

# UM

## 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

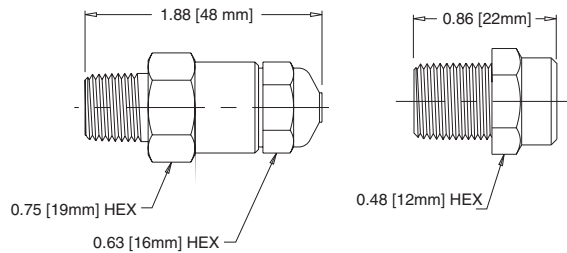
- Very fine, fog-like mist
- Produces high number of droplets under 60 microns

**Spray pattern:** Hollow Cone  
Medium angle

**Flow rates:** Metal - 0.37 - 16.4 gph  
(1.5 - 61.1 l/h)  
Plastic - 0.63 - 8.5 gph  
(2.5 - 32.6 l/h)



Mist



### UM 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					K Factor	LITERS PER HOUR @ BAR				
			40 PSI	100 PSI	500 PSI	1000 PSI	1200 PSI		3 bar	10 bar	40 bar	70 bar	80 bar
1/8	UM37M	0.059	0.37	0.59	1.3	1.9	2.0	0.84	1.5	2.7	5.3	7.1	7.5
	UM50M	0.079	0.50	0.79	1.8	2.5	2.7	1.14	2.0	3.6	7.2	9.5	10.2
	UM75M	0.119	0.75	1.2	2.7	3.8	4.1	1.71	3.0	5.4	10.8	14.3	15.3
or	UM100M	0.158	1.0	1.6	3.5	5.0	5.5	2.28	3.9	7.2	14.4	19.1	20.4
	UM150M	0.237	1.5	2.4	5.3	7.5	8.2	3.42	5.9	10.8	21.6	28.6	30.6
1/4	UM200M	0.316	2.0	3.2	7.1	10.0	11.0	4.56	7.9	14.4	28.8	38.1	40.8
	UM250M	0.395	2.5	4.0	8.8	12.5	13.7	5.70	9.9	18.0	36.0	47.7	51.0
	UM300M	0.474	3.0	4.7	10.6	15.0	16.4	6.84	11.8	21.6	43.2	57.2	61.1

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

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

Standard Material: 416 Stainless Steel Tip, Brass Body

### UM 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					K Factor	LITERS PER HOUR @ BAR				
			40 PSI	60 PSI	100 PSI	200 PSI	1000 PSI		3 bar	5 bar	10 bar	20 bar	70 bar
1/8	UML63M	0.100	0.63	0.77	1.0	1.4	3.2	1.44	2.5	3.2	4.6	6.4	12.1
	UML63W	0.100	0.63	0.77	1.0	1.4	3.2	1.44	2.5	3.2	4.6	6.4	12.1
	UML126M	0.200	1.3	1.5	2.0	2.8	6.3	2.88	5.0	6.4	9.1	12.9	24.1
	UML170M	0.270	1.7	2.1	2.7	3.8	8.5	3.89	6.7	8.7	12.3	17.4	32.6

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

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

Standard Material: Polyacetal

SPECIAL PURPOSE

CALL 413-772-2166  
Call for the name of your nearest BETE representative.