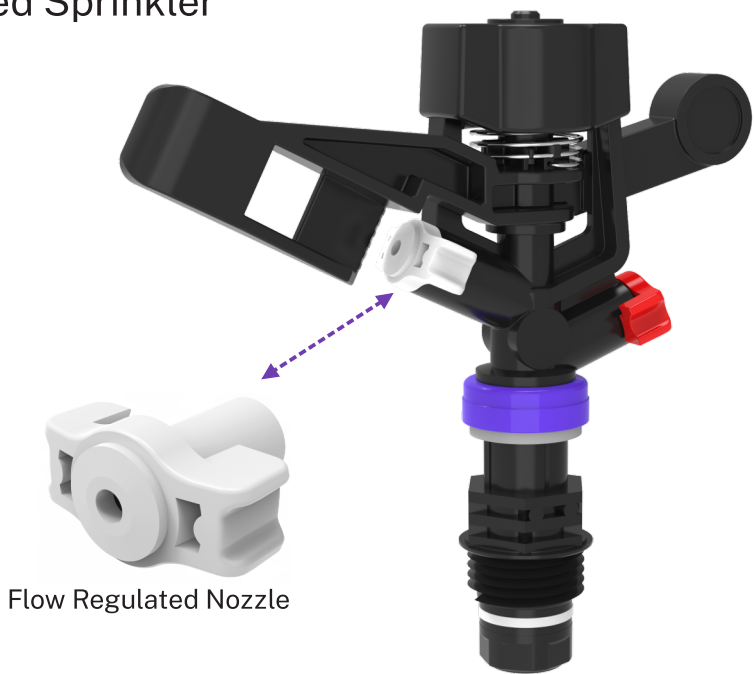


New

AQ-22 FR

Flow Regulated Sprinkler



Flow Regulated Nozzle

HIGHLIGHTS

- **Flow Regulating Nozzles:** Maintains almost a stable discharge across pressure variations, delivering uniform irrigation and improved crop yield.
- **Efficient solution for uneven land:** Gives consistent discharge even in undulating topography, e.g. Hillside plantation etc.
- **High Water Distribution Uniformity:** Ensures excellent and consistent coverage across large field, and long lateral lines.

TECHNICAL DATA

- **Connection Size :** 1/2" Male & 3/4" Female Thread
- **Pressure regulation range :** 2 - 4 kg/cm² (28-57 PSI)
- **Flow Rate Range :** 3 Different flow rates - 580 , 680 & 800 l/h (2.6 , 3.0 & 3.5 GPM)
- **Diameter of coverage :** 21.5 - 23.0 mtr. (70.5 - 75.5 ft.)
- **Trajectory Angle :** 24°

Comparison Between Regulated and Non-Regulated Sprinkler							
Sprinkler Type	Range Nozzle	Spray Nozzle	Average Flow rate, l/h				
			Pressure, kg/cm ²				
			2	2.5	3	3.5	4
Regulated	White	Red	547	567	577	590	605
Non-Regulated	Purple	Green	520	580	635	685	735
Regulated	Brown	Red	645	675	697	700	705
Non-Regulated	Orange	Green	610	680	745	805	860
Regulated	Violet	Red	755	778	803	820	838
Non-Regulated	Green	Green	725	810	890	960	1025



Performance Table (AQ-22 FR)

Nozzle Colour	Pressure Range		Flow Rate		Wetted DOC		Precipitation rate (mm/hr.) Rectangular Spacing (m)					
	kg/cm ²	PSI	LPH	GPM	mtr	ft	9 x 9	9 x 10	10 x 10	10 x 12	12 x 12	12 x 14
White + Red	2.0 - 4.0	28 - 57	580	2.6	21.5	70.5	7.2	6.5	5.8	4.8	4	3.5
Brown + Red	2.0 - 4.0	28 - 57	680	3.0	22.0	72.2	8.4	7.5	6.8	5.7	4.7	4
Violet + Red	2.0 - 4.0	28 - 57	800	3.5	23.0	75.5	9.9	8.9	8	6.7	5.6	4.8

Colour Codes of distribution of Uniformity

CDU < 75%	75% ≤ CDU < 80%	80% ≤ CDU < 85%	CDU ≥ 90%
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- Tested at 100cm (3ft.) height above the ground.
- Performance is based on ideal conditions of temperature, wind velocity and humidity.

