

# 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



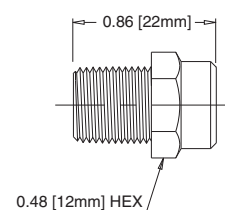
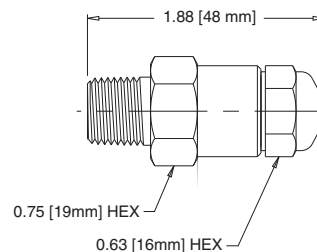
Plastic Nozzle



Metal



Mist



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
	UM200M	0.316	2.0	3.2	7.1	10.0	11.0
1/4	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) =  $K \sqrt{\text{PSI}}$

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

### UltiMist Plastic Flow Rates

Hollow Cone, Medium Spray Angle, 1/8" Pipe Size

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
	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) =  $K \sqrt{\text{PSI}}$

Standard Material: Polyacetal

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

MISTING

TO ORDER: specify pipe size, connection type, nozzle number, spray angle, and material.