AQ - 44G (Flamingo)

2” BSP/NPT -Rain Gun



AQ-44G - 2" Powerful Water Gun for Large-Scale Irrigation

The AQ-44G Overhead Water Gun is a high-performance irrigation tool designed for efficient and uniform water distribution across large fields. Its versatility makes it suitable for a wide range of crops, including:

HIGHLIGHTS

- Threaded Connection: 2” BSP/NPT Female Threaded
- Field Crops: Sugarcane, maize, barley, pulses, wheat, cotton, and more.
- Plantations: Tea, coffee, and rubber.
- Vegetables, Fruits, Pastures, and Horticulture
- Dust Suppression: Effective for controlling dust in various applications.
- Available in both full circle and part circle models to accommodate different field shapes.
- Full-length stream straightener in high grade aluminium pipe ensure a large area coverage.
- Durable construction using Heavy-duty brass components, stainless steel hardware, and engineering plastic parts, provides long-lasting performance.
- Jet breaker screw allows for customization of water droplet size, tailoring irrigation to specific needs.

TECHNICAL DATA

- Connection Size: 2” BSP/NPT Female Threaded.
- Recommended operating pressure of 2.0-6.0 kg/cm^2 (30-85 psi) for efficient performance.
- Wide Coverage: Recommended spacing up to 40m (130ft) for effective water distribution across large areas.
- Trajectory Angle: 27^0



Performance Table (AQ - 44G)

Nozzle Size	Pressure		Coverage Diameter		Flow Rate	
mm	kg/cm²	PSI	mtr	ft	m³/hr	GPM
14 x 8 x 4	2	28	52	171	13.9	61.3
	3	43	62	203	17.1	75.3
	4	57	66	216	19.7	86.7
	5	71	70	230	22.0	96.7
16 x 8 x 4	2	28	58	190	17.1	75.3
	3	43	66	216	20.9	91.9
	4	57	72	236	24.1	106.2
	5	71	76	249	26.8	118.1
18 x 8 x 4	2	28	62	203	20.7	91.1
	3	43	70	230	26.3	115.7
	4	57	78	256	30.4	133.9
	5	71	82	269	33.8	148.7

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

Nozzle Size: 16x8x4 mm | Pressure: 3.0 kg/cm²

Spacing (m)	CU (%)	DU (%)	SC	PR (mm/hr)
26.0 x 26.0	89%	83%	1.2	30.89
28.0 x 28.0	86%	81%	1.3	26.63
30.0 x 30.0	85%	79%	1.3	23.20
32.0 x 32.0	85%	77%	1.4	20.39
34.0 x 34.0	81%	96%	1.4	18.06

CU: Coefficient of Distribution Uniformity
DU: Distribution Uniformity
SC: Scheduling Coefficient
PR: Precipitation Rate

Distribution Curve



