

New

AQ - 22 G | 22W

1/2" BSP/NPT Male Thread

The AQ 22G Impact Sprinkler is a highly efficient plastic impact sprinkler designed specifically for irrigation and crop germination, for vegetables, flowers, and nursery plants. Available in 1/2" Male connection size with multiple nozzle sizes, the AQ 22G is versatile sprinkler designed for precision, durability, and ease of use.



HIGHLIGHTS

- **Uniform Water Distribution:** Ensures even coverage with single or dual nozzles, of area up to 14 meter, making it suitable for a wide range of applications.
- **Reduced Clogging:** Specially designed to resist clogging, enhancing reliability in various soil conditions.
- **High Wind Resistance:** Maintains performance even in windy environments, ensuring uninterrupted irrigation.
- **Efficient Germination:** Ideal for short irrigation cycles, tailored to promote efficient germination processes.
- **Convenient Maintenance:** Equipped with color-coded bayonet nozzles for easier identification, cleaning, and service.
- **Durability:** Constructed from heavy-duty, high-impact plastic that resists corrosion, chemicals, and radiation, ensuring a long lifespan and reducing replacement costs.

TECHNICAL DATA

- Pressure range : 2 - 4 kg/cm² (28 - 57 psi.)
- Flow rate range : 520 - 1500 l/h (2.3 - 6.6 gpm.)
- Diameter of coverage : 22.6 - 25.5 mtr (74 -84 ft.)
- AQ-22G : Trajectory Angle: 24°
- AQ-22W: Trajectory Angle: 24°



Performance Table (AQ-22G)

