

Foggers Technical Specifications

Applications:

- Used primarily for climate control – Reduction of temp and adding humidity to the air
- Used for germination, rooting and seedling.
- Also applicable for humidity controlled environment.
- Used for reducing high temperature and creating micro climate conditions in greenhouses, chicken coops and animal houses.



Foggers- 4 outlets with non- drip

Features:

- Very small droplets allow in air evaporation and Incorporates a vortex design, breaking the water droplet to a fine mist.
- Three part construction with O-Ring for a tight seal and leak proof
- Easy maintenance.

Technical Specifications

- Engineering raw materials:
Body- Polyester.
O-Ring-EPDM.
- Nominal flow rate at 3.5 bar (51 psi).
- Operating pressure: 2.5 to 5.5 bar,(36-80 psi).
- Cover Diameter: 60-120cm,(2-4 Feet).
- Pattern 360°.
- Trajectory angle 70° to 100°.
- Average droplet size 60 to 100 micron,(2.5-4 mil)
- Installation Spacing defers by application, please consult the product technical page or contact TAVLIT
- Recommended Filtration: 200 mesh (80 micron).
- The use of NDV is highly recommended in order to prevent dripping, keep the laterals full and save water.
- If chemicals and fertilizers (commonly used in agriculture), are implemented, the system should be thoroughly flushed after use with clean water.



Fogger

Technical Data

Metric Units

Flow rates (L/H) versus pressure (bar), single head:

Nozzle color	Nozzle size (micron)	Nominal flow rate (L/H)	2.5 bar	2.8 bar	3.2 bar	3.5 bar	3.9 bar	4.2 bar	4.6 bar	4.9 bar
●	26	3	2.9	3.1	3.2	3.3	3.3	3.4	3.4	3.6
●	33	4	3.3	3.5	3.8	3.9	4.1	4.3	4.4	4.6
●	51	6	5.2	5.7	5.8	6.0	6.2	6.5	6.6	6.9
●	63	8	6.4	6.9	7.3	7.7	7.9	8.3	8.6	8.8
●	89	12	9.2	9.9	10.6	11.1	11.5	12.0	12.4	13.0

U.S. Units

Flow rates (gpm) versus pressure (psi), single head:

Nozzle color	Nozzle size (micro-inch)	Nominal flow rate (gpm)	36 psi	41 psi	46 psi	51 psi	56 psi	61 psi	67 psi	71 psi
●	1.02	0.013	0.013	0.014	0.014	0.015	0.015	0.015	0.015	0.016
●	1.30	0.018	0.015	0.015	0.017	0.017	0.018	0.019	0.019	0.020
●	2.01	0.026	0.023	0.025	0.026	0.026	0.027	0.029	0.029	0.030
●	2.48	0.035	0.028	0.030	0.032	0.034	0.035	0.037	0.038	0.039
●	3.50	0.053	0.040	0.044	0.047	0.049	0.051	0.053	0.055	0.057



Performance Charts

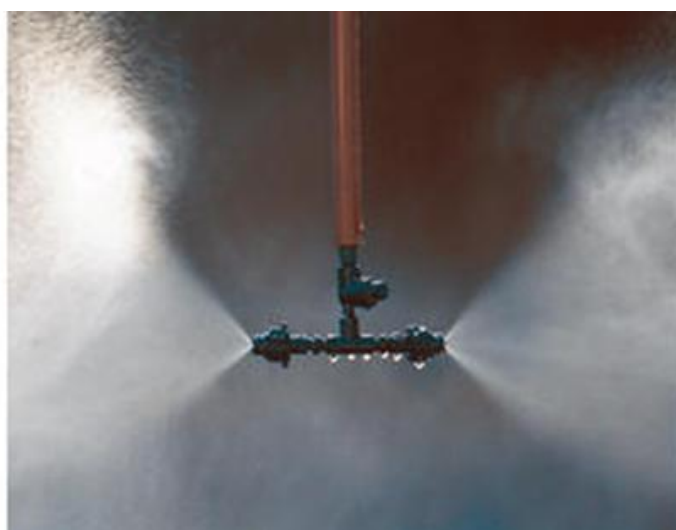
Metric Units

Performance at 1.8 m Height and 3.5 Bar

Single Head				
Nozzle color	Nominal flow rate (l/hr)	Wetting Diameter (m)	Recommended Spacing (rectangular) (mXm)	Application Rate (mm/hr)
●	3	1.0	1.0X1.0	3.0
●	4	1.0	1.0X1.0	4.0
●	6	1.1	1.0X1.2	4.9
●	8	1.1	1.0X1.2	6.6
●	12	1.2	1.0X1.2	9.8

Two-way Head Assembly				
Nozzle color	Nominal flow rate (l/hr)	Wetting Diameter (m)	Recommended Spacing (rectangular) (mXm)	Application Rate (mm/hr)
●	6	1.0	1.2X1.2	4.2
●	8	1.0	1.2X1.2	5.6
●	12	1.1	1.2X1.2	8.3
●	16	1.1	1.2X1.2	11.1
●	24	1.2	1.2X1.2	16.7

Four-way Head Assembly				
Nozzle color	Nominal flow rate (l/hr)	Wetting Diameter (m)	Recommended Spacing (rectangular) (mXm)	Application Rate (mm/hr)
●	12	1.0	1.2X1.2	8.4
●	16	1.0	1.2X1.2	11.2
●	24	1.1	1.2X1.2	16.6
●	32	1.1	1.2X1.2	22.2
●	48	1.2	1.2X1.2	33.4



U.S. Units

Performance at 6 Ft Height and 50 psi

<i>Single Head</i>				
Nozzle color	Nominal flow rate (gpm)	Wetting Diameter (Ft)	Recommended Spacing (rectangular) (FtXft)	Application Rate (inch/hr)
●	0.013	3.2	3X3	0.12
●	0.018	3.2	3X3	0.16
●	0.026	3.5	3X4	0.19
●	0.035	3.5	3X4	0.26
●	0.053	4.0	3X4	0.39

<i>Two-way Head Assembly</i>				
Nozzle color	Nominal flow rate (gpm)	Wetting Diameter (Ft)	Recommended Spacing (rectangular) (FtXft)	Application Rate (inch/hr)
●	0.026	3.2	4X4	0.17
●	0.036	3.2	4X4	0.22
●	0.052	3.5	4X4	0.33
●	0.070	3.5	4X4	0.44
●	0.106	4.0	4X4	0.66

<i>Four-way Head Assembly</i>				
Nozzle color	Nominal flow rate (gpm)	Wetting Diameter (Ft)	Recommended Spacing (rectangular) (FtXft)	Application Rate (inch/hr)
●	0.052	3.2	4X4	0.33
●	0.072	3.2	4X4	0.44
●	0.104	3.5	4X4	0.65
●	0.140	3.5	4X4	0.87
●	0.112	4.0	4X4	1.31

