

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:

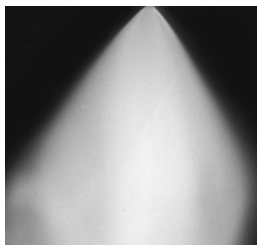
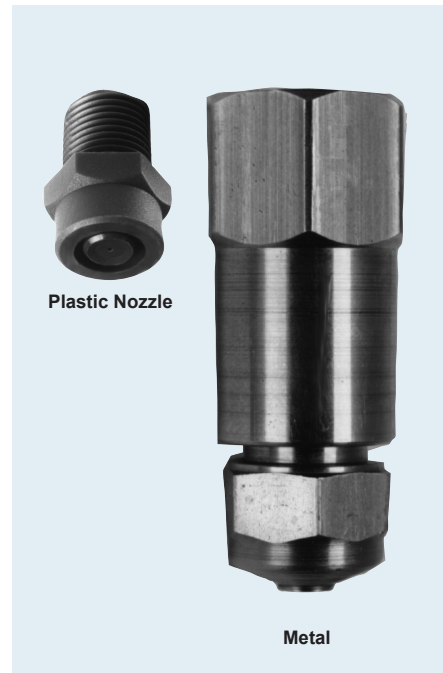
- All plastic construction
- 1/8" male connection

SPRAY CHARACTERISTICS

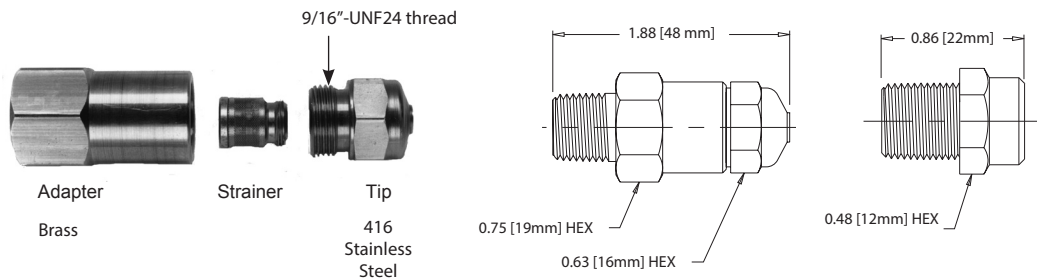
- Very fine, fog-like mist
- Produces high number of droplets under 60 microns

Spray pattern: Hollow Cone
Medium angle

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



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	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
1/4	UM200M	4.56	7.9	14.4	28.8	38.1	40.8
	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, Wide 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
	UML63W	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.