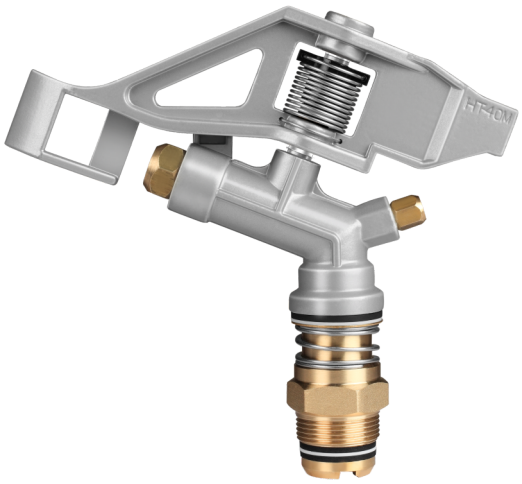
# AQ - 40M

## 1¼” BSP/NPT Male Threaded

**Lightweight and Efficient Sprinkler for Over-Tree Irrigation**
Designed for efficient over-tree irrigation of tea, coffee plantations, fodder crops, pastures, and horticulture, the AQ-40M Heavy Flow Overhead Aluminium Sprinkler offers a durable and reliable solution.



## HIGHLIGHTS

- Threaded Connection: 1¼” BSP/NPT Male Threaded
- Made from aluminium for a lightweight yet robust design, reducing installation and maintenance efforts.
- Heavy-duty brass nut, tube, and nozzles ensure efficient and uniform water distribution.
- Stainless steel pivot pin and springs, along with engineering plastic parts, provide long-lasting performance.

## TECHNICAL DATA

- Connection Size: 1¼” BSP/NPT male Threaded.
- Recommended operating pressure of 2.5-5.0 kg/cm$^2$ (35-70 psi) for efficient water delivery.
- Recommended spacing up to 24m (80ft) for optimal distribution uniformity across large areas.
- Trajectory angle 22° for precise water application to trees and crops.



# Performance Table ( AQ - 40M )

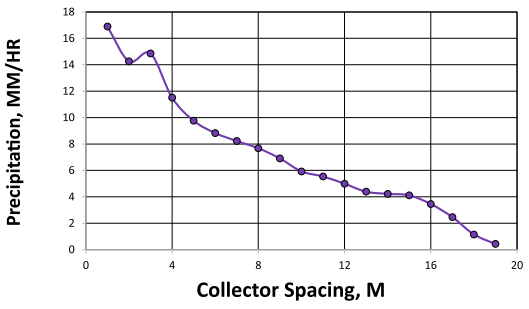
| Nozzle Size | | Pressure | | Coverage Diameter | | Flow Rate | |
|---|---|---|---|---|---|---|---|
| mm | inch | kg/cm$^2$ | PSI | mtr | ft | m$^3$/hr | GPM |
| 9.53 x 5.55 | 3/8" x 7/32" | 2.5 | 36 | 39.0 | 127.9 | 7.2 | 31.9 |
| | | 3.5 | 50 | 42.0 | 137.8 | 7.8 | 34.1 |
| | | 4.5 | 64 | 47.2 | 154.8 | 8.7 | 38.5 |
| | | 5 | 71 | 48.2 | 158.1 | 9.2 | 40.6 |
| 10.32 x 5.55 | 13/32" x 7/32" | 2.5 | 36 | 43.0 | 141.0 | 9.3 | 41.0 |
| | | 3.5 | 50 | 46.0 | 150.9 | 9.9 | 43.6 |
| | | 4.5 | 64 | 50.4 | 165.3 | 11.0 | 48.3 |
| | | 5 | 71 | 52.4 | 171.9 | 11.6 | 50.9 |
| 12.70 x 6.35 | 1/2" x 1/4" | 2.5 | 36 | 45.0 | 147.6 | 13.1 | 57.7 |
| | | 3.5 | 50 | 49.0 | 160.7 | 14.6 | 64.3 |
| | | 4.5 | 64 | 54.2 | 177.8 | 15.6 | 68.6 |
| | | 5 | 71 | 56.0 | 183.7 | 16.5 | 72.8 |
| 13.49 x 6.35 | 17/32" x 1/4" | 2.5 | 36 | 48.0 | 157.4 | 14.4 | 63.2 |
| | | 3.5 | 50 | 52.0 | 170.6 | 16.3 | 71.7 |
| | | 4.5 | 64 | 55.8 | 183.0 | 17.2 | 75.7 |
| | | 5 | 71 | 58.0 | 190.2 | 18.1 | 79.8 |

* 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) |
|---|---|---|---|---|
| 18.0 x 18.0 | 91% | 85% | 1.2 | 22.3 |
| 21.0 x 21.0 | 92% | 88% | 1.2 | 16.4 |
| 24.0 x 24.0 | 89% | 84% | 1.2 | 12.6 |

Nozzle Size: 9.53x5.55 mm | Pressure: 2.5 kg/cm$^2$

**Distribution Curve**






Creating a Green World®