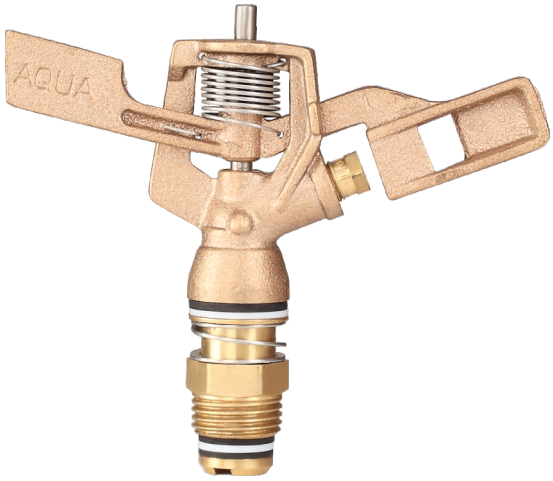
AQ-5LA

5LA7 | 5LA7W | 5LA15
½" BSP/ NPT Male threaded



The 5LA Series Undertree Sprinklers are low-volume, low-angle metal sprinklers designed specifically for efficient undertree irrigation across various crops, including bananas, vineyards, orchards, and plantations. Built with durable, high-quality materials, these sprinklers deliver reliable, targeted water distribution and operate efficiently at low pressures. Ideal for agricultural applications, each sprinkler in the 5LA Series is engineered to ensure effective water coverage and ease of installation, while meeting diverse irrigation needs.

HIGHLIGHTS

- **Threaded Connection:** 1/2" BSP/NPT male threading provides secure and leak-free attachment for all models.
- **Durable Construction:** The LA Series combines a sturdy bronze body and arm, heavy-duty brass nut and tube, and stainless steel pivot pin and springs for long-lasting performance and resilience in various field conditions.
- **Energy-Saving Design:** The AQ-5LA7W model includes a plastic wedge drive spool for efficient energy use, minimizing operational costs while maintaining effective water delivery.
- **Effective Coverage and Precision:** Available with low trajectory angles (7° or 15°) to ensure targeted, efficient undertree irrigation.

TECHNICAL DATA

- **Connection Size:** 1/2" BSP/NPT Male for all models
- **Nozzle Size:** 3.17mm (1/8")
- **Material:** Bronze body and arm, brass nut and tube, stainless steel pivot pin and springs
- **Recommended Pressure:** 2 - 4.5 kg/cm^2 or 1.5 - 4.0 kg/cm^2
- **Recommended spacing:** Up to 10m or 12m for high distribution uniformity
- AQ - 5LA7 Trajectory Angle: 7°
- AQ - 5LA7W Trajectory Angle: 7°
- AQ - 5LA15 Trajectory Angle: 15°

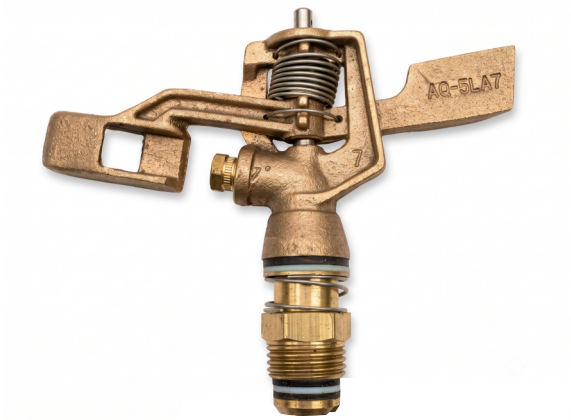


Performance Table (AQ-5LA7)

