

# MISTING-ATOMIZING SPRAY NOZZLES



## Cat Pumps Mist Nozzles Keep It Cool

Cat Pumps offers a line of atomizing mist nozzles that provide an economical alternative to conventional misting nozzles. Lightweight, compact and easy to clean, these nozzles provide a uniform fine droplet mist without streaking. A built-in check valve prevents dripping when flow or spraying ceases.

Nozzles are a one-piece structure with an injection-molded ceramic orifice. The rugged body is constructed from polyamide material. An integral strainer offers protection against contamination. Cat Pumps nozzles meet the industry recognized high quality standards of Cat Pumps. As with all Cat Pumps accessories, nozzles are on the shelf for 24-hour shipping.

### Features:

- High quality spray nozzle with ceramic orifice for extended life.
- Built-in check valve prevents dripping when not in use. (opens at 45 psi)
- 304 stainless steel screen.
- Free pass area is 40% larger than conventional nozzles.
- Provides uniform fine droplet for misting and atomizing.
- 1/4" NPT(M) fitting for easy mount.
- Color coded by nozzle orifice for easy recognition.

### Typical Applications:

- Fogging
- Mist Cooling
- Humidification
- Moisture Control
- Fire Protection
- Dust Suppression
- Disinfection
- Deodorizing
- Special Effects

## Nozzle Performance Chart

			GPM Nozzle Flow Rate at Various Pressures			
Model	Color	Free Pass Dia. (mm)	507 psi 35 bar	725 psi 50 bar	1015 psi 70 bar	1450 psi 100 bar
31943	Red	0.2	0.02	0.02	0.03	0.03
31944	Green	0.3	0.04	0.05	0.06	0.07
31945	Purple	0.4	0.07	0.08	0.10	0.12

			GPH Nozzle Flow Rate at Various Pressures			
Model	Color	Free Pass Dia. (mm)	507 psi 35 bar	725 psi 50 bar	1015 psi 70 bar	1450 psi 100 bar
31943	Red	0.2	1.13	1.37	1.63	1.97
31944	Green	0.3	2.32	2.80	3.35	4.04
31945	Purple	0.4	4.09	4.97	5.92	7.13

Contact Cat Pumps for pricing or more information at [info@catpumps.com](mailto:info@catpumps.com) or 763-780-5440



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