



THE
SPRAY NOZZLE
PEOPLE

L

Low Flow Spiral
Misting Nozzle



MISTING

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



The L series is the low flow rate variant of the spiral nozzle. It produces an initial hollow cone spray pattern that quickly turns into a fog pattern at a small distance from the nozzle. It is used in a number of applications, including:

Dust Control
Evaporative Cooling
Humidification
Gas Conditioning
Gas Quench
And more.

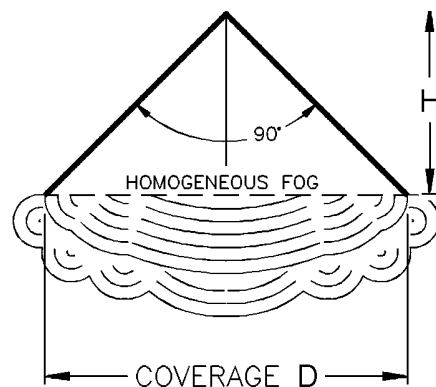
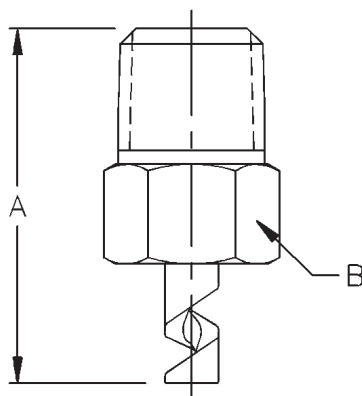
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www.spray-nozzle.co.uk

The Go-to People for spray nozzle solutions



Hollow Cone 90°



L Flow Rates

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

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

Male Pipe Size	Nozzle No.	K Factor	Litres per minute @ BAR								Approx. Orifice Dia. (mm)	Spray Dims (mm)	
			0.7 BAR	1 BAR	1.5 BAR	2 BAR	3 BAR	4 BAR	5 BAR	7 BAR		D	H
1/8" or 1/4"	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
	L80	2.46	2.06	2.46	3.01	3.48	4.26	4.92	5.5	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

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

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

Ask our technical sales engineers about additional products and services to optimise your spraying process.

Spray Calibration Solutions

Easy-to-use, fast measurement solutions to ensure accurate nozzle installation and maintenance, reduce water wastage and identify nozzle wear.



Spray Pattern & Droplet Distribution



Nozzle Flow Calibrators



Nozzle Cleaning Kit

Complete Spray Bars

Tailored nozzle selections and spray bar designs that integrate seamlessly with your new or existing setup.

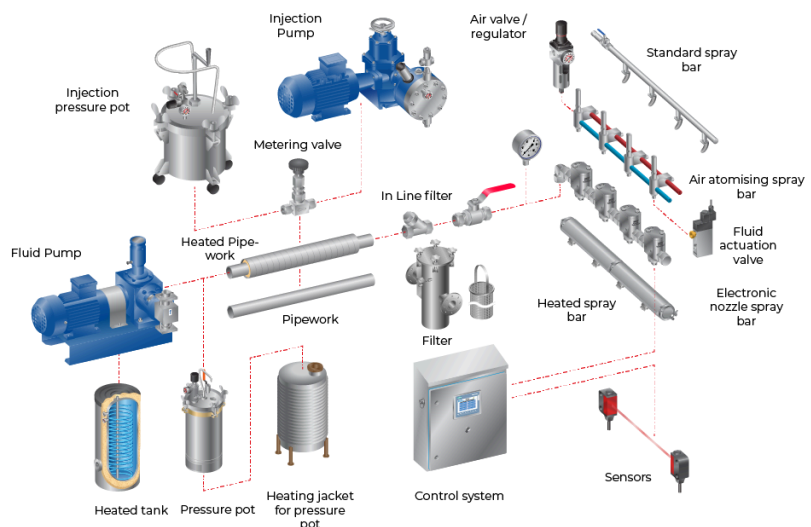
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



Complete Custom Spraying Systems

Complete spraying systems built around your goals and application.

- ✓ Tailored upstream components supplied individually or as part of complete system
- ✓ Custom pipework, pumps, tanks, sensors, valves, heating, control panels and more
- ✓ Seamless integration with existing processes
- ✓ Built to budget and ROI targets
- ✓ End-to-end support: design, install, maintain



THE GO-TO PEOPLE FOR SUCCESSFUL SPRAY ENGINEERING