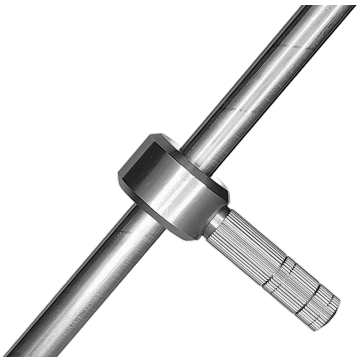
HIGH PRESSURE NOZZLES





- 1,000 psi - 69 bars
- Anti-drip Design
- SS Mesh Wire Filter

DESCRIPTION

MicroCool high-pressure stainless steel nozzles operate at 1,000 psi (69 bars) to deliver billions of tiny droplets, 6-10 microns in size. The smaller the water droplet, the larger the total evaporation surface exposed to the dry air. These extremely small droplets flash evaporate almost instantly resulting in cooler air and increased humidity levels.

The updated nozzle design features a stainless steel wire mesh filter and an anti-drip valve. The anti-drip valve ensures that nozzles close immediately when pressure is turned off thereby eliminating any potential dripping.

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.

Available now, nozzle extenders and plugs to offer configuration flexibility, and the MicroCool Nozzle Torque Wrench to ensure precise tightening and secure locking.



Nozzle thread size & spray characteristics:

- Focus system nozzles are 1/8" MNPT
- Line system nozzles are 12/24UNC
- Spray pattern: full cone
- Spray angles: 60°

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SPECIFICATIONS

PRESSURE		1000psi / 70bar		
FOCUS SYSTEM PART #	LINE SYSTEM PART #	ORIFICE SIZE	lbs/hour	kg/hour
LNA9010		0.10mm / 0.004"	4.0	1.8
LNA9008	LNA9018	0.15mm / 0.006"	6.5	3.0
LNA9009	LNA9005	0.20mm / 0.008"	10.0	4.5
	LNA9012	0.30mm / 0.012"	14.0	6.4
	LNA9025	0.40mm / 0.016"	20.0	9.0
	LNA0002	* 0.50mm / 0.020"	25.0	11.3

PRESSURE	970psi / 60bar	1000psi / 70bar	1160psi / 80bar
ORIFICE SIZE	gpm / lpm		
0.10mm / 0.004"	0.007 / 0.027	0.008 / 0.030	0.010 / 0.039
0.15mm / 0.006"	0.012 / 0.047	0.013 / 0.050	0.015 / 0.058
0.20mm / 0.008"	0.019 / 0.071	0.020 / 0.075	0.021 / 0.081
0.30mm / 0.012"	0.027 / 0.102	0.028 / 0.105	0.031 / 0.116
0.40mm / 0.016"	0.037 / 0.142	0.040 / 0.150	0.042 / 0.159
* 0.50mm / 0.020"	0.047 / 0.180	0.050 / 0.190	0.052 / 0.195

*only available with brass nozzle tip.

Warranty

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 MicroCool about availability and pricing information.

Installation & Maintenance

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