D (m)	l/h	D (m)
Black	Violet	0.80	30.3	5.5	35	5.5	39.1	5.5
	Brown	0.94	43.3	6.5	50	6.5	55.9	6.5
Blue	Gray	1.14	60.6	7.0	70	7.0	78.3	7.0
	Green	1.40	90.9	8.0	105	9.0	117.4	9.0
Green	Orange	1.50	103.9	9.0	120	9.5	134.2	9.5
	Black	1.74	138.6	9.5	160	10.0	178.9	10.0
	Blue	1.94	173.2	10.5	200	10.5	223.6	11.0
	Yellow	2.16	215.0	10.5	250	11.5	305.0	12.0
	Red	2.36	260.0	12.0	300	12.5	365.0	12.5

*Tested at 0.25 m height

Inverted model - Flow rates and wetted diameters

Swivel colour	Nozzle colour	Nozzle ID mm	2.0 bar*	
			l/h	D (m)
Green	Violet	0.80	35	6.5
Inverted	Brown	0.94	50	7.5
	Gray	1.14	70	9.0
	Green	1.40	105	10.0
	Orange	1.50	120	10.5
	Black	1.74	160	11.0
	Blue	1.94	200	11.5

*Tested at 1.80 m height

Performance table for Irristand application

Swivel	Nozzle colour	Flow rate l/h	Precipitation (mm/h) spacing (m)			
			3x3 mm/h	4x4 mm/h	5x5 mm/h	6x6 mm/h
Green	Orange	120	13.3	7.5	4.8	3.3
	Black	160	17.8	10.0	6.4	4.4
	Blue	200	22.2	12.5	8.0	5.6
	Yellow	250	27.8	15.7	10.0	7.0
	Red	300	32.9	18.5	11.8	8.2

Tested at 0.6 m height and 2.0 bar pressure

Colour code - Distribution uniformity

□ CU < 85% □ CU = 85-88% □ CU = 89-92% □ CU > 93%