

# AQ - 42G (PELICAN)

## Water Guns



### Application

- Suitable for Overtree irrigation for coffee, Tea, sugarcane, fodder crop, landscape and horticulture also for pastures and dust suppression.
- It can be applied to all kind of land and cultivation.
- Designed for both full field and irrigation of field edges.

### Features

- Available in 1-1/2" BSP/NPT Female threaded
- Aluminium Pressure die casted Body and arm.
- Heavy duty brass nut, tube, nozzles & Diffusor Screw.
- Stainless Steel Pivot Pin, springs, Nut and bolt.
- Plastic parts made of engineering plastic for durability.
- Available both Full Circle & Part -circle design.
- Jet breaker screw to change the water jet from heavy droplets to fine spray.
- Recommended Pressure 2.0 - 5.0 kg/cm<sup>2</sup> or 30 - 70Psi
- Recommended spacing up to 36m for higher distribution uniformity.
- Trajectory Angle: 23°

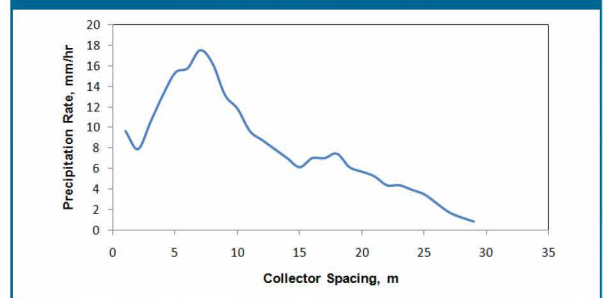
### Performance Table

| Nozzle (mm) | Pressure           |       | Coverage Diameter |        | Discharge Rate |        |
|-------------|--------------------|-------|-------------------|--------|----------------|--------|
|             | kg/cm <sup>2</sup> | Psi   | mtr.              | ft.    | LPM            | GPM    |
| 12 x 5      | 2                  | 28.44 | 40                | 131.20 | 152            | 40.15  |
|             | 3                  | 42.66 | 48                | 157.44 | 182            | 48.07  |
|             | 4                  | 56.88 | 54                | 177.12 | 211            | 55.73  |
|             | 5                  | 71.1  | 60                | 196.80 | 236            | 62.33  |
| 14 x 5      | 2                  | 28.44 | 42                | 137.76 | 195            | 51.51  |
|             | 3                  | 42.66 | 50                | 164.00 | 239            | 63.13  |
|             | 4                  | 56.88 | 58                | 190.24 | 277            | 73.16  |
|             | 5                  | 71.1  | 62                | 203.36 | 309            | 81.62  |
| 16 x 5      | 2                  | 28.44 | 44                | 144.32 | 247            | 65.24  |
|             | 3                  | 42.66 | 52                | 170.56 | 303            | 80.03  |
|             | 4                  | 56.88 | 60                | 196.80 | 351            | 92.71  |
|             | 5                  | 71.1  | 66                | 216.48 | 391            | 103.28 |

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

Nozzle Size: 14 x 5mm Pressure: 4.0kg/cm<sup>2</sup>

### Distribution Curve



| Spacing      | CU  | DU  | SC(5%) | APR  |
|--------------|-----|-----|--------|------|
| R24.0 x 24.0 | 95% | 93% | 1.1    | 27.1 |
| R27.0 x 27.0 | 91% | 83% | 1.3    | 21.4 |
| R30.0 x 30.0 | 88% | 81% | 1.5    | 17.3 |
| R33.0 x 33.0 | 90% | 85% | 1.3    | 14.3 |
| R36.0 x 36.0 | 86% | 80% | 1.2    | 12   |



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