| Nozzle Colour & Size | | Pressure | | Coverage Diameter | | Flow Rate | | Precipitation Rate (mm/hr.) / Spacing (m) | | | | |
|------------------------------------|---|--------------------|------|-------------------|------|-----------|-----|---|---------|---------|---------|---------|
| mm | inch | kg/cm ² | PSI | mtr | ft | LPH | GPM | 10 x 10 | 10 x 12 | 12 x 12 | 12 x 14 | 14 x 14 |
| 2.5 Purple x 1.8 Green | 13/128" Purple x 9/128" Green | 2.0 | 28 | 22.6 | 74.1 | 520 | 2.3 | 5.3 | 4.4 | 3.7 | | |
| | | 2.5 | 36 | 22.8 | 74.8 | 580 | 2.6 | 5.7 | 4.8 | 4 | | |
| | | 3.0 | 43 | 22.8 | 74.8 | 635 | 2.8 | 6.3 | 5.2 | 4.3 | | |
| | | 3.5 | 50 | 23.0 | 75.5 | 685 | 3.0 | 6.3 | 5.3 | 4.4 | | |
| | | 4.0 | 57 | 23.0 | 75.5 | 735 | 3.2 | 7.4 | 6.1 | 5.1 | | |
| 2.9 Orange x 1.8 Green | 7/64" Orange x 9/128" Green | 2.0 | 28 | 22.8 | 74.8 | 610 | 2.7 | 6.2 | 5.1 | 4.3 | | |
| | | 2.5 | 36 | 23.0 | 75.5 | 680 | 3.0 | 6.8 | 5.7 | 4.7 | | |
| | | 3.0 | 43 | 23.0 | 75.5 | 745 | 3.3 | 7.5 | 6.2 | 5.2 | 4.4 | |
| | | 3.5 | 50 | 23.2 | 76.1 | 805 | 3.5 | 8.1 | 6.7 | 5.6 | 4.8 | 4.1 |
| | | 4.0 | 57 | 23.2 | 76.1 | 860 | 3.8 | 8.7 | 7.2 | 6 | 5.2 | 4.4 |
| 3.2 Green x 1.8 Green | 1/8" Green x 9/128" Green | 2.0 | 28 | 23.0 | 75.5 | 725 | 3.2 | 7.2 | 6 | 5 | 4.3 | 3.7 |
| | | 2.5 | 36 | 23.4 | 76.8 | 810 | 3.6 | 8.1 | 6.7 | 5.6 | 4.8 | 4.1 |
| | | 3.0 | 43 | 23.8 | 78.1 | 890 | 3.9 | 8.9 | 7.4 | 6.2 | 5.3 | 4.6 |
| | | 3.5 | 50 | 24.0 | 78.7 | 960 | 4.2 | 9.6 | 8 | 6.7 | 5.7 | 4.9 |
| | | 4.0 | 57 | 24.0 | 78.7 | 1025 | 4.5 | 10.2 | 8.5 | 7.1 | 6.1 | 5.2 |
| 3.5 Blue x 1.8 Green | 9/64" Blue x 9/128" Green | 2.0 | 28 | 23.4 | 76.8 | 840 | 3.7 | 8.4 | 7 | 5.8 | 5 | 4.3 |
| | | 2.5 | 36 | 23.8 | 78.1 | 940 | 4.1 | 9.4 | 7.8 | 6.5 | 5.6 | 4.8 |
| | | 3.0 | 43 | 24.4 | 80.1 | 1030 | 4.5 | 10.4 | 8.6 | 7.2 | 6.2 | 5.3 |
| | | 3.5 | 50 | 24.8 | 81.4 | 1110 | 4.9 | 11.1 | 9.3 | 7.7 | 6.6 | 5.7 |
| | | 4.0 | 57 | 25.0 | 82.0 | 1190 | 5.2 | 11.9 | 9.9 | 8.3 | 7.1 | 6.1 |
| 4.0 Black x 1.8 Green | 5/32" Black x 9/128" Green | 2.0 | 28 | 23.6 | 77.4 | 1060 | 4.7 | 10.6 | 8.8 | 7.4 | 6.3 | 5.4 |
| | | 2.5 | 36 | 24.0 | 78.7 | 1180 | 5.2 | 11.8 | 9.8 | 8.2 | 7 | 6 |
| | | 3.0 | 43 | 24.5 | 80.4 | 1300 | 5.7 | 13 | 10.8 | 9 | 7.7 | 6.6 |
| | | 3.5 | 50 | 25.0 | 82.0 | 1400 | 6.2 | 14 | 11.7 | 9.7 | 8.4 | 7.2 |
| | | 4.0 | 56.9 | 25.5 | 83.7 | 1500 | 6.6 | 15 | 12.5 | 10.4 | 8.9 | 7.7 |

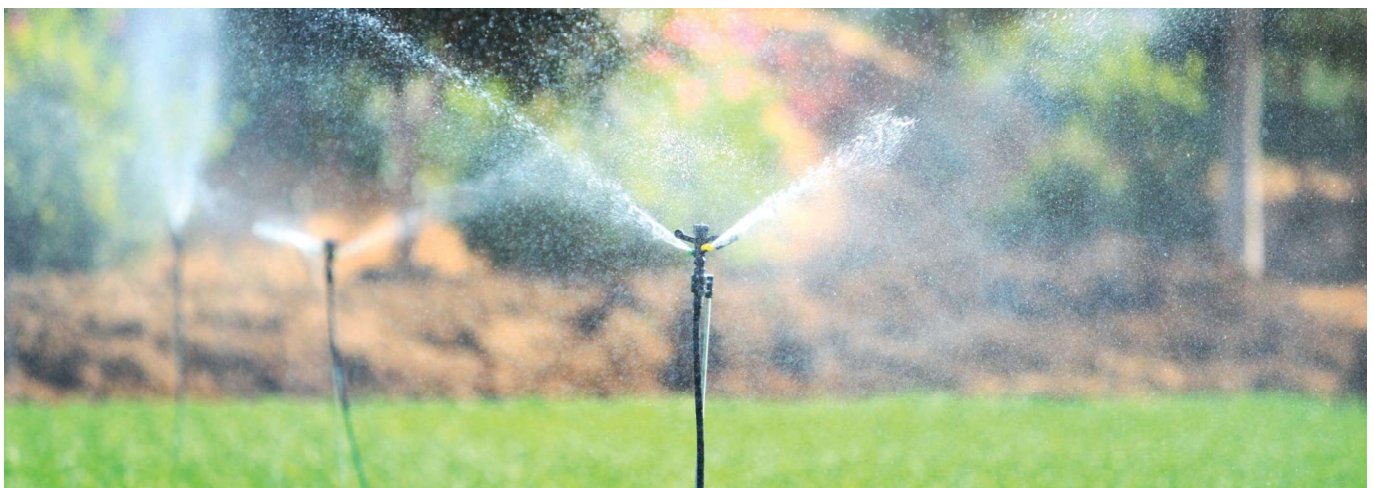
- Performance is based on ideal conditions of temperature, wind velocity and humidity.
- Tested at 100cm (3ft.) height above the ground.

