

L series right angle hollow cone spray nozzles

DESIGN FEATURES

Plastic Hollow cone Spray Nozzle features hollow cone spray pattern with a ring-shaped impact area and spray angles from 51-144 degree.

LG/LF nozzles are ideal for applications requiring good atomization of liquids at lower pressure or when quick heat transfer or effective airborne droplet impingement is required. It has longer extended size and installation separately.

COMMON APPLICATIONS

- Air condition humidifying
- Steam washing
- Environmental protection
- Mixed liquid for flue gas treatment
- Gas washing
- Other heat transfer application

SPRAY PATTERN



WIDE ANGLE (LG)

Nozzle inlet conn.BSPT (F & M)	Capacity size	Diam. Nom. (mm)	Diam. Nom. (mm)	Capacity (liters per minute)											Spray angle		
				0.2Bar	0.5Bar	1.0Bar	1.5Bar	2Bar	3Bar	4Bar	5Bar	6Bar	7Bar	0.5Bar	1.5Bar	6Bar	
1/4"	3/8"	2-5WA	3.2	1.6	0.9	1.3	1.6	1.8	2.2	2.6	2.9	3.1	3.4	126°	135°	131°	
●	●			2-8WA	4.0	1.9	1.0	1.4	1.7	2.0	2.4	2.8	3.2	3.5	3.7	121°	133°
●	●	2-10WA	4.4	2.2	1.1	1.5	1.9	2.2	2.7	3.1	3.5	3.8	4.1	121°	135°	127°	
●	●	2-15WA	5.6	2.4	1.2	1.7	2.1	2.4	3.0	3.5	3.9	4.2	4.6	120°	133°	132°	
●	●	2-20WA	6.0		1.4	1.9	2.3	2.7	3.3	3.8	4.3	4.7	5.1	111°	132°	135°	
●	●	3-5WA	3.2		1.2	1.6	2.0	2.3	2.8	3.3	3.7	4.0	4.3	133°	131°	109°	
●	●	3-8WA	4.0	2	1.4	1.9	2.3	2.7	3.3	3.8	4.3	4.7	5.1	133°	131°	110°	
●	●	3-10WA	4.4	2.4	1.7	2.4	2.9	3.4	4.1	4.7	5.3	5.8	6.3	128°	130°	115°	
●	●	3-15WA	5.6	2.9	1.8	2.6	3.1	3.6	4.4	5.1	5.7	6.3	6.8	128°	130°	118°	
●	●	3-20WA	6.0		1.9	2.7	3.3	3.8	4.7	5.4	6.0	6.6	7.1	119°	134°	136°	
●	●	5-5WA	3.2		1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	125°	112°	98°	
●	●	5-8WA	4.0		1.9	2.7	3.3	3.9	4.7	5.5	6.1	6.7	7.2	125°	112°	97°	
●	●	5-10WA	4.4	3.1	2.2	3.1	3.7	4.3	5.3	6.1	6.8	7.5	8.1	125°	118°	102°	
●	●	5-15WA	5.6	3.5	2.6	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	130°	125°	105°	
●	●	5-20WA	6.0		2.8	3.9	4.8	5.5	6.8	7.8	8.8	9.6	10.4	125°	125°	112°	
●	●	8-5WA	3.2		1.9	2.7	3.3	3.9	4.7	5.5	6.1	6.7	7.2	119°	102°	99°	
●	●	8-8WA	4.0		2.6	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	112°	100°	87°	
●	●	8-10WA	4.4		2.9	4.1	5.1	5.9	7.2	8.3	9.3	10.2	11	115°	102°	90°	
●	●	8-15WA	5.6		3.5	5.0	6.1	7.1	8.7	10.0	11.2	12.3	13.3	121°	110°	98°	
●	●	8-20WA	6.0		3.9	5.5	6.7	7.7	9.5	10.9	12.2	13.4	14.5	121°	113°	106°	
●	●	10-5WA	3.2		2.1	3	3.6	4.2	5.1	5.9	6.6	7.3	7.8	115°	98°	85°	
●	●	10-8WA	4.0		2.8	3.9	4.8	5.5	6.8	7.8	8.8	9.6	9.6	104°	95°	84°	
●	●	10-10WA	5.5		3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	111°	97°	89°	
●	●	10-15WA	5.6		3.9	5.5	6.7	7.7	9.5	10.9	12.2	13.4	14.5	113°	104°	97°	
●	●	10-20WA	6.0		4.5	6.4	7.8	9.0	11.1	12.8	14.3	15.6	16.9	118°	107°	102°	
●	●	15-5WA	3.2			3.5	4.2	4.9	6.0	6.9	7.7	8.5	9.2		91°	80°	
●	●	15-8WA	4.0		3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	102°	93°	80°	
●	●	15-10WA	4.4		3.9	5.5	6.7	7.7	9.5	10.9	12.2	13.4	14.5	107°	97°	83°	
●	●	15-15WA	5.6		4.8	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.1	110°	98°	90°	
●	●	15-20WA	6.0		5.5	7.7	9.5	11	13.4	15.5	17.3	19.0	21	112°	105°	100°	

PERFORMANCE DATA

STANDARD ANGLE (LG)

