



- 1,000 psi - 70 bars
- Anti-drip Design
- New 20 µm Filter

DESCRIPTION

MicroCool high-pressure nozzles operate at 1,000 psi (70 bars) to deliver billions of tiny droplets less than 1/10th the width of a human hair.* The smaller the water droplet, the larger the total evaporation surface exposed to the dry air. So, these extremely small droplets flash evaporate almost instantly resulting in cooler air and increased humidity levels without wetting.

The Viton™ ball and anti-drip spring ensure that nozzles close immediately when pressure is turned off thereby eliminating any potential dripping.

The updated nozzle design features a 20 µm filter included in the anti-drip body. The filter will:

- Protect the nozzle from many waterborne particles
- Further fractionate the water into finer water droplets
- Trap debris before reaching the nozzle orifice
- Extend the operating life of the nozzle

Manufacturing processes have improved tolerances to ensure that each nozzle matches MicroCool's high performance standards providing consistent fog pattern, uniform distribution and steady flow rates.

Nozzle options include:

- Brass or Stainless Steel (0.005" & 0.008" only)
- Stand-alone (with or without anti-drip)
- Double anti-drip filter for extra protection
- Nozzle extenders and plugs for configuration flexibility



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Phone: 484-461-3030



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SPECIFICATIONS

Pressure (psi)	800	900	1,000	1,100	1,200
Nozzle Orifice (in)	US gpm - lb/hr				
0.005"	0.014 – 7.0	0.015 – 7.5	0.017 – 8.5	0.018 – 9.00	1.019 – 9.5
0.008"	0.019 – 9.40	0.020 – 10.2	0.021 – 10.5	0.022 – 11.00	0.024 – 11.55
0.020"	0.065 – 32.5	0.070 – 35.0	0.076 – 38.0	0.080 – 40.0	0.085 – 42.0
Pressure (bars)	55	62	70	76	83
Nozzle Orifice (mm)	lpm - kg/hr				
0.12 mm	0.053 – 3.2	0.057 – 3.4	0.064 – 3.8	0.066 – 4.0	0.072 – 4.3
0.20 mm	0.072 – 4.3	0.078 – 4.7	0.080 – 4.8	0.084 – 5.0	0.088 – 5.28
0.50 mm	0.246 – 14.8	0.265 – 15.9	0.288 – 17.3	0.303 – 18.2	0.318 – 19.1

*Refers to 0.005" / 0.12 mm nozzle width. NOTE: All flow rates shown are nominal. The 0.005" / 0.12 mm nozzles should only be used with reverse osmosis water. Full specifications available on request.

Warranty

OG INDUSTRIES, LLC / MicroCool warrants that the goods to be delivered will be of the kind and quality described in the sales order or contract, and will be free of defects in workmanship or material. Refer to Nozzle Installation Manual for full terms of limited warranty.

Availability & Cost

MicroCool equipment is available across North America, South America, Europe, Asia, Africa and Australia either directly or through distributors. Contact OG INDUSTRIES, LLC about availability and pricing information.

Installation & Maintenance

Refer to the Nozzle Installation Manual for complete instructions and system maintenance requirements.