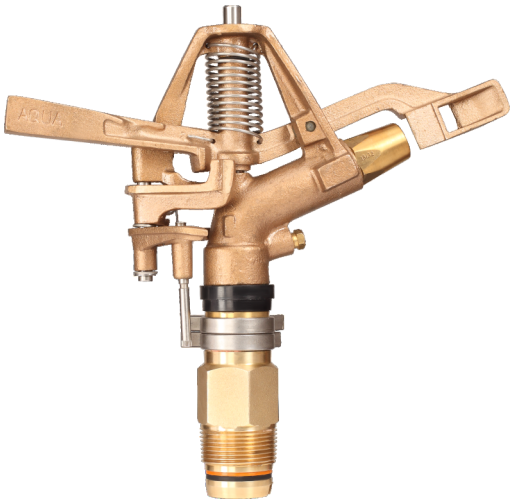
AQ - 40BPC

1¼” BSP/NPT Male Threaded



The AQ-40BPC Impact Sprinkler is designed for high-performance irrigation in full-field applications, making it ideal for use in hose reel systems, water reclamation, wastewater treatment, mining, and dust control. This durable and reliable part-circle sprinkler features a 1¼" BSP/NPT male threaded connection and is available with a 23° trajectory angle for general irrigation and an 18° model for center pivot end applications. Built for long-term usage, this sprinkler ensures efficient water distribution with minimal wear and tear, even in demanding environments.

HIGHLIGHTS

- **Threaded Connection:** 1¼” BSP/NPT Male Threaded
- **Full-Field Irrigation:** Ideal for large-scale agricultural irrigation systems such as hose reels.
- **Water Management and Dust Control:** Suitable for water reclamation, wastewater treatment, mining, and dust suppression tasks.
- **Durable Construction:** Bronze body, arm, and trip assembly with heavy-duty brass components for longevity.
- **Robust Design:** Features stainless steel pivot pin, springs, and bearing assembly protected by a cap for added durability.
- **Wear Resistance:** PU thrust pad enhances impact wear resistance, ensuring smooth operation.

TECHNICAL DATA

- Connection Size: 1¼” BSP/NPT male Threaded.
- Versatile Trajectory Options: Available in 23° for full-field irrigation and 18° for centre pivot end applications.
- Wide Coverage: Recommended spacing of up to 30 meter for superior distribution uniformity.
- Optimal Pressure Range: Operates efficiently within a pressure range of 3.5 to 6.0 kg/cm^2 (50 to 85 psi)



Performance Table (AQ - 40BPC)

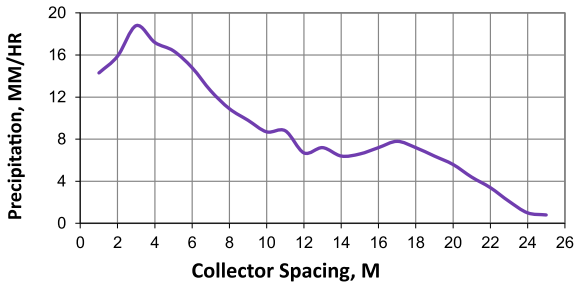
Nozzle Size		Pressure		Coverage Diameter		Flow Rate	
mm	inch	kg/cm^2	PSI	mtr	ft	m^3/hr	GPM
9.53 x 5.55	3/8" x 7/32"	4	57	45.0	147.6	8.3	36.7
		4.5	64	46.6	152.8	8.7	38.5
		5	71	47.8	156.8	9.2	40.6
		5.5	78	49.2	161.4	9.7	42.9
		6	85	51.8	169.9	10.3	45.1
10.32 x 5.55	13/32" x 7/32"	4	57	47.8	156.8	10.5	46.2
		4.5	64	49.6	162.7	11.0	48.3
		5	71	51.4	168.6	11.6	50.9
		5.5	78	53.8	176.5	12.1	53.2
		6	85	55.0	180.4	12.8	56.4
12.70 x 6.35	1/2" x 1/4"	4	57	51.0	167.3	14.8	65.3
		4.5	64	53.0	173.8	15.6	68.6
		5	71	55.2	181.1	16.5	72.8
		5.5	78	57.0	187.0	16.8	74.1
		6	85	58.8	192.9	18.1	79.6
15.87 x 6.35	5/8" x 1/4"	4	57	55.0	180.4	20.7	91.3
		4.5	64	57.6	188.9	21.7	95.7
		5	71	59.4	194.8	23.5	103.6
		5.5	78	62.4	204.7	24.7	108.6
		6	85	64.6	211.9	25.9	114.2

* 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)
21.0 x 21.0	92%	88%	1.2	26.2
24.0 x 24.0	87%	78%	1.4	20.1
27.0 x 27.0	90%	84%	1.2	15.9
30.0 x 30.0	91%	87%	1.2	12.8

Nozzle Size: 10.32x5.55 mm | Pressure: 5.0 kg/cm^2

Distribution Curve



Creating a Green World®