

# AQ- 25 | 25AF

3/4" BSP/NPT Male Thread

A general-use metal sprinkler Suitable for large-scale irrigation needs where high precipitation and consistent coverage are required. Ideal for irrigation of various crops compatible with overhead irrigation systems, including solid set, permanent set, hard lines, portable lines, wheel lines, and mechanically movable systems such as center pivots.



## HIGHLIGHTS

- Available with 3/4" BSP/NPT male threading and 1" female threading
- Specifically engineered for high precipitation rates and wide spacing
- Durable bronze body and arm, reinforced with a heavy-duty brass nut and tube
- Stainless steel pivot pin and springs for enhanced durability
- Integrated nozzles with stream-straightening vanes ensure efficient irrigation, even in windy conditions.

## TECHNICAL DATA

- Recommended operating pressure: 2.0–5.0 kg/cm<sup>2</sup> (30–70 PSI)
- Recommended spacing up to 18 meters (60 feet) for optimal distribution uniformity
- AQ-25 Trajectory Angle: 33°
- AQ-25 AF Trajectory Angle: 33°



## Performance Table ( AQ-25 )

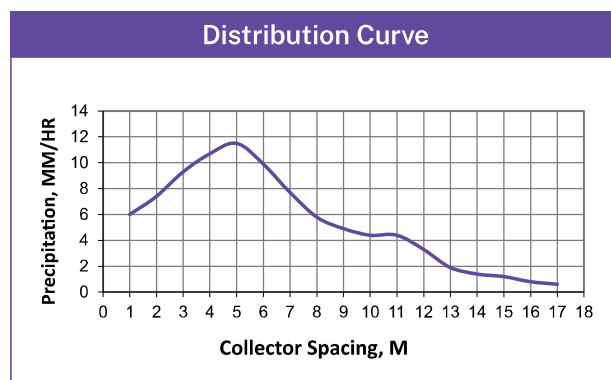
| Nozzle Size       |                     | Pressure           |     | Coverage Diameter |       | Flow Rate |      |
|-------------------|---------------------|--------------------|-----|-------------------|-------|-----------|------|
| mm                | inch                | kg/cm <sup>2</sup> | PSI | mtr               | ft    | LPH       | GPM  |
| 5.55<br>x<br>3.17 | 7/32"<br>x<br>1/8"  | 2                  | 28  | 28.2              | 92.5  | 2240      | 9.9  |
|                   |                     | 2.5                | 36  | 31.0              | 101.7 | 2490      | 11.0 |
|                   |                     | 3                  | 43  | 33.4              | 109.6 | 2730      | 12.0 |
|                   |                     | 3.5                | 50  | 35.0              | 114.8 | 2930      | 12.9 |
|                   |                     | 4                  | 57  | 36.2              | 118.7 | 2145      | 9.4  |
|                   |                     | 4.5                | 64  | 37.0              | 121.4 | 3310      | 14.6 |
|                   |                     | 5                  | 71  | 37.6              | 123.3 | 3515      | 15.5 |
| 5.95<br>x<br>3.17 | 15/64"<br>x<br>1/8" | 2                  | 28  | 32.2              | 105.6 | 2370      | 10.4 |
|                   |                     | 2.5                | 36  | 33.8              | 110.9 | 2710      | 11.9 |
|                   |                     | 3                  | 43  | 35.4              | 116.1 | 2975      | 13.1 |
|                   |                     | 3.5                | 50  | 36.4              | 119.4 | 3215      | 14.2 |
|                   |                     | 4                  | 57  | 37.0              | 121.4 | 3535      | 15.6 |
|                   |                     | 4.5                | 64  | 37.6              | 123.3 | 3710      | 16.3 |
|                   |                     | 5                  | 71  | 38.2              | 125.3 | 3900      | 17.2 |
| 6.35<br>x<br>3.17 | 1/4"<br>x<br>1/8"   | 2                  | 28  | 33.0              | 108.2 | 2650      | 11.7 |
|                   |                     | 2.5                | 36  | 34.2              | 112.2 | 2950      | 13.0 |
|                   |                     | 3                  | 43  | 35.0              | 114.8 | 3275      | 14.4 |
|                   |                     | 3.5                | 50  | 36.0              | 118.1 | 3575      | 15.7 |
|                   |                     | 4                  | 57  | 37.4              | 122.7 | 3860      | 17.0 |
|                   |                     | 4.5                | 64  | 37.8              | 124.0 | 4045      | 17.8 |
|                   |                     | 5                  | 71  | 38.4              | 126.0 | 4270      | 18.8 |