Nozzle inlet conn. BSPT (F & M)		Capacity size	Diam. Nom. (mm)	Diam. Nom. (mm)	Capacity (liters per minute)										Spray angle		
1/4"	3/8"				0.3Bar	0.5Bar	1.0Bar	1.5Bar	2Bar	3Bar	4Bar	5Bar	6Bar	7Bar	0.5Bar	1.5Bar	6Bar
●	●	2A	2	2		0.64	0.91	1.1	1.3	1.6	1.8	2	2.2	2.4	53°	70°	80°
●	●	2-3A		2.4		0.77	1.1	1.3	1.5	1.9	2.2	2.4	2.7	2.9	61°	76°	83°
●	●	2-5A		2.8		0.9	1.3	1.6	1.8	2.2	2.6	2.9	3.1	3.4	63°	81°	90°
●	●	2-8A		3.6		1.1	1.5	1.8	2.1	2.6	3	3.4	3.7	4	71°	87°	95°
●	●	2-10A		4.4		1.2	1.6	2	2.3	2.8	3.3	3.7	4	4.3	72°	94°	104°
●	●	2-15A		5.2		1.3	1.8	2.2	2.5	3.1	3.6	4	4.4	4.7	77°	100°	111°
●	●	2-20A		6		1.4	2	2.5	2.8	3.5	4	4.5	4.9	5.3	81°	103°	113°
●	●	3-2A	2.4	2		0.84	1.2	1.5	1.7	2.1	2.4	2.7	2.9	3.1	58°	67°	76°
●	●	3A		2.4		0.97	1.4	1.7	1.9	2.4	2.7	3.1	3.3	3.6	55°	79°	80°
●	●	3-5A		2.8		1.2	1.6	2	2.3	2.8	3.3	3.7	4	4.3	72°	82°	86°
●	●	3-8A		3.6		1.4	2	2.5	2.8	3.5	4	4.5	4.9	5.3	73°	88°	92°
●	●	3-10A		4.4		1.5	2.2	3.7	3.1	3.8	4.4	4.9	5.4	5.8	81°	94°	97°
●	●	3-15A		5.2		1.8	2.5	3.1	3.5	4.3	5	5.6	6.1	6.6	83°	93°	100°
●	●	3-20A		6		2	2.8	3.5	4	4.9	5.7	6.3	6.9	7.5	90°	100°	107°
●	●	5-2A	3.6	2			1.6	2	2.3	2.8	3.3	3.7	4	4.3		61°	67°
●	●	5-3A		2.4		1.3	1.9	2.3	2.6	3.2	3.7	4.2	4.6	4.9	57°	68°	69°
●	●	5A		2.8		1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6	70°	75°	79°
●	●	5-8A		3.6		1.9	2.7	3.3	3.9	4.7	5.5	6.1	6.7	7.2	80°	78°	82°
●	●	5-10A		4.4		2.2	3.1	3.7	4.3	5.3	6.1	6.8	7.5	8.1	80°	87°	89°
●	●	5-15A		5.2		2.6	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	83°	91°	95°
●	●	5-20A		6		2.8	3.9	4.8	5.5	6.8	7.8	8.8	9.6	10.4	88°	98°	102°
●	●	8-5A	4.4	2.8		1.9	2.7	3.3	3.9	4.7	5.5	6.1	6.7	7.2	60°	68°	71°
●	●	8A		3.6	1.6	2.6	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	65°	72°	74°
●	●	8-10A		4.4	1.9	3	4.3	5.2	6.1	7.4	8.6	9.6	10.5	11.3	73°	81°	81°
●	●	8-15A		5.2	2.2	3.5	5	6.1	7.1	8.7	10	11.2	12.32	13.3	78°	84°	87°
●	●	8-20A		6	2.4	3.9	5.5	6.7	7.7	9.5	10.9	12.2	13.4	14.5	84°	89°	92°
●	●	10-5A		2.8		2.1	3	3.6	4.2	5.1	5.9	6.6	7.3	7.8	55°	64°	67°
●	●	10-8A		3.6		2.8	3.9	4.8	5.5	6.8	7.8	8.8	9.6	10.4	60°	64°	66°
●	●	10A	4.8	4.4	2	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	70°	76°	75°
●	●	10-15A		5.2	2.4	3.9	5.5	6.7	7.7	9.5	10.9	12.2	13.4	14.5	76°	81°	79°
●	●	10-20A		6	2.9	4.5	6.4	7.8	9	11.1	12.8	14.3	15.6	16.9	78°	85°	98°
●	●	15-5A		2.8			3.5	4.2	4.9	6	6.9	7.7	8.5	9.2		65°	60°
●	●	15-8A		3.6		3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	55°	68°	64°
●	●	15-10A		4.4		3.9	5.5	6.7	7.7	9.5	10.9	12.2	13.4	14.5	65°	75°	71°
●	●	15-15A		5.2	3.1	4.8	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.1	70°	72°	75°
●	●	15-20A	6	3.5	5.5	7.7	9.5	11	13.4	15.5	17.3	19	21	78°	80°	82°	

FL(SS)

Orifice Diam. Nom. (mm)	Item	Parameter unit	Capacity (liters per minute)					
			0.5bar	1bar	1.5bar	2bar	2.5bar	3bar
3	Discharge	Kg/h	68	95	116	134	150	164
	Range of flow	M	0.8	0.9	0.95	1	1.1	1.15
	Spray angle	Degree	58°	68°	76°	82°	83°	83°
4	Discharge	Kg/h	91	128	156	179	200	219
	Range of flow	M	0.8	0.9	0.95	1.1	1.15	1.2
	Spray angle	Degree	68°	84°	89°	93°	99°	102°
5	Discharge	Kg/h	114	160	195	225	251	274
	Range of flow	M	0.85	0.95	1	1.15	1.2	1.2
	Spray angle	Degree	91°	100°	105°	105°	109°	109°

ORDERING INFORMATION

