

MICRO SPRAYERS & FOGGERS

When your design requirements include a range of wetting patterns with low precipitation rates, DIG offers a complete line of spray jets, pop-ups, micro sprayers and foggers with multiple features to choose from.

The EXL-Series foggers are ideal for misting and cooling applications. Their vortex-flow design, which spins the water droplets into a fine mist, can result in lower ambient temperatures for better control of a plants' environment.



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EXL-Series Foggers

Dynamic Mini Sprinklers

Features

- Excellent performance with uniform water distribution
- Press-fit configuration for easy maintenance
- Head closes downwards after operation to prevent dirt and insects from entering the sprinkler (insect-proof)
- Dynamic operation ensures self-cleaning and prevents accumulation of deposits
- Firm construction gives a complete 360° circle
- Available on 1/2" FNPT base or completely assembled on a spike with micro tubing

Specifications

- Recommended operating pressure: 25 - 35 PSI (1.7 - 2.4 BAR)
- Recommended operating pressure: 35 PSI (2.4 BAR)
- Flow rates: 10 - 42 GPH (38 L/H - 159 L/H)
- Diameter of coverage: 10' - 17' (3 - 5 m)
- Material: polyacetal



| Flow rate vs. pressure | | | | | | | |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Model number | 52-700-10 | 52-700-15 | 52-700-18 | 52-700-24 | 52-700-27 | 52-700-32 | 52-700-42 |
| Nozzle color | Silver | Gray | Black | Green | Dk. Blue | Red | Brown |
| Nominal flow rate at 30 PSI (2.1 BAR) | | | | | | | |
| Flow rates (GPH) | 10 | 15 | 18 | 24 | 27 | 32 | 42 |
| Wetting diameter (feet) | 10 | 11 | 13 | 14 | 15 | 16 | 17 |

| Performance & technical data reverted at 6' (1.8 m) height | | | | | | | |
|--|--------|------|-------|-------|----------|------|-------|
| Nozzle color | Silver | Gray | Black | Green | Dk. Blue | Red | Brown |
| Performance at 30 PSI (2.1 BAR) | | | | | | | |
| Flow rates (GPH) | 10.9 | 16.3 | 19.0 | 24.4 | 28.5 | 32.6 | 43.4 |
| Wetting diameter (feet) | 7 | 11 | 12 | 14 | 16 | 15 | 16 |

| How to specify | | |
|----------------|-----------------------------------|----------|
| Model | Description | Color |
| 52-700-10 | 10 GPH 360° | Lt. Blue |
| 52-700-15 | 15 GPH 360° | Gray |
| 52-700-18 | 18 GPH 360° | Black |
| 52-700-24 | 24 GPH 360° | Green |
| 52-700-27 | 27 GPH 360° | Dk. Blue |
| 52-700-32 | 32 GPH 360° | Red |
| 52-700-42 | 42 GPH 360° | Brown |
| 52-700-0 | Stake assembly for mini sprinkler | |

12" Pop-Up Micro Sprayers

Features

- 12" pop-up lengths with a 1/4" (6 mm) barbed elbow or 1/2" MNPT
- Unique design incorporates a pressure-activated, low-friction, upper-stem seal
- Second-stage piston seal ensures sealing
- Can be used with all sizes of polyethylene tubing using the 1/4" barbed elbow option
- Three color-coded spray nozzles for easy identification
- Constructed of UV-resistant, durable plastic material to withstand the most adverse conditions
- Filter requirement: minimum of 150 mesh

Specifications

- Operating pressure: 15-30 PSI (1-2.1 BAR)
- Nominal operating pressure: 30 PSI (2.1 BAR)
- Flow rate: .15-.73 GPM (34-166 L/H)
- Wetting diameter: up to 12.5' (3.8 m)
- Filter requirement: 120 mesh
- Inlet size: 1/2" MNPT thread or 1/4" barbed side outlet
- Materials:
 - Body and piston: semi-rigid polypropylene
 - Seals: EPDM and vinyl
 - Base: high-impact plastic
 - Spring: stainless-steel 304

Dimensions

- Pop-up height:
 - 12" (30 cm)
 - or when up 21" (53 cm)



MNPT inlet

Barbed inlet

How to specify

| Model | Description |
|-----------------------------------|-----------------|
| 1/2" MNPT inlet with 12" pop-up | |
| MP-121 | 90° spray head |
| MP-122 | 180° spray head |
| MP-123 | 360° spray head |
| 1/4" Barbed inlet with 12" pop-up | |
| MP-124 | 90° spray head |
| MP-125 | 180° spray head |
| MP-126 | 360° spray head |

Performance flow rate vs. pressure

| Pressure (PSI) | Flow rate (GPH) | Flow rate (GPM) | Throw |
|--|-----------------|-----------------|----------------|
| 360° Spray • nozzle color: RED • orifice size 0.08" | | | |
| 15 | 31.5 | 0.53 | 10.6' diameter |
| 20 | 36.2 | 0.60 | 11.3' diameter |
| 25 | 40.3 | 0.67 | 11.9' diameter |
| 30 | 44.0 | 0.73 | 12.5' diameter |
| 180° Spray • nozzle color: GREEN • orifice size 0.06" | | | |
| 15 | 16.4 | 0.27 | 5.1' radius |
| 20 | 19.0 | 0.32 | 5.5' radius |
| 25 | 21.3 | 0.36 | 5.8' radius |
| 30 | 23.3 | 0.39 | 6.1' radius |
| 90° Spray • nozzle color: BLUE • orifice size 0.03" | | | |
| 15 | 6.2 | 0.10 | 3.3' radius |
| 20 | 7.3 | 0.12 | 3.5' radius |
| 25 | 8.1 | 0.14 | 3.7' radius |
| 30 | 8.9 | 0.15 | 3.9' radius |



