

# DE large flow air atomizing nozzles

DE series large flow air atomizing nozzle adopts multi-atomizing, with its powerful function, is widely used for dust removing and desulfurizing in firepower plant, dust removing and environment protection in chemical plant and cement plant.



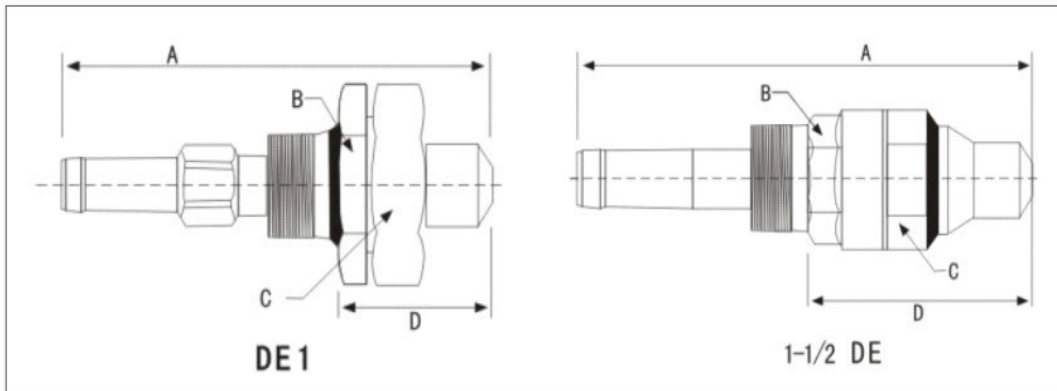
## DESIGN FEATURES

The nozzle can be a double liquid spray nozzle, with steam or air as its second liquid. Third class-atomizing to achieve optimum atomizing capability. Working with high dependability even under the worst condition. Reducing the dosage of compressed air with its high efficiency.

## DE spray equipment, spiral tip and size

Tube diameter	Capacity size	Spray Model number	Spray angle	Spray pattern	Maximum droplet size mm	Dimension mm				Weight (kg)
						A	B	C	D	
1	14	DE101	20°	narrow round angle wide round angle oval-shaped	3.30	148	50.8	50.8	64	0.64
		DE308	90°		2.69					
		DE310	60°		2.69					
		DE402	90°		4.22					
		DE404	60°		4.22					
	20	DE103	20°	narrow round angle wide round angle oval-shaped	6.60	148	50.8	50.8	50.8	0.64
		DE307	90°		3.48					
		DE309	60°		3.48					
		DE401	90°		5.21					
		DE403	60°		5.21					
1 1/2	28	DE2100	20°	narrow round angle wide round angle	9.27	229	50.8	55.6	113	1.5
		DE2310	90°		4.65					
		DE2303	60°		4.65					

Standard material: 316 stainless steel with cobalt metal wearable jacket



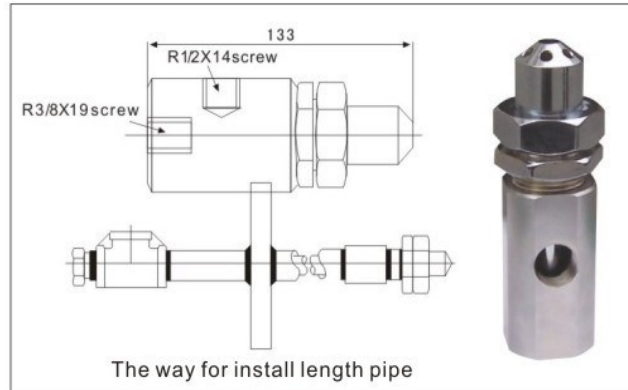
## CHARACTERISTIC



Spray pattern: Hollow cone-shaped and flat fan-shaped.  
 Spray angle: 20 degree to 90 degree.  
 (Other angles are available according to the requirement).  
 Flow rate: 2.0 to 80 L/M.

DE series nozzles can be installed in all ways ,as the pictures shows ,these applications of the device is just for individual customers .In you need more informations ,please contact our engineer . we can offer a engineering manual of the DE series.

When the pressure of the fluid has a tiny change ,the flow rate would have a big variation .We advice that you should control the flow rate with metering pump which would be better .



