

FULL CONE SPRAY NOZZLE

FULL CONE SPRAY NOZZLE :

Full Cone nozzle forms complete uniform solid coverage in a cone shaped area.

It provides an uniform spray distribution of medium to large size drops resulting from their vane design which features large flow passage and control characteristics. This is extensively used style in industry.

CHARACTERISTICS: Internal vane design features large flow passage and fine control.

DESIGN: Single piece design, with non clogging slotted vane disc with middle orifice.

APPLICATION: Surface spraying, washing & cooling of flue gasses to remove fly ash, cooling condenser, Scrubbing, Steam Spreading, Foam Breaking.

FLOW RATE: 1.5 LPM to 190 LPM

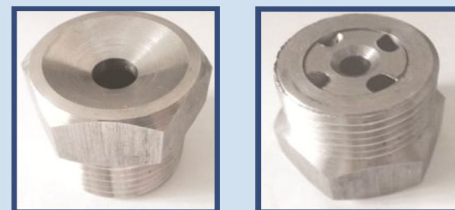
PRESSURE: Minimum 1-6 Kg/cm² or specified.

SPRAY ANGLE: 45 Degree to 110 Degree

END CONNECTION: 3/8" to 1" BSP / NPT End.

M.O.C : S.S 202, 304, 310, 316 / BRASS / ENS.

NOZZLE



SPRAY PATTERN



WL Flow Rates and Dimensions

30°, 60°, 90° and 120° Spray Angles

Male or Female Pipe Size	Nozzle Number	GALLONS PER MINUTE @ PSI										Approx. Orifice Dia. (in.)
		10 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI	150 PSI	200 PSI	400 PSI	
3/8	WL 1	0.52	0.72	0.87	1.00	1.21	1.39	1.54	1.86	2.13	2.95	0.059
	WL 1 1/2	0.78	1.08	1.31	1.50	1.81	2.08	2.31	2.79	3.20	4.43	0.082
	WL 2	1.04	1.44	1.75	2.00	2.42	2.77	3.08	3.72	4.26	5.90	0.125
	WL 3	1.56	2.17	2.62	3.00	3.63	4.16	4.61	5.58	6.39	8.85	0.156
1/2	WL 4	2.08	2.89	3.49	4.00	4.84	5.54	6.15	7.44	8.52	11.8	0.188
	WL 5	2.61	3.61	4.37	5.00	6.05	6.93	7.69	9.31	10.6	14.8	0.203
	WL 6	3.13	4.33	5.24	6.00	7.26	8.31	9.23	11.2	12.8	17.7	0.219
3/4	WL 7	3.65	5.05	6.11	7.00	8.47	9.70	10.8	13.0	14.9	20.7	0.228
	WL 8	4.17	5.78	6.99	8.00	9.68	11.1	12.3	14.9	17.0	23.6	0.234
	WL 10	5.21	7.22	8.74	10.0	12.1	13.8	15.4	18.6	21.3	29.5	0.281
1	WL 12	6.25	8.66	10.5	12.0	14.5	16.6	18.5	22.3	25.6	35.4	0.312
	WL 15	7.82	10.8	13.1	15.0	18.1	20.8	23.1	27.9	32.0	44.3	0.328
	WL 20	10.4	14.4	17.5	20.0	24.2	27.7	30.8	37.2	42.6	59.0	0.375



SHIVAM PROCESS EQUIPMENT

Website : www.industrialspraynozzles.in/ www.shivam-eductors-mixers.com