AIR ATOMIZING / DRY FOG SPRAY NOZZLES

Air Atomizing / Dry Fog Spray Nozzles

Dry fog spray nozzles utilize a collision of metered air and liquid to provide the finest atomization of liquid as fogging.

Application Include:
Dust control, spray drying, humidification, odor control, product coating,product cooling and gas cooling. Spray patterns include flat spray, Wide full cone and narrow full cone.

Fluid Mixing Type:
Internal mixing is impinging and mixing of air and liquid inside the nozzle.It is ideal for use with water or other low viscosity fluids, free from impurities.
External mixing - Non Clogging Type system is air and liquid impingement after the liquid leaves the nozzle orifice and is especially suited to atomizing viscous fluids.(External mix nozzles require a low liquid pressure supply system)

Modes of Liquid Supply:
Pressurized liquid supply provides liquid flow under pressure to the nozzle. Droplet size and flow rates are larger than with either of the other two liquid supply modes, depending on the liquid to air consumption ratio.
Gravity liquid supply utilizes gravity to deliver fluid from an elevated reservoir to the nozzle. Uniform spray performance is achieved by maintaining a constant distance between the fluid level and the nozzle.

Connection Size: Generally ¼ inch, 3/8 inch/½ inch BSP Threads.(F)

Other Higher Size: 20/25 NB are also available upon request.

Flow Rates: 30 ml to 4 LPM (Higher Capacity on Request)

Compressed Air Pressure Required: 3 - 10 BAR or as specified.

1) WIDE ANGLE CIRCULAR SPRAY

2) NARROW ANGLE LONG THROW SPRAY

3) WIDE ANGLE FLAT SCREEN SPRAY

4) EXTERNAL MIX ROUND SPRAY

5) 4 WAYS 360 DEGREE SPRAY

6) 2 WAYS OPPOSITE SPRAY 90 DEGREE

7) 5 WAYS ALL SIDE SPRAY 360 DEGREE

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

AIR ATOMIZING / DRY FOG SPRAY NOZZLES

STANDARD FLOW RATES :-

FOR CUSTOMIZED CONNECTION SIZES AND TECHNICAL SPECIFICATIONS,PLEASE CONTACT US

spray device model	liquid flow (l/min)and flow (l/min)														Size					
	Water pressure (bar)																			
	0.7bar			1.5bar			2bar			3bar			4bar							
	Air pressure (bar)	Water (l/h)	Air (l/min)	Air pressure (bar)	Water (l/h)	Air (l/min)	Air pressure (bar)	Water (l/h)	Air (l/min)	Air pressure (bar)	Water (l/h)	Air (l/min)	Air pressure (bar)	Water (l/h)	Air (l/min)	Air (bar)	Liquid (bar)	A (cm)	B (cm)	C (cm)	D (cm)
SUK16	0.6	5.3	10.2	1.1	8.1	13.3	1.9	8.1	16.4	2.4	8.9	22	3.1	10.5	24	0.7	0.7	14	18	29	1.5
	0.7	4.3	12.2	1.3	7.0	15.0	1.8	6.6	21	2.7	8.1	26	3.4	9.7	28	1.4	1.5	15	19	24	1.8
	0.85	3.0	14.2	1.4	6.4	17.0	2.1	4.9	25	3.0	6.4	30	3.9	7.8	36	1.8	2.0	16	20	25	2.1
	1.0	1.7	17.0	1.5	5.5	19.0	2.4	3.2	29	3.2	4.9	34	4.2	6.1	42	3.0	3.0	16	20	26	2.7
				1.7	4.5	22				3.4	4.2	37	4.6	4.4	47	3.9	4.0	19	23	30	4.0
				1.8	3.5	24				3.5	3.4	40	4.9	2.8	54						
SUK26B	0.85	7.0	5.0	1.7	13.2	68	2.0	18.5	68	2.8	25	84	3.7	31	96						
	1.0	2.1	62	1.8	9.8	79	2.1	15.1	76	3.0	22	92	3.8	28	105	0.85	0.7	18	24	31	1.8
							2.2	11.7	85	3.1	18.5	101	3.9	26	113	1.7	1.5	19	25	33	2.4
										3.2	15.1	119	4.1	23	122	2.1	2.0	19	25	33	3.2
										3.4	12.1	130	4.2	20	130	3.2	3.0	20	26	26	4.1
										3.5	9.1	142	4.6	13.6	153	4.1	4.0	21	28	28	5.9
										3.7	6.1	65	4.9	6.8	183						
SUK26	0.7	24	32	1.4	43	37	2.1	33	66	2.8	52	76	3.7	63	68					36	
	0.85	13.6	44	1.5	35	49	2.2	26	78	3.0	46	87	3.8	68	79	1.85	0.7	19	25	37	2.1
	1.0	7.6	57	1.7	28	61	2.4	18.9	89	3.1	39		3.9	52	101	1.5	1.5	20	27	37	3.2
				1.8	21	71	2.5	11.7	100	3.2	33	99	4.2	41	111	2.4	2.0	20	27	38	4.1
										3.4	28	110	4.6	27	138	3.2	3.0	20	28	38	5.0
										3.5	19.5	122	4.9	15.9	166	3.9	4.0	20	28	39	6.8
										3.7	13.2	133									