### PERFORMANCE DATA

#### Narrow angle,wide angle and falt fan,1" to 1-1/2" BSPT or NPT

BSP /NPT	Capacity size	1bar air pressure			2bar air pressure			3bar air pressure			4bar air pressure			5bar air pressure			6bar air pressure			7bar			
		liquid L/min	liquid Bar	Air nm <sup>3</sup> /H	liquid L/min	liquid Bar	Air nm <sup>3</sup> /H	liquid L/min	liquid Bar	Air nm <sup>3</sup> /H	liquid L/min	liquid Bar	Air nm <sup>3</sup> /H	liquid L/min	liquid Bar	Air nm <sup>3</sup> /H	liquid L/min	liquid Bar	Air nm <sup>3</sup> /H	liquid L/min	liquid Bar	Air nm <sup>3</sup> /H	
1"	14	2	0.9	25	2	1.9	45	2	2.8	60.2	2	3.7	86.3	2	4.6	105	2	5.7	137	2	6.4	149	
		3	0.9	20.2	3	1.9	39	3	2.8	56.8	3	3.8	79.8	3	4.7	97.9	3	5.7	136	3	6.5	146	
		4	1	17.3	4	2	29.1	4	2.9	50.8	4	3.8	73	4	4.8	88.9	4	5.9	123	4	6.5	134	
					5	2	26.8	5	3	43.8	5	3.9	64.8	5	4.8	82.6	5	5.9	110	5	6.6	117	
					6	2.1	24.4	6	3	41.2	6	3.9	57.9	6	4.9	78.3	6	6.1	100	6	6.7	112	
					7	2.1	21.9	7	3	38.5	7	4	53.2	7	5	69.9	7	6.2	84.9	7	6.8	107	
								8	3.1	35.4	8	4.1	49.9	8	5	66.7	8	6.2	88.9	8	6.9	100	
											9	4.1	47	9	5.1	64.1	9	6.3	79.8	9	7	93.2	
											10	4.2	45.3	10	5.1	60.5	10	6.4	75.2	10	7.1	86	
											12	4.4	39.3	12	5.3	53.2	12	6.6	69.6	12	7.2	83.6	
																12	6.6	68.4	12	7.3	80.3		
		20	4	0.2	34.9	4	1.5	64.4	4	2.4	91.7	4	3.2	117	4	4	140	4	4.8	161	4	5.6	180
			8	0.8	24.3	8	1.7	45.9	8	2.6	68.1	8	3.5	91	8	4.4	114	8	5.2	139	8	6	163
					11	1.9	35.8	11	2.9	56.3	11	3.8	78	11	4.6	101	11	5.3	125	11	6	151	
					15	2.1	26.8	15	3	45.8	15	3.9	65.2	15	4.8	85.2	15	5.6	105	15	6.4	126	
					19	2.2	23.6	19	3.1	39	19	4.1	55.9	19	5	74.4	19	5.8	94.3	19	6.7	116	
					23	2.4	21.8	23	3.3	36.7	23	4.2	51.6	23	5.1	67.2	23	5.9	82.8	23	6.8	96.7	
								26	3.5	31.8	26	4.4	46.9	26	5.2	61.6	26	6.1	76.1	26	6.9	90.2	
											30	4.5	42.9	30	5.4	55.6	30	6.2	70.4	30	7.1	87.4	
											34	4.7	37	34	5.6	50.6	34	6.5	62.7	34	7.3	73.2	
										38	5	32.4	38	5.9	47.2	38	6.7	57.8	38	7.5	64.2		
1-1/2"	28							40	3.1	76.3	40	4	107	40	5	142	40	6	183	40	7	229	
								45	3.2	69	45	4.2	97.4	45	5.2	130	45	6.2	167	45	7.3	208	
								50	3.3	61.8	50	4.2	88.4	50	5.2	118	50	6.3	152	50	7.3	189	
								55	3.4	55.5	55	4.3	80.7	55	5.3	109	55	6.3	141	55	7.4	175	
								60	3.5	49.1	60	4.4	73.2	60	5.4	100	60	6.4	130	60	7.5	162	
								65	3.6	43.1	65	4.6	66.3	65	5.6	92.3	65	6.6	121	65	7.6	152	
								70	3.8	37.5	70	4.8	60.2	70	5.8	85.8	70	6.8	114	70	7.9	145	
								75	4	32.1	75	5	54.6	75	6.1	80.2	75	7.1	109	75	8.2	141	
								80	4.2	27.1	80	5.2	49.8	80	6.2	76	80	7.2	106	80	8.2	139	

Standard material: 316SS, Co alloy 6 wear sheath, other material pls find the stock list as reference.

Pls clearly indicate : the pipe diameter, way of connection, nozzle type, spray angle and metal.

### ORDERING INFORMATION

