UltiMist®

(UM) Misting Nozzles

DESIGN FEATURES

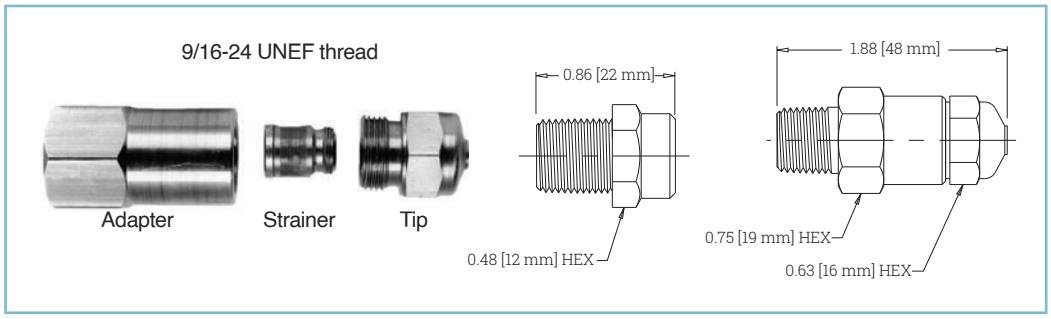
- Very fine, fog-like mist
- Produces a high number of droplets under 60 microns
- Plastic nozzle includes integrated check valve to prevent dripping
- Metal nozzle includes integral 100 mesh strainer

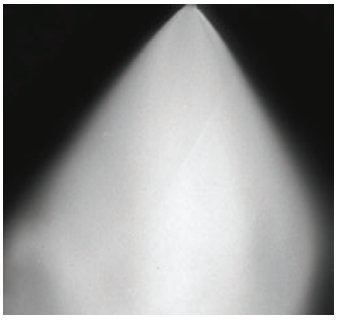
SPRAY CHARACTERISTICS

- Medium angle, hollow cone pattern

Flow rates: 1.5 to 61.1 l/h (metal), 2.50 to 32.6 l/h (plastic)

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





Drawing dimensions listed are within a tolerance +/- 1/32"

UltiMist Metal Flow Rates

Materials: 416 Stainless Steel Tip, Brass Adapter/Body

Connections: Male or Female, NPT or BSP

Pipe Size	Nozzle Number	K Factor	Flow Rate (l/h) @ Differential Pressure (bar)				
			3 bar	10 bar	40 bar	70 bar	80 bar
1/8" or 1/4"	UM37M	0.84	1.50	2.70	5.30	7.10	7.50
	UM50M	1.14	2.00	3.60	7.20	9.50	10.2
	UM75M	1.71	3.00	5.40	10.8	14.3	15.3
	UM100M	2.28	3.90	7.20	14.4	19.1	20.4
	UM150M	3.42	5.90	10.8	21.6	28.6	30.6
	UM200M	4.56	7.90	14.4	28.8	38.1	40.8
	UM250M	5.70	9.90	18.0	36.0	47.7	51.0
	UM300M	6.84	11.8	21.6	43.2	57.2	61.1

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

UltiMist Plastic Flow Rates

Material: Polyacetal

Connection: Male NPT

Pipe Size	Nozzle Number	K Factor	Flow Rate (l/h) @ Differential Pressure (bar)				
			3 bar	5 bar	10 bar	20 bar	70 bar
1/8"	UML63M	1.44	2.50	3.20	4.60	6.40	12.1
	UML126M	2.88	5.00	6.40	9.10	12.9	24.1
	UML170M	3.89	6.70	8.70	12.3	17.4	32.6

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

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