

UltiMist™

Misting Nozzles

DESIGN FEATURES

Metal:

- 416 Stainless Steel tip
- Brass body
- 1/8" and 1/4" sizes
- Male or female connections
- Integral 100 mesh strainer

Plastic:

- All plastic construction
- 1/8" male connection

SPRAY CHARACTERISTICS

- Very fine, fog-like mist
- Produces high number of droplets under 60 microns

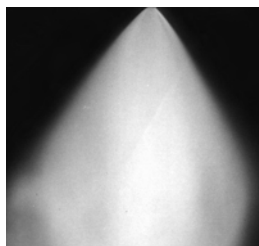
Spray pattern: Hollow Cone
Medium angle

Flow rates: Metal: 0.37 - 16.4 gph
Plastic: 0.63 - 8.5 gph

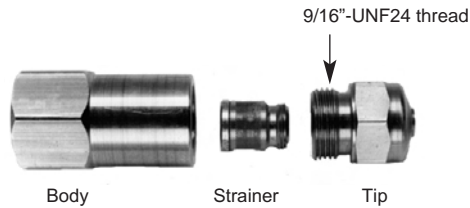


Plastic Nozzle

Metal



Mist

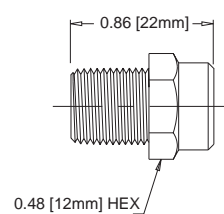
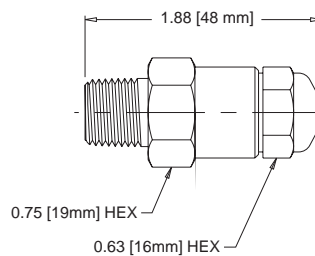


Body

Strainer

Tip

9/16"-UNF24 thread



Dimensions are approximate. Check with BETE for critical dimension applications.

UltiMist Metal Flow Rates and Dimensions

Hollow Cone, Medium Spray Angle, 1/8" and 1/4" Pipe Sizes

NPT, BSP Male or Female Pipe Size	Nozzle Number	K Factor	GALLONS PER HOUR @ PSI				
			40 PSI	100 PSI	500 PSI	1000 PSI	1200 PSI
1/8	UM37M	0.059	0.37	0.59	1.3	1.9	2.0
	UM50M	0.079	0.50	0.79	1.8	2.5	2.7
	UM75M	0.119	0.75	1.2	2.7	3.8	4.1
or	UM100M	0.158	1.0	1.6	3.5	5.0	5.5
	UM150M	0.237	1.5	2.4	5.3	7.5	8.2
1/4	UM200M	0.316	2.0	3.2	7.1	10.0	11.0
	UM250M	0.395	2.5	4.0	8.8	12.5	13.7
	UM300M	0.474	3.0	4.7	10.6	15.0	16.4

Flow Rate (GPH) = $K \sqrt{PSI}$

Standard Material: 416 Stainless Steel Tip, Brass Adapter/Body

UltiMist Plastic Flow Rates

Hollow Cone, Wide Spray Angle, 1/8" Pipe Size and Flange Connection

NPT Male Pipe Size	Nozzle Number	K Factor	GALLONS PER HOUR @ PSI				
			40 PSI	60 PSI	100 PSI	200 PSI	1000 PSI
1/8	UML63M	0.100	0.63	0.77	1.0	1.4	3.2
	UML63W	0.100	0.63	0.77	1.0	1.4	3.2
	UML126M	0.200	1.3	1.5	2.0	2.8	6.3
	UML170M	0.270	1.7	2.1	2.7	3.8	8.5

Flow Rate (GPH) = $K \sqrt{PSI}$

Standard Material: Polyacetal

Spray angle performance varies with pressure. Contact BETE for specific data on critical applications.