Rear Nozzle :

1.8 mm (9/128") - Green colour

Colour Codes of distribution of Uniformity

| | | | |
|-----------|-----------------|-----------------|-----------|
| CDU < 75% | 75% ≤ CDU < 80% | 80% ≤ CDU < 85% | CDU ≥ 90% |
|-----------|-----------------|-----------------|-----------|



Performance Table (AQ-22W)

| Nozzle Colour & Size | | Pressure | | Coverage Diameter | | Flow Rate | |
|-------------------------|------------------------------|--------------------|-----|-------------------|------|-----------|-----|
| mm | inch | kg/cm ² | PSI | mtr | ft | LPH | GPM |
| 2.0 White x 1.8 | 5/64" White x 9/128 | 1 | 14 | 17.5 | 57.4 | 294 | 1.3 |
| | | 1.5 | 21 | 19.5 | 64.0 | 348 | 1.5 |
| | | 2 | 28 | 20.5 | 67.2 | 405 | 1.8 |
| | | 2.5 | 36 | 21 | 68.9 | 450 | 2.0 |
| | | 3 | 43 | 21 | 68.9 | 495 | 2.2 |
| 2.2 Brown x 1.8 | 11/128" Brown x 9/128 | 1 | 14 | 18.5 | 60.7 | 309 | 1.4 |
| | | 1.5 | 21 | 20 | 65.6 | 378 | 1.7 |
| | | 2 | 28 | 21 | 68.9 | 435 | 1.9 |
| | | 2.5 | 36 | 21 | 68.9 | 486 | 2.1 |
| | | 3 | 43 | 21.5 | 70.5 | 528 | 2.3 |
| 2.5 Purple x 1.8 | 13/128" Purple x 9/128 | 1 | 14 | 18.5 | 60.7 | 370 | 1.6 |
| | | 1.5 | 21 | 21 | 68.9 | 450 | 2.0 |
| | | 2 | 28 | 21.5 | 70.5 | 520 | 2.3 |
| | | 2.5 | 36 | 21.5 | 70.5 | 580 | 2.6 |
| | | 3 | 43 | 22 | 72.2 | 635 | 2.8 |

Performance is based on ideal conditions of temperature, wind velocity and humidity.

Tested at 100cm (3ft.) height above the ground.

Rear Nozzle : 1.8 mm (9/128") - Green colour

| Spacing (m) | CU | DU | SC | PR (mm/hr) |
|-------------|-----|-----|-----|------------|
| 09 x 09 | 94% | 91% | 1.1 | 5.4 |
| 10 x 10 | 91% | 84% | 1.2 | 4.4 |
| 11 x 11 | 89% | 80% | 1.2 | 3.6 |
| 10 x 12 | 89% | 80% | 1.3 | 3.7 |
| 12 x 12 | 89% | 81% | 1.2 | 3.1 |

Nozzle Size : 2.2 x 1.8mm | Pressure : 2.0 kg/cm²