spray device model	liquid flow (l/min)and flow (l/min)														Size					
	Water pressure (bar)																			
	0.7bar			1.5bar			2bar			3bar			4bar							
	Air pressure (bar)	Water (l/h)	Air (l/min)	Air pressure (bar)	Water (l/h)	Air (l/min)	Air pressure (bar)	Water (l/h)	Air (l/min)	Air pressure (bar)	Water (l/h)	Air (l/min)	Air pressure (bar)	Water (l/h)	Air (l/min)	Air (bar)	Liquid (bar)	A (cm)	B (cm)	C (cm)	D (cm)
SUK29	1.3	36	85	2.1	57	116	3.1	53	156	4.2	64	197	5.6	74	245						
	1.5	29	102	2.4	51	130	3.2	50	163	4.9	51	230	6.0	68	260	2.0	0.7	20	25	33	5.5
	1.8	23	117	2.7	45	143	3.4	47	170	5.6	40	265	6.3	62	280	3.0	1.5	20	27	34	6.4
	2.0	19.7	125	3.0	39	157	3.5	45	177	6.0	34	285	6.7	56	295	3.9	2.0	22	28	37	8.2
	2.1	16.7	133	3.2	33	170	3.9	38	194	6.3	28	300	7.0	51	315	6.0	3.0	23	29	38	9.1
	2.3	14.0	142	3.5	28	185	4.6	25	230	6.7	22	320				6.3	4.0	24	32	41	10.4
	2.4	11.4	149	4.2	13.6	220	4.9	18.5	245	7.0	17.8	335									
SUK30	1.1	12.3	40	2.2	16.3	62	2.7	21	69	4.2	19.3	100	5.6	22	130						
	1.3	9.9	45	2.5	12.1	71	3.0	16.3	78	4.6	14.6	113	6.0	17.6	142	1.5	0.7	15	19	23	2.7
	1.4	7.9	50	2.8	8.9	79	3.2	12.3	86	4.9	10.8	124	6.3	14.0	152	3.0	1.5	16	20	24	4.6
	1.5	6.1	54	3.0	7.6	83	3.4	10.7	91	5.3	8.1	135	6.7	11.4	163	3.4	2.0	16	20	24	5.5
	1.7	4.9	58	3.1	6.4	87	3.5	9.3	94	5.6	6.2	146	7.0	9.1	174	5.3	3.0	18	22	25	7.3
	1.8	3.9	62	3.2	5.5	91	3.9	6.4	105	6.0	4.9	157				6.3	4.0	19	24	30	9.4
	2.0	3.1	67	3.4	4.7	95	4.2	4.7	115	6.3	4.0	167									
SUK46	1.7	25	156	3.0	39	230	3.4	50	250	4.6	62	320	6.0	93	395	2.0	0.7	24	33	46	5.5
	1.8	19.7	167	3.1	33	240	3.5	43	260	4.9	47	345	6.3	77	425	3.2	1.5	25	34	47	6.4
	2.0	15.1	178	3.2	27	255	3.7	41	275	5.3	36	375	6.7	62	460	3.9	2.0	28	37	51	7.3
	2.1	11.4	193	3.4	23	265	3.9	27	300	5.6	26	405	7.0	52	495	5.3	3.0	29	38	53	7.9
	2.3	7.6	205	3.5	18.5	280	4.1	23	310	6.0	18.9	435				6.3	4.0	33	42	58	9.8
				3.7	14.8	290	4.2	18.9	320	6.3	13.6	460									

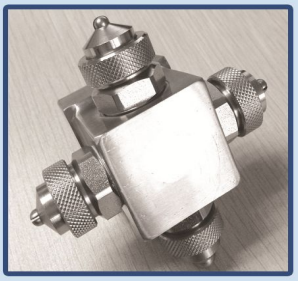
CUSTOMISED DESIGN FOR SPRAY NOZZLES AS PER THE CUSTOMER'S REQUIREMENT WITH ALL SPECIFICATIONS ARE PROVIDED LATER ON APPROVAL

PRECISION TYPE AIR ATOMIZING SPRAY NOZZLE WITH LOW & MODERATE FLOW CAPACITY IN OUR RANGE FOR EASY OPERATION AND FIXING ARRANGEMENTS.

TYPE 8

TYPE 9

TYPE 10



TYPE 11

STANDARD INSTALLATION TYPE 1

STANDARD INSTALLATION TYPE 2

EXTENDED LONG QUILL TYPE

SHIVAM PROCESS EQUIPMENT

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