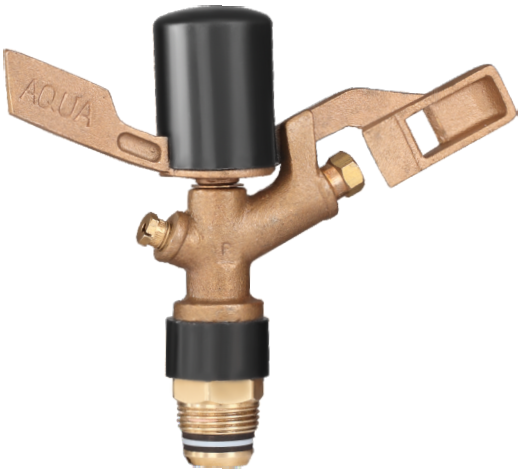
AQ - 20AF | AFLA

¾" BSP/NPT Male Thread

The AQ – 20 AF is a robust medium-flow metal sprinkler designed specifically for overhead irrigation in frost-prone conditions. Ideal for vineyards, orchards, and vegetable crops on solid set systems. Engineered for frost conditions, this sprinkler gives a robust performance and efficient irrigation while minimizing ice accumulation on both plants and the sprinkler itself.



HIGHLIGHTS

- **Robust Performer:** ¾" BSP/NPT male threaded connection
- Top and bottom springs are protected by a cap made of specialized material to withstand sub-zero temperatures and prevent ice build-up on the springs.
- **Durability:** bronze body and arm, with heavy-duty brass nut and tube for increased strength
- Bridgeless design to prevent ice accumulation on the sprinkler
- Stainless steel pivot pin and specially designed SS springs for rapid rotation, preventing ice formation on plant leaves.

TECHNICAL DATA

- Recommended operating pressure: 2.0 - 4.0 kg/cm^2 (30 - 55 psi)
- Suggested spacing: Up to 15m (50ft) for optimal distribution uniformity
- AQ-20 AF Trajectory Angle: 27^0
- AQ-20 AFLA Trajectory Angle: 7^0



Performance Table (AQ - 20AF)

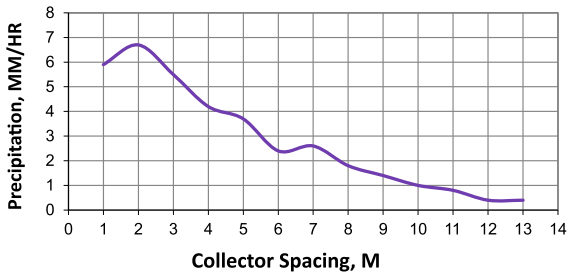
Nozzle Size		Pressure		Coverage Diameter		Flow Rate	
mm	inch	kg/cm²	PSI	mtr	ft	LPH	GPM
3.96 x Plug	5/32" x Plug	2	28	21.2	69.5	830	3.7
		2.5	36	22.6	74.1	935	4.1
		3	43	24.0	78.7	1045	4.6
		3.5	50	25.2	82.7	1150	5.1
		4	57	26.4	86.6	1205	5.3
3.96 x 2.38	5/32" x 7/64"	2	28	21.2	69.5	1375	6.1
		2.5	36	22.6	74.1	1495	6.6
		3	43	24.0	78.7	1645	7.2
		3.5	50	25.2	82.7	1770	7.8
		4	57	26.4	86.6	1900	8.4
4.36 x 3.17	11/64" x 1/8"	2	28	22.8	74.8	1470	6.5
		2.5	36	26.0	85.3	1645	7.2
		3	43	28.0	91.8	1775	7.8
		3.5	50	29.0	95.1	1910	8.4
		4	57	30.2	99.1	2050	9.0
4.76 x 3.17	3/16" x 1/8"	2	28	24.2	79.4	1650	7.3
		2.5	36	27.4	89.9	1835	8.1
		3	43	30.4	99.7	2000	8.8
		3.5	50	32.2	105.6	2155	9.5
		4	57	33.8	110.9	2315	10.2

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

Nozzle Size: 3.96x2.38 mm | Pressure: 4.0 kg/cm²

Spacing (m)	CU (%)	DU (%)	SC	PR (mm/hr)
10.0 x 10.0	94%	89%	1.3	19.0
11.0 x 11.0	91%	84%	1.3	15.7
12.0 x 12.0	93%	90%	1.2	13.2
13.0 x 13.0	95%	93%	1.1	11.2
14.0 x 14.0	93%	88%	1.2	9.7
15.0 x 15.0	89%	83%	1.3	8.4

Distribution Curve



Creating a Green World®

Performance Table (AQ - 20AFLA)

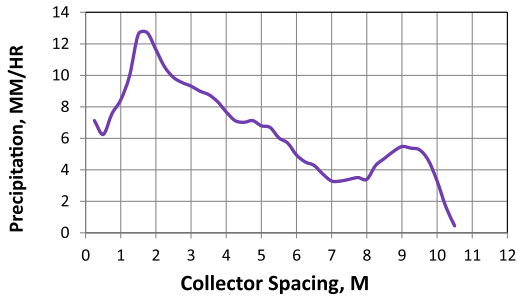
Nozzle Size		Pressure		Coverage Diameter		Flow Rate	
mm	inch	kg/cm²	PSI	mtr	ft	LPH	GPM
3.96 x 2.38	5/32" x 7/64"	2	28	18.0	59.0	1315	5.8
		3	43	21.0	68.9	1640	7.2
		4	57	23.0	75.4	1880	8.3
		5	71	25.5	83.6	2105	9.3
4.36 x 2.38	11/64" x 7/64"	2	28	18.0	59.0	1445	6.4
		3	43	21.5	70.5	1845	8.1
		4	57	23.0	75.4	2100	9.2
		5	71	25.5	83.6	2225	9.8
4.76 x 3.17	3/16" x 1/8"	2	28	18.5	60.7	1740	7.7
		3	43	22.0	72.2	2155	9.5
		4	57	23.5	77.1	2520	11.1
		5	71	28.0	91.8	2790	12.3
5.15 x 3.17	13/64" x 1/8"	2	28	18.5	60.7	1930	8.5
		3	43	22.0	72.2	2390	10.5
		4	57	24.0	78.7	2770	12.2
		5	71	28.5	93.5	3110	13.7

* 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)
9 x 9	89%	84%	1.3	20.25
10 x 10	89%	82%	1.3	16.40
11 x 11	83%	74%	1.3	13.55
12 x 12	81%	73%	1.4	11.39

Nozzle Size: 3.96x2.38 mm | Pressure: 3.0 kg/cm²

Distribution Curve





AQ - 20AFLA

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