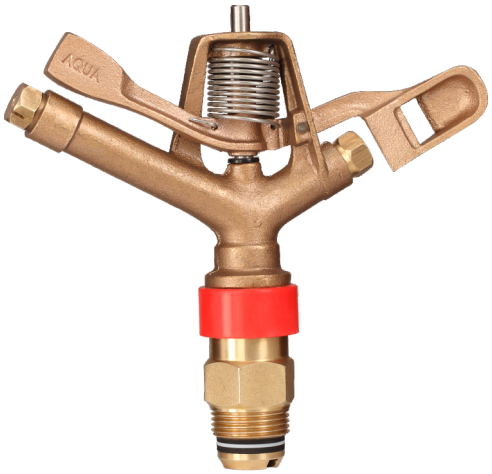
AQ - 30 | 30M | 30B

1” BSP/NPT Female Thread

A heavy-flow general-use overhead metal sprinkler designed for the efficient irrigation of various field crops compatible with overhead systems. Perfect for large-scale irrigation applications requiring a high flow rate and extensive coverage.



HIGHLIGHTS

- Available with 1" BSP/NPT female threading.
- Durable bronze body and arm, reinforced with heavy-duty brass nut, tube, and nozzles.
- Special dust cap to protect the bottom bearing from dirt and sand build-up.
- Stainless steel pivot pin and springs for enhanced reliability.

TECHNICAL DATA

- Recommended operating pressure: 2.5–5.0 kg/cm^2 (35–70 PSI)
- Recommended spacing up to 21 meters (70 feet) for superior distribution uniformity
- AQ - 30 Trajectory Angle: 27^0
- AQ - 30M Trajectory Angle:18^0
- AQ - 30B Trajectory Angle: 23^0



Performance Table (AQ-30)

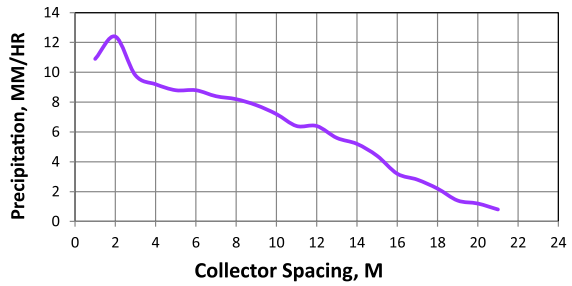
Nozzle Size		Pressure		Coverage Diameter		Flow Rate	
mm	inch	kg/cm^2	PSI	mtr	ft	m^3/hr	GPM
6.35 x 4.76	1/4" x 3/16"	2.5	36	38.0	124.6	3.7	16.2
		3.0	43	40.0	131.2	4.0	17.5
		3.5	50	41.5	136.1	4.3	19.1
		4.0	57	42.0	137.8	4.7	20.5
		4.5	64	42.5	139.4	4.9	21.8
		5.0	71	43.0	141.0	5.2	22.7
7.14 x 5.55	9/32" x 7/32"	2.5	36	39.0	127.9	4.6	20.2
		3.0	43	40.0	131.2	5.0	21.9
		3.5	50	41.5	136.1	5.3	23.4
		4.0	57	42.0	137.8	5.7	24.9
		4.5	64	43.0	141.0	6.1	26.9
		5.0	71	44.0	144.3	6.4	28.2
7.94 x 5.55	5/16" x 7/32"	2.5	36	40.0	131.2	5.2	22.8
		3.0	43	40.5	132.8	5.6	24.7
		3.5	50	41.5	136.1	6.0	26.6
		4.0	57	42.5	139.4	6.5	28.4
		4.5	64	43.5	142.7	6.8	30.1
		5.0	71	45.0	147.6	7.2	31.5
8.73 x 5.55	11/32" x 7/32"	2.5	36	41.0	134.5	6.4	28.2
		3.0	43	42.0	137.8	7.1	31.1
		3.5	50	43.0	141.0	7.6	33.6
		4.0	57	43.5	142.7	8.1	35.8
		4.5	64	44.0	144.3	8.6	38.1
		5.0	71	46.0	150.9	9.2	40.6

* 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)
R15 x 15	98%	97%	1	28.7
R18 x 18	94%	92%	1.1	19.9
R21 x 21	93%	90%	1.1	14.6

Nozzle Size: 7.94x5.55 mm | Pressure: 4.0 kg/cm^2

Distribution Curve



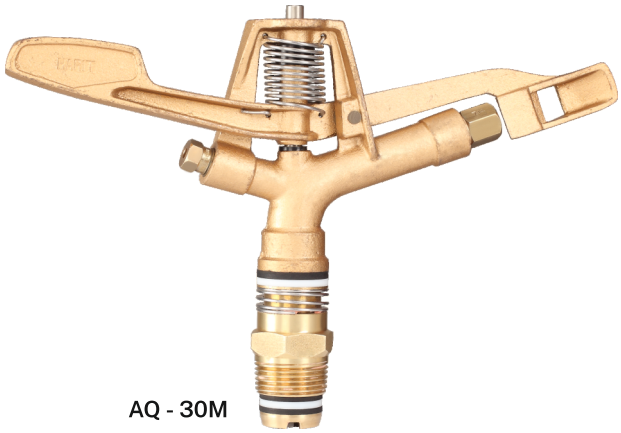
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Performance Table (AQ - 30M)

