AQ - 42G (Pelican)

1½” BSP/NPT -Rain Gun

AQ-42G Efficient and Versatile Water gun for Large-Scale Irrigation

The AQ-42G (Pelican) Overhead water gun is a powerful irrigation tool designed for efficient and uniform water distribution across large fields. Its versatile design makes it suitable for a wide range of crops, including:



HIGHLIGHTS

- Threaded Connection: 1½” 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 both full circle and part circle models, catering to different field shapes and sizes.
- Aluminium Pressure die-cast body and arm, heavy-duty brass components, and stainless steel hardware ensure long-lasting performance.
- Jet breaker screw allows for customization of water droplet size, providing flexibility for various crop types.

TECHNICAL DATA

- Connection Size: 1½” 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 36m (120ft) for effective water distribution across large areas.
- Water discharge ranges from 152 LPM to 391 LPM, depending on water pressure and nozzle size.
- Trajectory Angle: 23^0



Performance Table (AQ - 42G)

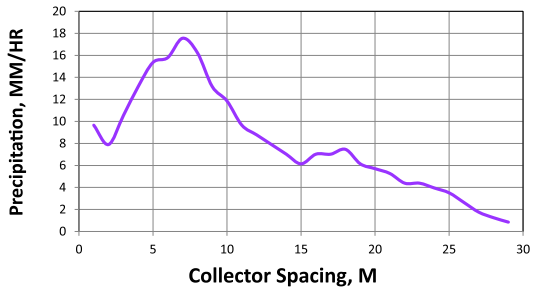
Nozzle Size	Pressure		Coverage Diameter		Flow Rate	
mm	kg/cm²	PSI	mtr	ft	m³/hr	GPM
12 x 5	2	28	40.0	131.2	9.1	40.2
	3	43	48.0	157.4	10.9	48.1
	4	57	54.0	177.1	12.7	55.7
	5	71	60.0	196.8	14.2	62.3
14 x 5	2	28	42.0	137.8	11.7	51.5
	3	43	50.0	164.0	14.3	63.1
	4	57	58.0	190.2	16.6	73.2
	5	71	62.0	203.4	18.5	81.6
16 x 5	2	28	44.0	144.3	14.8	65.3
	3	43	52.0	170.6	18.2	80.0
	4	57	60.0	196.8	21.1	92.7
	5	71	66.0	216.5	23.5	103.3

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

Nozzle Size: 14x5mm | Pressure: 4.0 kg/cm²

Spacing (m)	CU (%)	DU (%)	SC	PR (mm/hr)
24.0 x 24.0	95%	93%	1.1	28.9
27.0 x 27.0	91%	83%	1.3	22.8
30.0 x 30.0	88%	81%	1.5	18.5
33.0 x 33.0	90%	85%	1.3	15.3
36.0 x 36.0	86%	80%	1.2	12.8

Distribution Curve





Creating a Green World®