Fan Spray Jets

Features

- Easy to install using the quick thread base and wide wing edges
- Stake assembly includes a 12" thick-walled poly distribution riser with .300" OD
- Used with 1/4" (.150"-.160" ID) distribution tubing
- Three color-coded nozzles for easy identification
- Constructed of UV-resistant, durable plastic material to withstand the most adverse conditions

Specifications

- Operating pressure: 15-30 PSI (1-2.1 BAR)
- Nominal operating pressure: 30 PSI (2.1 BAR)
- Flow rate: 6-44 GPH (23-167 l/h)
- Wetting diameter: up to 12.5' (3.8 m)
- Orifice size: .03"-.08"
- Filter requirement: 120 mesh



| How to specify | | |
|---------------------------------|-------------|-------|
| Model | Description | Color |
| Fan spray jet head | | |
| 07-080 | 90° | Blue |
| 07-081 | 180° | Green |
| 07-082 | 360° | Red |
| Fan spray jet on spike assembly | | |
| 07-080-1 | 90° | Blue |
| 07-081-1 | 180° | Green |
| 07-082-1 | 360° | Red |

Vortex Adjustable Sprayer

Features

- Comes with a stake, barb and 10/32" thread
- Adjustable full-circle vortex spray jet with fine water droplets
- Easy to install using attached barb with extra wide wings
- Used with 1/4" distribution tubing (.150"-.160" ID)
- Adjustable flow, including shut-off
- Removable cap for easy cleaning

Specifications

- Operating pressure: 15-30 PSI (1-2.1 BAR)
- Flow rate: 0-20 GPM (0-4.5 L/H)
- Trajectory: 100°
- Fully open: approximately 22 clicks
- Filter requirement: minimum of 120 mesh



| Flow rate vs. pressure | | | |
|------------------------|------------|------------|-------------|
| Pressure (PSI) | Flow (GPH) | Flow (GPM) | Radius (FT) |
| 15 | 0-14 | 0.23 | 0-5.8 |
| 20 | 0-16 | 0.27 | 0-7.8 |
| 25 | 0-20 | 0.33 | 0-11.5 |

360°



| How to specify | |
|----------------|-----------------------|
| Model | Description |
| 07-005 | 360° on a 6" stake |
| 07-035 | 360° on barb |
| 07-036 | 360° on 10/32" thread |

*With sprayer a minimum of 5" above ground

Jet Sprayers

Features

- Color-coded heads signify various spray patterns
- Available on a stake assembly with 24" vinyl distribution tubing or threaded barb
- Used with 1/4" distribution tubing (.150"-.160" ID)
- Removable cap for easy cleaning
- Constructed of UV-resistant, durable plastic material

Specifications

- Operating pressure: 15-30 PSI (1-2.1 BAR)
- Flow rates: 14 GPH (53 L/H)
- Wetting diameter: up to 20' (6.1 m)
- Pattern: 360°, 180°, 90° and strip
- Nozzle size: .04"
- Filter requirement: minimum of 120 mesh



| Flow rate vs. pressure | | | | |
|------------------------|------------|---------------|-------------|-------------|
| | | 360° | 180° | 90° |
| | | | | |
| Pressure (PSI) | Flow (GPH) | Diameter (FT) | Radius (FT) | Radius (FT) |
| 15 | 10.5 | 15.2 | 5.9 | 6.6 |
| 20 | 12.0 | 16.9 | 6.4 | 7.6 |
| 25 | 13.4 | 18.4 | 6.9 | 8.5 |
| 30 | 14.7 | 19.8 | 7.3 | 9.3 |

*With sprayer a minimum of 8" above ground

| How to specify | | | |
|-----------------|----------|-----------|----------|
| Spray pattern: | 90° | 180° | 360° |
| Assembly color: | Blue/Blk | Blue/Blue | Blue/Red |
| 10/32 Thread | 07-001 | 07-002 | 07-003 |
| Stake Assembly | 07-025 | 07-024 | 07-023 |

A-Jets

Features

- Mini valve can be adjusted to reduce flow and diameter
- Available in three spray patterns
- Available on 10/32" thread or completely assembled with a spike and 12" PE riser with a barb; no moving parts
- Constructed of UV-resistant, durable plastic material.

Specifications

- Operating pressure: 15-30 PSI (1-2 BAR)
- Flow rate: 26.1 GPH @ 25 PSI
- Wetting diameter: up to 23' (7 m)
- Pattern: 360°, 180° and 90°
- Trajectory: approximately 40°
- Filter requirement: minimum of 120 mesh



| Flow rate vs. pressure | | | | |
|------------------------|------------|---------------|-------------|-------------|
| | | 360° | 180° | 90° |
| | | | | |
| Pressure (PSI) | Flow (GPH) | Diameter (FT) | Radius (FT) | Radius (FT) |
| 10 | 0-16.7 | 0-17 | 0-7.2 | 0-5.7 |
| 15 | 0-20.3 | 0-18 | 0-8.2 | 0-7.0 |
| 20 | 0-23.4 | 0-20 | 0-9.1 | 0-8.1 |
| 25 | 0-26.1 | 0-22 | 0-9.9 | 0-9.0 |
| 30 | 0-28.6 | 0-23 | 0-10.6 | 0-9.9 |

*With sprayer a minimum of 13" above ground

| How to specify | |
|----------------|------------------------|
| Model | Description |
| 07-061 | 360° on 10/32" thread |
| 07-062 | 180° on 10/32" thread |
| 07-063 | 90° on 10/32" thread |
| MA-136 | 360° on spike assembly |
| MA-118 | 180° on spike assembly |
| MA-109 | 90° on spike assembly |