Nozzle Size		Pressure		Coverage Diameter		Flow Rate	
mm	inch	kg/cm^2	PSI	mtr	ft	m^3/hr	GPM
6.35 x 4.76	1/4" x 3/16"	2.5	36	35.5	116.4	3.7	16.2
		3.0	43	36.0	118.1	4.0	17.5
		3.5	50	36.5	119.7	4.3	19.1
		4.0	57	37.5	123.0	4.7	20.5
		4.5	64	38.0	124.6	4.9	21.8
		5.0	71	39.0	127.9	5.2	22.7
7.14 x 4.55	9/32" x 7/32"	2.5	36	36.0	118.1	4.6	20.2
		3.0	43	37.0	121.4	5.0	21.9
		3.5	50	38.0	124.6	5.3	23.4
		4.0	57	39.5	129.6	5.7	24.9
		4.5	64	41.0	134.5	6.1	26.9
		5.0	71	42.0	137.8	6.4	28.2
7.94 x 5.55	5/16" x 7/32"	2.5	36	38.0	124.6	5.2	22.8
		3.0	43	40.0	131.2	5.6	24.7
		3.5	50	41.0	134.5	6.0	26.6
		4.0	57	41.5	136.1	6.5	28.4
		4.5	64	43.0	141.0	6.8	30.1
		5.0	71	45.0	147.6	7.2	31.5
8.73 x 5.55	11/32" X 7/32"	2.5	36	39.0	127.9	6.4	28.2
		3.0	43	40.0	131.2	7.1	31.1
		3.5	50	42.0	137.8	7.6	33.6
		4.0	57	43.0	141.0	8.1	35.8
		4.5	64	44.0	144.3	8.6	38.1
		5.0	71	44.5	146.0	9.2	40.3

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

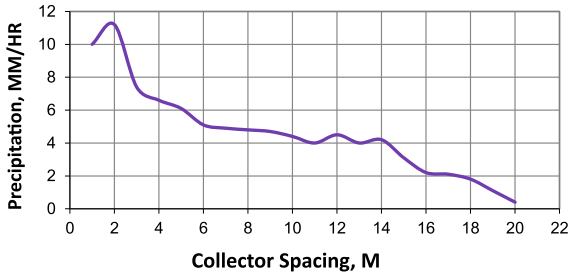
Spacing (m)	CU (%)	DU (%)	SC	PR (mm/hr)
15 x 15	93%	91%	1.1	28.7
18 x 18	90%	87%	1.2	19.9
21 x 21	90%	87%	1.1	14.6



AQ - 30M

Nozzle Size: 7.94x5.55 mm | Pressure: 4.0 kg/cm^2

Distribution Curve



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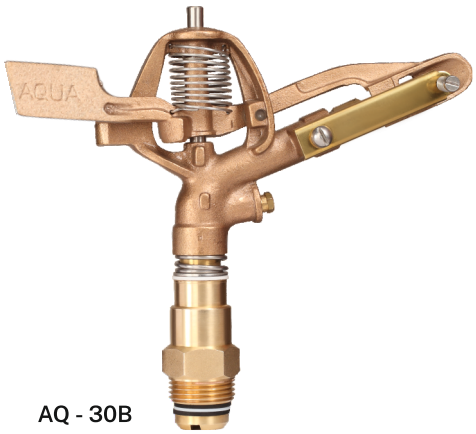
Performance Table (AQ - 30B)

Nozzle Size		Pressure		Coverage Diameter		Flow Rate	
mm	inch	kg/cm²	PSI	mtr	ft	m³/hr	GPM
6.35 x 3.17	1/4" x 1/8"	2.5	36	31.6	103.6	3.1	13.5
		3	43	32.8	107.6	3.4	14.8
		3.5	50	33.4	109.6	3.6	15.7
		4	57	35.0	114.8	3.8	16.7
		4.5	64	36.2	118.7	4.0	17.8
		5	71	37.4	122.7	4.3	18.8
7.14 x 3.17	9/32" x 1/8"	2.5	36	33.0	108.2	3.6	15.7
		3	43	34.2	112.2	3.9	17.3
		3.5	50	35.0	114.8	4.2	18.3
		4	57	36.4	119.4	4.5	19.6
		4.5	64	37.2	122.0	4.8	21.0
		5	71	38.4	126.0	5.0	22.1
7.94 x 3.17	5/16" x 1/8"	2.5	36	34.8	114.1	4.2	18.5
		3	43	35.6	116.8	4.5	19.9
		3.5	50	36.4	119.4	4.8	21.1
		4	57	37.2	122.0	5.2	22.8
		4.5	64	38.6	126.6	5.6	24.4
		5	71	40.0	131.2	5.8	25.7
8.73 x 3.17	11/32" x 1/8"	2.5	36	36.0	118.1	4.7	20.8
		3	43	37.0	121.4	5.1	22.5
		3.5	50	38.2	125.3	5.4	23.8
		4	57	39.6	129.9	5.9	25.8
		4.5	64	40.4	132.5	6.1	27.1
		5	71	42.0	137.8	6.6	28.9

*Performance is based on ideal conditions of Temperature, wind velocity and Humidity.

- Tested at 100cm (3ft.) height above the ground.

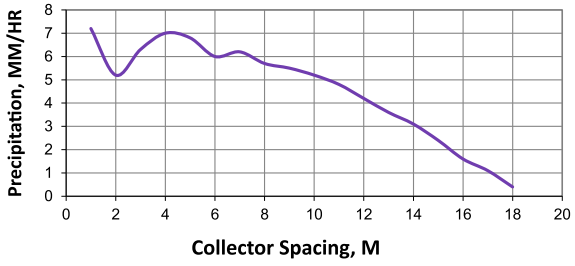
Spacing (m)	CU (%)	DU (%)	SC	PR (mm/hr)
R15 x 15	95%	92%	1.1	17
R18 x 18	89%	83%	1.4	11.8
R21 x 21	92%	85%	1.4	8.6



AQ - 30B

Nozzle Size: 6.35x3.17mm | Pressure: 4.0 kg/cm²

Distribution Curve



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