Nozzle Size		Pressure		Coverage Diameter		Flow Rate	
mm	inch	kg/cm²	PSI	mtr	ft	LPH	GPM
2.38	3/32"	2	28	15.5	50.8	325	1.4
		2.5	36	17	55.8	355	1.6
		3	43	18	59.0	390	1.7
		3.5	50	18.5	60.7	415	1.8
		4	57	19	62.3	445	2.0
		4.5	64	20	65.6	475	2.1
2.77	7/64"	2	28	16	52.5	450	2.0
		2.5	36	17.5	57.4	500	2.2
		3	43	19	62.3	535	2.4
		3.5	50	20	65.6	595	2.6
		4	57	21	68.9	620	2.7
		4.5	64	21.5	70.5	650	2.9
3.17	1/8"	2	28	16.5	54.1	575	2.5
		2.5	36	18	59.0	650	2.9
		3	43	19.5	64.0	695	3.1
		3.5	50	20.5	67.2	770	3.4
		4	57	21	68.9	805	3.5
		4.5	64	21.5	70.5	835	3.7
3.57	9/64"	2	28	17	55.8	710	3.1
		2.5	36	18.5	60.7	790	3.5
		3	43	19.5	64.0	865	3.8
		3.5	50	20	65.6	930	4.1
		4	57	20.5	67.2	1000	4.4
		4.5	64	21.5	70.5	1035	4.6

* Performance is based on ideal conditions of Temperature, wind velocity and Humidity.
• Tested at 100cm (3ft.) height above the ground.

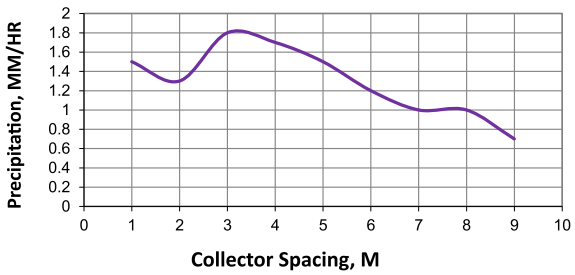
Spacing (m)	CU (%)	DU (%)	SC	PR (mm/hr)
8 x 8	95%	91%	1.1	11.1
9 x 9	88%	84%	1.2	8.8
10 x 10	85%	78%	1.5	7.1



AQ-5LA7

Nozzle Size: 3.57mm | Pressure: 2.0 kg/cm²

Distribution Curve



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Performance Table (AQ-5LA7 W)

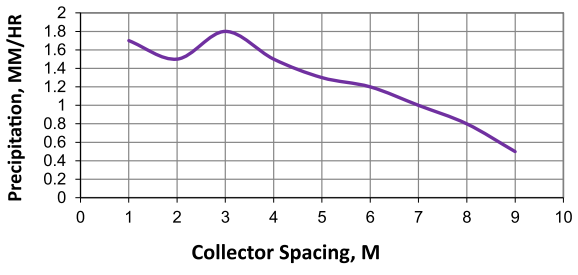
Nozzle Size		Pressure		Coverage Diameter		Flow Rate	
mm	inch	kg/cm²	PSI	mtr	ft	LPH	GPM
2.38	3/32"	1.5	21	13.8	45.3	300	1.3
		2	28	14.2	46.6	315	1.4
		2.5	36	15.4	50.5	345	1.5
		3	43	16.2	53.1	370	1.6
		3.5	50	17	55.8	400	1.8
		4	57	18.2	59.7	445	2.0
2.77	7/64"	1.5	21	14	45.9	405	1.8
		2	28	14.8	48.5	450	2.0
		2.5	36	16	52.5	500	2.2
		3	43	17.2	56.4	535	2.4
		3.5	50	18	59.0	595	2.6
		4	57	18.8	61.7	640	2.8
3.17	1/8"	1.5	21	14.2	46.6	515	2.3
		2	28	15	49.2	615	2.7
		2.5	36	16.2	53.1	650	2.9
		3	43	17.4	57.1	695	3.1
		3.5	50	18.4	60.4	770	3.4
		4	57	19.6	64.3	805	3.5
3.57	9/64"	1.5	21	14.8	48.5	580	2.6
		2	28	15.8	51.8	710	3.1
		2.5	36	17	55.8	790	3.5
		3	43	18.2	59.7	865	3.8
		3.5	50	19	62.3	930	4.1
		4	57	19.8	64.9	1000	4.4

