

038 Series Micro Sprayer

Micro Sprayer for Greenhouses , Nurseries and Tunnels



Excellent Performance with Uniform Water Distribution

The 038 micro sprayer is designed to support conditions conducive to propagation, cooling, rooting and germination in greenhouses, hothouses and tunnels. It produces fine-mist droplets with high water uniformity for trouble-free operation. The micro sprayer is available with a wide range of flow rates and an optional, low- or high-flow anti-leak device that prevents dripping when the irrigation system is shut off and keeps the entire line pressurized.

Features

- Excellent performance with uniform water distribution
- Color-coded nozzles for flow rate identification
- Modular design allows for a wide range of interchangeable components

Applications

- Use for overhead irrigation, propagation, seeding, rooting and cooling in greenhouses, tunnels and nurseries
- Ideal for bedding plants in close spacings

Benefits

- Maintains constant humidity or cooling in greenhouses and tunnels
- Achieves higher germination rate through small, even-sized droplets with high distribution accuracy and a low precipitation rate



DIG Corporation

1210 Activity Drive
Vista, California 92081
www.digcorp.com

800. 322.9146
760. 727.0914
fax 760. 727.0282



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Performance and Technical Data

- Flow rate: 9 GPH - 42 GPH (35 l/h - 160 l/h)
- Diameter of coverage: 6.5' - 13' (1.9 m - 3.9 m)
- Operating pressure: 20 - 35 PSI (1.4 - 2.4 BAR)
- Pattern: 360°
- Trajectory angle: flat
- Average droplet size: .0008" (0.2 mm) at 45 PSI (3 BAR)
- Recommended spacing for single lateral: 3' to 4' apart (.9 m to 1.2 m)
- Recommended spacing for multi laterals: 3' to 4' apart (.9 m to 1.2 m)
- Recommended height: 6' (1.8 m) above the benches
- Filtration requirements: minimum of 120 mesh (130 microns), depending on water quality and concentration of dirt particles
- Material: polyacetal

Flow rate & diameter						
Model	52-038-	52-038-	52-038-	52-038-	52-038-	52-038-
Nozzle color	Lt. blue	Violet	Gray	Black	Green	Red
Nozzle size (in)	.031	.039	.043	0.47	.051	.059
Nominal flow rate at 29.4 PSI (2 BAR)						
Flow rates (GPH)	9	13	15	18	24	32

Performance & technical data inverted at 6' (1.8 m) height						
Nozzle color	Lt. blue	Violet	Gray	Black	Green	Red
Performance at 20 PSI (1.4 BAR)						
Flow rates (GPH)	7.8	11.1	13.3	15.5	20.0	26.6
Wetting diameter (ft)	6.5	7	8	8.5	9	10
Performance at 25 PSI (1.7 BAR)						
Flow rates (GPH)	9.6	12.4	14.9	17.4	22.3	29.7
Wetting diameter (ft)	7.3	8	9	9.2	9.7	10.5
Performance at 30 PSI (2.1 BAR)						
Flow rates (GPH)	9.5	13.6	16.3	19.0	24.4	32.6
Wetting diameter (ft)	8	9	9.8	10	10	11
Performance at 35 PSI (2.4 BAR)						
Flow rates (GPH)	10.3	14.7	17.6	20.5	26.4	35.2
Wetting diameter (ft)	8.4	9.2	10	10.4	10.7	11.5
Rectangular spacing (ft x ft)	3 x 4	3 x 4	3 x 4	3 x 4	4 x 5	4 x 5
Application rate (in/h)	1.4	2.0	2.3	2.7	2.1	2.3



How to order	
Model	Description
52-038-xx	Micro sprayer head only
52-038-xx-0	Micro sprayer on 1/2" FNPT base
52-038-xx-12	Micro sprayer assembly with 12" (30 cm) vinyl micro tubing, barb, antileak device and weight
52-038-xx-24	Micro sprayer assembly with 24" (60 cm) vinyl micro tubing, barb, antileak device and weight
52-038-xx-36	Micro sprayer assembly with 36" (90 cm) vinyl micro tubing, barb, antileak device and weight
52-530-05	Anti-leak device (low pressure)
52-530-10	Anti-leak device (high pressure)
50-254-xx	Micro tubing assembly with weight
52-181-0	1/2" FNPT base

Interchangeable Accessories

The 52-038 has a range of accessories for a complete assembly that includes 1/2" male or female bases, 10-32 threads, .160" x .270" OD vinyl micro tubing, an anti-leak device and a weight.

Packaging Information

Model	Description	Pack Qty	Box Qty	Box Size	Box Weight
52-038-xx	Micro sprayer head only	100	500	15 x 8 3/8" x 7 5/8"	4.8 lbs.
52-038-xx-0	Micro sprayer with 1/2" female base	100	500	20" x 7" x 10"	13.2 lbs.
52-038-xx-12	Complete assembly with 12" (30 cm) vinyl micro tubing, barb, antileak device, & weight	1	150	20" x 7" x 10"	15.9 lbs.
52-038-xx-24	Complete assembly with 24" (60 cm) vinyl micro tubing, barb, antileak device, & weight	1	150	20" x 9" x 11"	17.6 lbs.
52-038-xx-36	Complete assembly with 36" (90 cm) vinyl micro tubing, barb, antileak device, & weight	1	150	21" x 10" x 12"	21.3 lbs.