\* 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) |
|-------------|--------|--------|-----|------------|
| 12.0 x 12.0 | 92%    | 87%    | 1.2 | 20.3       |
| 13.0 x 13.0 | 93%    | 87%    | 1.4 | 17.3       |
| 14.0 x 14.0 | 93%    | 86%    | 1.4 | 14.9       |
| 15.0 x 15.0 | 91%    | 84%    | 1.4 | 13.0       |
| 16.0 x 16.0 | 90%    | 84%    | 1.5 | 11.4       |
| 17.0 x 17.0 | 90%    | 85%    | 1.5 | 10.1       |
| 18.0 x 18.0 | 89%    | 83%    | 1.5 | 9.0        |

Nozzle Size: 5.55x3.17mm | Pressure: 3.5 kg/cm<sup>2</sup>



Female Threaded  
( AQ-25F )

## Performance Table ( AQ - 25AF )

| Nozzle Size       |                     | Pressure           |     | Coverage Diameter |       | Flow Rate |      |
|-------------------|---------------------|--------------------|-----|-------------------|-------|-----------|------|
| mm                | inch                | kg/cm <sup>2</sup> | PSI | mtr               | ft    | LPH       | GPM  |
| 5.55<br>x<br>3.17 | 7/32"<br>x<br>1/8"  | 2                  | 28  | 28.2              | 92.5  | 2240      | 9.9  |
|                   |                     | 2.5                | 36  | 31.0              | 101.7 | 2490      | 11.0 |
|                   |                     | 3                  | 43  | 33.4              | 109.6 | 2730      | 12.0 |
|                   |                     | 3.5                | 50  | 35.0              | 114.8 | 2930      | 12.9 |
|                   |                     | 4                  | 57  | 36.2              | 118.7 | 3145      | 13.8 |
|                   |                     | 4.5                | 64  | 37.0              | 121.4 | 3310      | 14.6 |
|                   |                     | 5                  | 71  | 37.6              | 123.3 | 3515      | 15.5 |
| 5.95<br>x<br>3.17 | 15/64"<br>x<br>1/8" | 2                  | 28  | 32.2              | 105.6 | 2370      | 10.4 |
|                   |                     | 2.5                | 36  | 33.8              | 110.9 | 2710      | 11.9 |
|                   |                     | 3                  | 43  | 35.4              | 116.1 | 2975      | 13.1 |
|                   |                     | 3.5                | 50  | 36.4              | 119.4 | 3215      | 14.2 |
|                   |                     | 4                  | 57  | 37.0              | 121.4 | 3535      | 15.6 |
|                   |                     | 4.5                | 64  | 37.6              | 123.3 | 3710      | 16.3 |
|                   |                     | 5                  | 71  | 38.2              | 125.3 | 3900      | 17.2 |
| 6.35<br>x<br>3.17 | 1/4"<br>x<br>1/8"   | 2                  | 28  | 33.0              | 108.2 | 2650      | 11.7 |
|                   |                     | 2.5                | 36  | 34.2              | 112.2 | 2950      | 13.0 |
|                   |                     | 3                  | 43  | 35.0              | 114.8 | 3275      | 14.4 |
|                   |                     | 3.5                | 50  | 36.0              | 118.1 | 3575      | 15.7 |
|                   |                     | 4                  | 57  | 37.4              | 122.7 | 3860      | 17.0 |
|                   |                     | 4.5                | 64  | 37.8              | 124.0 | 4045      | 17.8 |
|                   |                     | 5                  | 71  | 38.4              | 126.0 | 4270      | 18.8 |

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

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

Nozzle Size: 5.55x3.17mm | Pressure: 3.5 kg/cm<sup>2</sup>

| Spacing (m) | CU (%) | DU (%) | SC  | PR (mm/hr) |
|-------------|--------|--------|-----|------------|
| 12.0 x 12.0 | 92%    | 87%    | 1.2 | 20.3       |
| 13.0 x 13.0 | 93%    | 87%    | 1.4 | 17.3       |
| 14.0 x 14.0 | 93%    | 86%    | 1.4 | 14.9       |
| 15.0 x 15.0 | 91%    | 84%    | 1.4 | 13.0       |
| 16.0 x 16.0 | 90%    | 84%    | 1.5 | 11.4       |
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