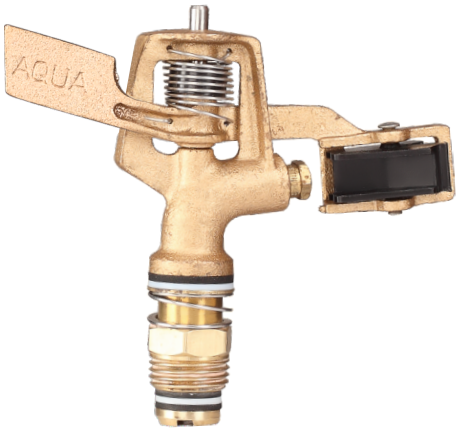
* Performance is based on ideal conditions of Temperature, wind velocity and Humidity.
• Tested at 100cm (3ft.) height above the ground.

Nozzle Size: 3.17mm | Pressure: 2.0 kg/cm²

Spacing (m)	CU (%)	DU (%)	SC	PR (mm/hr)
8 x 8	97%	95%	1.1	9.6
9 x 9	90%	87%	1.2	7.6
10 x 10	87%	82%	1.4	6.2

Distribution Curve





AQ-5LA7 W

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Performance Table (AQ - 5LA15)

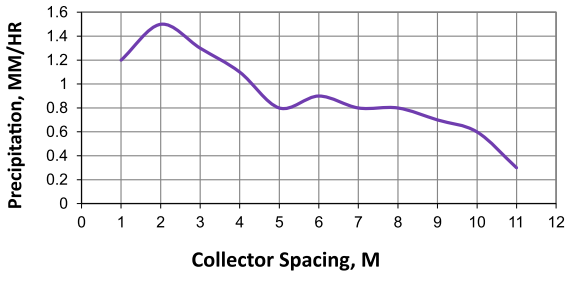
Nozzle Size		Pressure		Coverage Diameter		Flow Rate	
mm	inch	kg/cm²	PSI	mtr	ft	LPH	GPM
2.38	3/32"	2	28	19	62.3	325	1.4
		2.5	36	19.5	64.0	355	1.6
		3	43	20	65.6	390	1.7
		3.5	50	20.5	67.2	415	1.8
		4	57	21.5	70.5	445	2.0
		4.5	64	22.5	73.8	475	2.1
2.77	7/64"	2	28	20	65.6	450	2.0
		2.5	36	20.5	67.2	500	2.2
		3	43	21	68.9	535	2.4
		3.5	50	21.5	70.5	595	2.6
		4	57	22	72.2	620	2.7
		4.5	64	22.5	73.8	650	2.9
3.17	1/8"	2	28	20.5	67.2	575	2.5
		2.5	36	21	68.9	650	2.9
		3	43	21.5	70.5	695	3.1
		3.5	50	22	72.2	770	3.4
		4	57	22.5	73.8	805	3.5
		4.5	64	23	75.4	835	3.7
3.57	9/64"	2	28	21	68.9	710	3.1
		2.5	36	21.5	70.5	790	3.5
		3	43	22	72.2	865	3.8
		3.5	50	22.5	73.8	930	4.1
		4	57	23	75.4	1000	4.4
		4.5	64	24	78.7	1035	4.6

* Performance is based on ideal conditions of Temperature, wind velocity and Humidity.
- Tested at 100cm (3ft.) height above the ground.

Spacing (m)	CU (%)	DU (%)	SC	PR (mm/hr)
8 x 8	89%	79%	1.4	9.3
9 x 9	92%	89%	1.1	7.3
10 x 10	93%	88%	1.2	6.0
11 x 11	87%	77%	1.4	4.9
12 x 12	85%	77%	1.5	4.1

Nozzle Size: 2.77mm | Pressure: 3.5 kg/cm²

Distribution Curve



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