

Brass and Stainless Steel Misting Nozzles

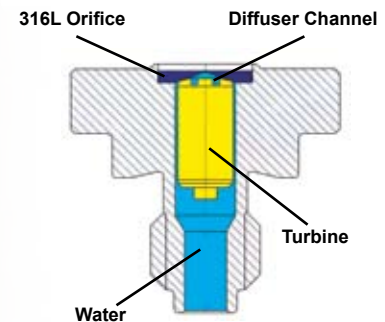
Do we need ultra precision Misting Nozzles?

Yes, because the most important part of a misting system is the nozzle. From patio to pole barn, we offer top quality nozzles with sizes to match your application and pocket book. Pumptec's ultra precision turbine diffuser nozzles produce droplet sizes down to 3 microns (1/1000mm). The result is greater surface area, higher speed flash evaporation and more effective cooling.



Why are Pumptec Misting Nozzles superior?

- Orifices are machined from quality 316L Stainless Steel with the newest Swiss made CNC lathes to ensure watch like precision, accuracy and consistency
- Orifice detail, finish and concentricity is unsurpassed
- Precise tolerances — not more than $\pm 7\%$ flow variance
- Median droplet size approaches single micron levels
- Highest quality O-rings provide long leak-free performance
- Laser engraved orifice size and unique hex body identify Pumptec high precision nozzles
- NEW 12-24 threaded nozzles are now available along with complete threaded fitting selection — Cycle timers no longer a problem with 12-24 threads that fasten securely and stay tight.
- O-rings are color coded to identify thread sizes — Black 10-24 / Blue 12-24



Nozzle Specifications

Orifice Diameter	Orifice Diameter	Spray Angle*	Median Droplet*	250 PSI **(GPH/GPM)	750 PSI **(GPH/GPM)	1000 PSI **(GPH/GPM)	1500 PSI **(GPH/GPM)
.004"	.102mm	45°	<3 μ	.24/.004	.36/.006	.48/.008	.72/.012
.006"	.152mm	55°	<5 μ	.39/.007	.54/.009	.78/.013	1.08/.018
.008"	.203mm	70°	6 μ	.60/.010	.72/.012	1.20/.020	1.44/.024
.012"	.305mm	85°	8 μ	.81/.014	1.05/.018	1.62/.027	2.10/.035
.016"	.406mm	90°	11 μ	1.20/.020	1.50/.025	2.40/.040	3.00/.050
.020"	.508mm	95°	13 μ	1.50/.025	1.80/.030	3.00/.050	3.60/.060
.024"	.610mm	95°	17 μ	1.18/.028	2.01/.034	3.36/.056	4.02/.067
.028"	.711mm	100°	20 μ	1.42/.032	2.31/.039	3.84/.064	4.62/.077

*Measured at 1000 PSI

**Flow variance $\pm 7\%$

Part Numbers

NOZZLE TYPE

Orifice Size	Body Material Thread O-Ring	NOZZLE TYPE					
		Hex Brass 10-24 Black	Hex Brass 12-24 Blue	Hex 303 SS 10-24 Black	Hex 303 SS 12-24 Blue	Knurl 316L SS 10-24 Black	Knurl 316L SS 12-24 Blue
.004"		22009	22035	22001	22027	22047	22048
.006"		22010	22036	22002	22028	22049	22050
.008"		22011	22037	22003	22029	22051	22052
.012"		22012	22038	22004	22030	22053	22054
.016"		22013	22039	22005	22031	22055	22056
.020"		22014	22040	22006	22032	22057	22058
.024"		22015	22041	22007	22033	22059	22060
.028"		22016	22042	22008	22034	22061	22062
Plug		21017	21037	21038	21039		

Anti-Drip Adapters

Brass Anti-drip Adapter



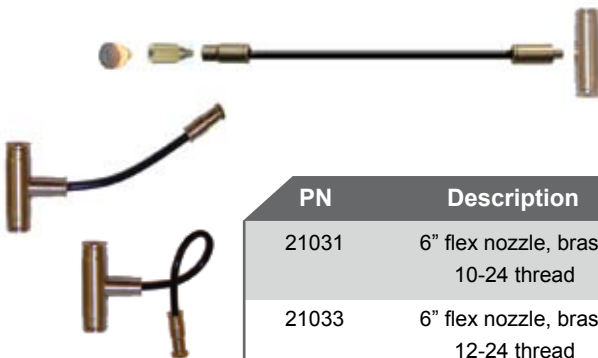
PN	Description
21019	Anti-drip adaptor 10-24 Thread
21025	Anti-drip adaptor 12-24 Thread

303 Stainless Steel Anti-drip Adapter



PN	Description
21035	Anti-drip adaptor 10-24 Thread
21036	Anti-drip adaptor 12-24 Thread

6" Flexible Nozzle Extension



PN	Description
21031	6" flex nozzle, brass 10-24 thread
21033	6" flex nozzle, brass 12-24 thread

Auto Drain Valve



PN	Description
21027	Auto-drain, brass 10-24 thread
21034	Auto-drain, brass 12-24 thread
21042	Auto-drain 303 SS 10-24 thread
21043	Auto-drain 303 SS 12-24 thread



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