AQ - 40G (Penguin)

1¼” BSP/NPT -Rain Gun

AQ-40G High-Performance Water Gun for Large-Scale Irrigation

The AQ-40G (PENGUIN) Overhead Sprinkler is a heavy-duty Water Gun designed for efficient and uniform irrigation of large fields. Its versatile design makes it suitable for a wide range of crops, including:



HIGHLIGHTS

- Threaded Connection: 1¼” BSP/NPT Female Threaded
- Field Crops: Sugarcane, maize, barley, pulses, wheat, cotton, and more.
- Plantations: Tea, coffee, and rubber.
- Vegetables: Tomatoes, chili, brinjal, potato, onion, ginger, turmeric, and garlic.
- Fruits: Citrus, apples, grapes, and berries.
- Pastures: Grass and forage crops.
- Horticulture: Flowers, shrubs, and trees.
- Dust Suppression: Effective for controlling dust in various applications.
- Available in Full circle and Part Circle models suitable for both full field and edge irrigation.
- Aluminium Pressure die-cast body and arm, heavy-duty brass components, and stainless steel hardware ensure long-lasting performance.
- Jet breaker screw allows for adjustment between heavy droplets and fine spray, tailoring water application to specific needs.

TECHNICAL DATA

- Connection Size: 1¼” BSP/NPT Female Threaded.
- Recommended operating pressure of 2.0-5.0 kg/cm^2 (30-70 psi) for optimal performance.
- Recommended spacing up to 30m (100ft) for effective water distribution across large areas.
- Water discharge ranges from 106 LPM to 311 LPM, depending on water pressure and nozzle size.
- Trajectory Angle: 30^0



Performance Table (AQ - 40G)

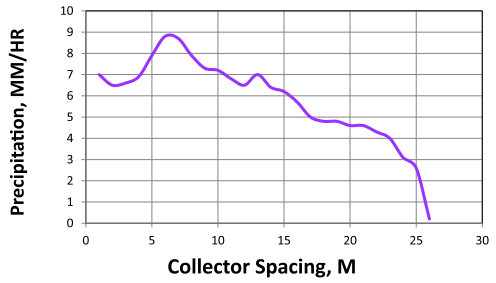
Nozzle Size	Pressure		Coverage Diameter		Flow Rate	
mm	kg/cm²	PSI	mtr	ft	m³/hr	GPM
10 x 4	2	28	38.0	124.6	6.4	28.0
	3	43	42.0	137.8	7.8	34.3
	4	57	45.0	147.6	9.1	39.9
	5	71	47.0	154.2	10.2	44.9
12 x 4	2	28	42.0	137.8	8.9	39.4
	3	43	47.0	154.2	10.9	48.1
	4	57	52.0	170.6	12.7	55.7
	5	71	56.0	183.7	14.2	62.3
14 x 4	2	28	45.0	147.6	11.8	52.0
	3	43	48.0	157.4	14.5	63.7
	4	57	54.0	177.1	16.7	73.4
	5	71	58.0	190.2	18.7	82.2

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

Nozzle Size: 12x4mm | Pressure: 4.0 kg/cm²

Spacing (m)	CU (%)	DU (%)	SC	PR (mm/hr)
24.0 x 24.0	90%	86%	1.2	22.0
27.0 x 27.0	85%	78%	1.6	17.4
30.0 x 30.0	88%	79%	1.8	14.1

Distribution Curve





Creating a Green World®