

L

Low Flow

DESIGN FEATURES

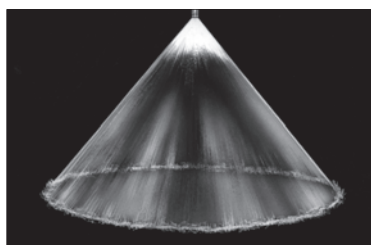
- A series of small spiral nozzles with orifice diameters of 1.02mm to 3.05mm
- Male connection

SPRAY CHARACTERISTICS

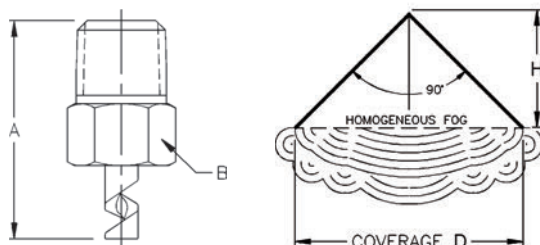
Spray pattern: Hollow Cone Fog, nearly as fine as P Series
Spray angles: 90° standard (120° available by special order)
Flow rates: 0.534 to 14.7 l/min



Metal



Hollow Cone 90°



Fog Pattern

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

L Flow Rates

Hollow Cone, 90° Spray Angle, 1/8" and 1/4" Pipe Sizes, BSP or NPT

Male Pipe Size	Nozzle Number	K Factor	LITERS PER MINUTE @ BAR								Approx. Orifice Dia. (mm)	Spray Dimensions (mm)	
			0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	7 bar		D	H
1/8	L40	0.638	0.534	0.638	0.781	0.902	1.11	1.28	1.43	1.69	1.02	610	305
	L48	0.912	0.76	0.91	1.12	1.29	1.58	1.82	2.04	2.41	1.22	690	345
	L54	1.21	1.01	1.21	1.48	1.71	2.09	2.42	2.70	3.20	1.37	760	380
	L66	1.71	1.43	1.71	2.09	2.42	2.96	3.42	3.82	4.52	1.68	910	455
1/4	L80	2.46	2.06	2.46	3.01	3.48	4.26	4.92	5.50	6.51	2.03	1200	600
	L120	5.54	4.63	5.54	6.78	7.83	9.59	11.1	12.4	14.7	3.05	1500	750

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

Standard Materials: Brass, 303 Stainless Steel, 316 Stainless Steel, and PTFE (L40, L48, L54 not available in PTFE)

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

L Dimensions BSP or NPT

Male Pipe Size	Dimensions (mm)		Wt. (g) Metal
	A	B	
1/8"	28.4	14.3	17
1/4"	33.3	14.3	21

