



Oasis Irrigation Equipment Company Limited The "Rain Maker"

Oasis Irrigation Equipment Co Ltd, P-6, Scheme-VI, M(S), C.I.T, Kolkata-700054

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Oasis 4 Way Fogger Assembly

Oasis 4 Way Foggers produce finer droplets allowing quicker evaporation resulting in higher humidity for propagation applications.

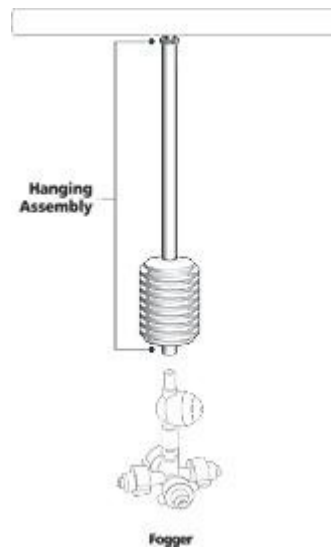
Oasis 4 Way Fogger Salient Features:

- **Lower Cost** –Our Oasis Foggers are affordably priced - much less than high pressure fog systems.
- **Highly Uniform Application** - With an operating pressure range of 3-5 kg/cm², these foggers produce an average droplet size of 70-90 microns (at 4 kg/cm²) each and every time. This creates a "blanket of fog" or zone of saturated humidity ideal for rooting. Each nozzle of the 4-Way Fogger has a flow rate of 2.0 GPH.
- **Material** – Acetal
- **Reduces Green House Temperature & Increases Green House Humidity**
- **Dependable Operation** - Since the Oasis 4 Way Fogger operates on low pressure, there is significantly less wear on the fogger components resulting in less maintenance and reduces overall operating costs. Our fogger system requires 140 mesh filtration eliminating costly filtration systems with intensive maintenance issues. Fogger blockers are available to close off one or more nozzles of the assembly when needed.
- **Simple Installation & Disassembly** – Oasis 4 Way Fogger are readily adaptable to existing systems. They are easy to install with fittings common to most hanging assemblies. All it takes is a "twist" and the fogger nozzle can be removed from the center assembly - no tools needed.
- **Reliable Check Valves** - Assembled above the Oasis 4 Way Fogger head is a high pressure check valve. This check valve ensures that each fogger turns on and off at exactly the same time for effective short cycling. It also prevents water from draining onto the plants or cuttings below after system shut down.
- **Secondary Filter** - It is required to operate having 75-100 Micron Mesh Size.
- **Opening Pressure** – 1.5 Bar
- **Closing Pressure** – 3.5 Bar

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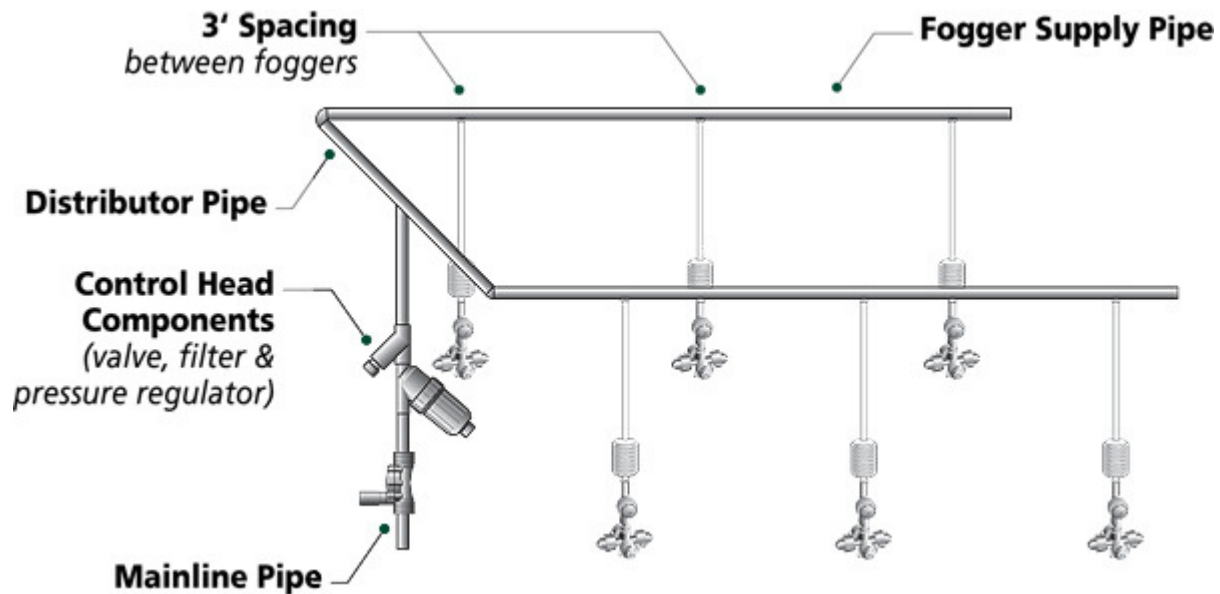
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Components of Oasis 4 Way Fogger Assembly are illustrated below. A complete assembly consists of a Fogger with Check Valve and a Hanging Assembly with Stabilizer Weight.



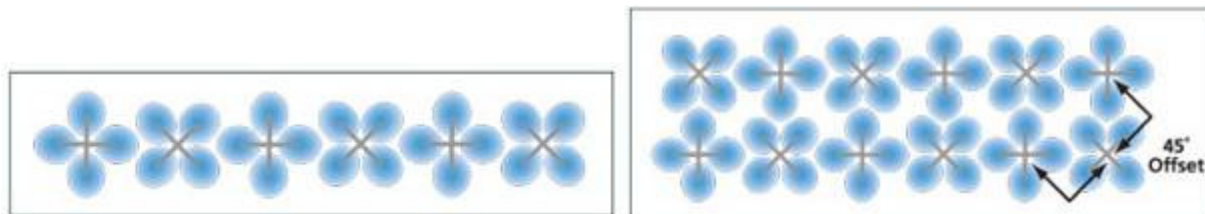
Oasis 4 Way Fogger Assembly Components

- Polyethylene tubing made from the highest quality plastics with excellent UV resistance. Our reflective white tubing is completely opaque to prevent algae growth. This tubing is not coated or layered white, it is solid white for long-term durability. It withstands heat, direct sun, and harsh chemicals and produces cooler water temperatures enhancing plant growth.
- Barbed end for insertion into the Polyethylene Tubing Supply Line and a female connector on the other end to attach the Check Valve and Fogger Unit.
- Stabilizer weight keeps the fogger plumb.
- We recommend placing the foggers 18" to 30" above the propagation material.



For Installation of Benches

For wide benches, up to 8', use two lines of foggers equally distanced from the center of the bench. For large areas, use one row of foggers for every 4' width of area to be fogged. 4-Way Fogger units should be placed at 45° angles to one another.



Starting Up a System for the First Time

The most important point to remember when starting up a new system is to flush the main lines. Debris from construction can otherwise be washed into the sprinklers, resulting in plugging or improper operation. To properly flush a system, first connect all the pipes and hanging assemblies, except the Foggers with the Check Valves. Next, open the ends of the distributor line and the sprinkler supply pipes. Close them off, one by one, starting with the opening closest to the head control, and proceeding to the most distant opening. Only after complete flushing should the Foggers with Check Valves should be attached to the hanging assemblies.