

# UltiMist®

## Misting Nozzles

### DESIGN FEATURES

#### Metal:

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

#### Plastic:

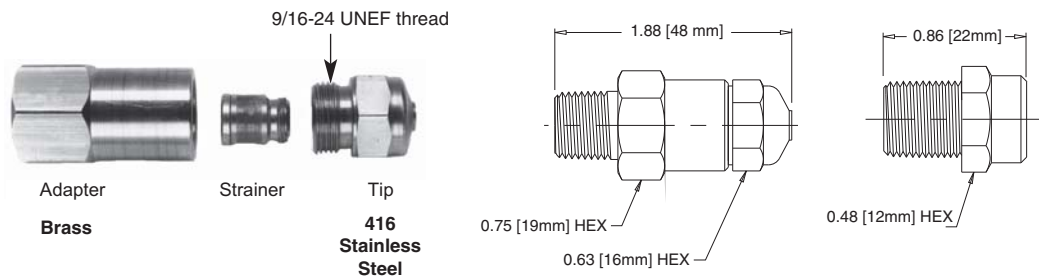
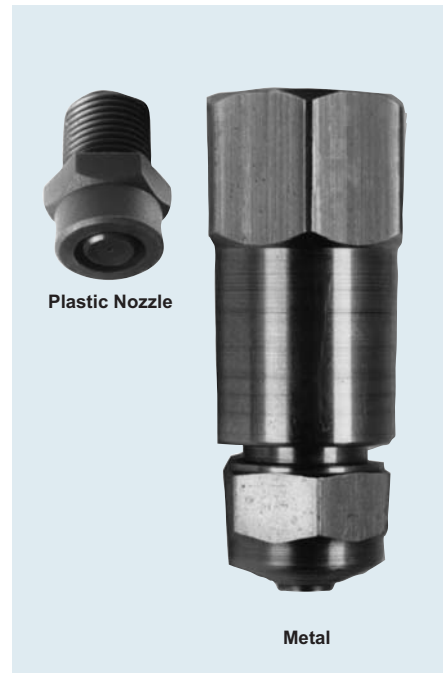
- All plastic construction
- 1/8" male connection

### SPRAY CHARACTERISTICS

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

**Spray pattern:** Hollow Cone  
Medium angle

**Flow rates:** Metal - (1.5 - 61.1 L/hr)  
Plastic - (2.5 - 32.6 L/hr)



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	LITERS PER HOUR @ BAR				
			3 bar	10 bar	40 bar	70 bar	80 bar
1/8	UM37M	0.84	1.5	2.7	5.3	7.1	7.5
	UM50M	1.14	2.0	3.6	7.2	9.5	10.2
	UM75M	1.71	3.0	5.4	10.8	14.3	15.3
or	UM100M	2.28	3.9	7.2	14.4	19.1	20.4
	UM150M	3.42	5.9	10.8	21.6	28.6	30.6
	UM200M	4.56	7.9	14.4	28.8	38.1	40.8
1/4	UM250M	5.70	9.9	18.0	36.0	47.7	51.0
	UM300M	6.84	11.8	21.6	43.2	57.2	61.1

$$\text{Flow Rate (l/hr)} = K \sqrt{\text{bar}}$$

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	LITERS PER HOUR @ BAR				
			3 bar	5 bar	10 bar	20 bar	70 bar
1/8	UML63M	1.44	2.5	3.2	4.6	6.4	12.1
	UML126M	2.88	5.0	6.4	9.1	12.9	24.1
	UML170M	3.89	6.7	8.7	12.3	17.4	32.6

$$\text{Flow Rate (l/hr)} = K \sqrt{\text{bar}}$$

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.