

Dig 360° Mister/Fogger with Barbed Elbow

The 360° Fogger/Mister with ¼" barbed elbow is available with a full-circle pattern in a flow range of 2.21 to 3.17 GPH at 30 to 60 PSI. The droplet size is very sensitive to pressure, with higher incoming pressure leading to smaller and finer droplets with a finer mist. The 360° Fogger/Mister with ¼" barbed elbow is made of a four-part construction including the fogger body, cover, color-coded nozzle and barbed elbow, which can be connected directly to poly tubing or with ¼" micro tubing.

The 360° Fogger/Mister with ¼" barbed elbow can be used for pots and hanging baskets, around pools and patio areas or where overhead cooling or misting may be needed on any type of planting, including vegetation that requires constant moisture, or for humidifying effect. It can also be used for rooting or for creating proper micro-climate conditions.

For densely planted areas or for maximum cooling effect, place the 360° Fogger/Misters with ¼" barbed elbow 3' to 6' apart for good coverage. Do not use the 360° Fogger/Mister with ¼" barbed elbow in windy areas as the small-sized droplets can be easily dispersed in the air, even under low-to-moderate wind conditions, adversely affecting uniformity. One of the main advantages of the 360° Fogger/Mister with ¼" barbed elbow is that a relatively large number can operate simultaneously on a 1/2" pipe.

FLOW RATE AND DIAMETER

Pressure	Misting	Flow rate	diameter
PSI	Mister base	GPH	360°
20	brown 0.035	1.96	1.2'
25	brown 0.035	2.16	1.2'
30	brown 0.035	2.21	1.4'
35	brown 0.035	2.40	1.3'
40	brown 0.035	2.61	2.4'
45	brown 0.035	2.78	1.5'
50	brown 0.035	2.91	1.5'
55	brown 0.035	3.02	1.6'
60	brown 0.035	3.17	1.6'

MAXIMUM NUMBER OF FOGGER/MISTERS ON 1/2" DRIP TUBING WITH .600 ID

Fogger/Mister spacing	2'	3'	4'	5'
Flow rate @ 30 PSI	2.21	2.21	2.21	2.21
Maximum length	142'	186'	224'	255'
Flow rate in GPM	2.62	2.28	2.06	1.88
Flow rate in GPH	156.9	137	123.8	112.7
# of fogger/misters	71	62	56	51
Head loss in PSI	4.9	5.0	5.0	4.8
Velocity (f/s)	2.97	2.59	2.34	2.13
48" micro tubing head loss in PSI	0.0	0.0	0.0	0.0
Total head loss at the Fogger/Mister head	4.9	5.0	5.0	4.8