

Common Wide-angle Spray Nozzle

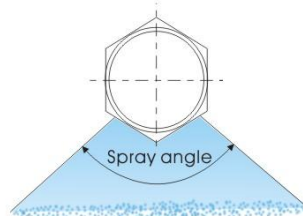
W

1/8"-1" NPT
or BSPT(male)



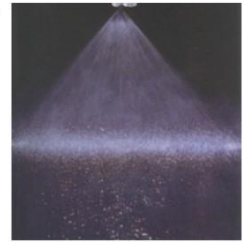
Nozzle Dimension

Nozzle type		
Nozzle Dimension	Hexagona l(mm)	Nozzle length (mm)
1/8	14.3	31
1/4	14.3	34



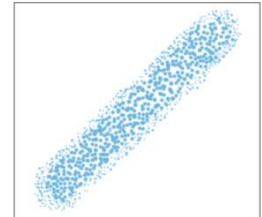
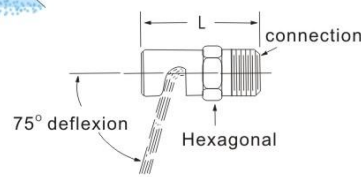
Common application

- Clarify board of spraying air
- Cooling conveyer belt
- Film development
- Fire proofing
- Water curtain



Dimension and weight

For the highest for each style:



W Common Wide-angle Spray Nozzle design features

W Common Wide-angle Spray Nozzle can produce secondary wide-angle sector spraying shape and uniform spraying drop. The round spray hole and large flow channel offer you least barrier.

It can also be applied in spraying of air or steam. The nozzles have precise diversion area, to well master the slanting angle and spraying angle.

It is made of firm stick with a outer inlet joint.

Performance data

Air and steam

Capacity Size	Orifice Dia. No. Size (mm)	Air capacity (L/ m)				Steam capacity (L/ min)				The coverage of 150mm	
		0.7bar	1.5bar	3bar	3.5bar	0.7bar	1.5bar	3bar	3.5bar	0.7bar	1.5bar
0.50	0.61	4.5	6.4	10.5	11.6	0.16	0.23	0.37	0.41	51	127
0.75	0.71	6.2	9.1	14.7	16.7	0.23	0.33	0.53	0.66	64	140
1	0.84	9.6	13.7	22	25	0.34	0.49	0.80	0.90	76	152
1.5	1.04	15.3	22	36	40	0.54	0.78	1.3	1.5	89	165
2	1.17	19.3	28	45	51	0.68	1.0	1.6	1.8	102	190
2.5	1.32	27	37	60	71	0.95	1.3	2.1	2.5	102	190
3	1.45	31	47	77	85	1.1	1.7	2.7	3.0	127	203
4	1.65	40	57	85	108	1.4	2.0	3.1	3.9	127	228
5	1.85	54	76	124	139	1.9	2.7	4.5	5.0	152	267
7.5	2.31	79	117	189	210	2.9	4.2	6.8	7.6	152	267
10	2.64	110	159	255	290	3.9	5.7	9.2	10.4	178	279
15	3.28	181	260	420	475	6.5	9.3	15.0	17.1	178	305
20	3.76	225	325	520	590	8.0	11.6	18.8	21	216	368
30	4.57	320	465	760	850	11.6	16.8	27	30	216	394

Liquid

Nozzle Inlet Conn. NPT or BSPT(male)						Capacity Size	Rated Orifice Dia. (mm)	Capacity (L/min)								Spray angle			
								0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	4 bar
1/8	1/4	3/8	1/2	3/4	1														
●						0.25	0.41					0.11	0.14	0.16	0.20	0.23		83°	117°
●		●				0.50	0.61					0.23	0.28	0.32	0.39	0.46		89°	122°
●		●				0.75	0.71				0.29	0.34	0.42	0.48	0.59	0.68		106°	125°
●		●				1	0.84				0.38	0.46	0.56	0.64	0.79	0.91		109°	128°
		●				1.5	1.0			0.48	0.57	0.68	0.84	0.97	1.2	1.4	73°	108°	125°
●	●	●				2	1.2			0.64	0.76	0.91	1.1	1.3	1.6	1.8	83°	113°	129°
●	●	●				2.5	1.3		0.62	0.81	0.95	1.1	1.4	1.6	2.0	2.3	98°	122°	133°
●	●	●				3	1.4		0.75	0.97	1.1	1.4	1.7	1.9	2.4	2.7	86°	112°	126°
●		●				4	1.7		1.0	1.3	1.5	1.8	2.2	2.6	3.2	3.6	97°	123°	132°
●	●	●				5	1.9	1.0	1.2	1.6	1.9	2.3	2.8	3.2	3.9	4.6	114°	128°	142°
●	●	●				7.5	2.3	1.5	1.9	2.4	2.9	3.4	4.2	4.8	5.9	6.8	101°	119°	134°
●	●	●				10	2.6	2.0	2.5	3.2	3.8	4.6	5.6	6.4	7.9	9.1	115°	133°	145°
●	●	●				12	2.9	2.4	3.0	3.9	4.6	5.5	6.7	7.7	9.5	10.9	128°	139°	153°
●	●	●				15	3.3	3.1	3.7	4.8	5.7	6.8	8.4	9.7	11.8	13.7	98°	113°	123°
●	●	●				18	3.6	3.7	4.5	5.8	6.9	8.2	10.0	11.6	14.2	16.4	106°	120°	131°
●	●					20	3.8	4.1	5.0	6.4	7.6	9.1	11.2	12.9	15.8	18.2	110°	122°	133°
	●					22	4.0	4.5	5.5	7.1	8.4	10.0	12.3	14.2	17.4	20	113°	125°	136°
	●					24	4.1	4.9	6.0	7.7	9.2	10.9	13.4	15.5	18.9	22	115°	131°	144°
	●					27	4.4	5.5	6.7	8.7	10.3	12.3	15.1	17.4	21	25	119°	135°	148°
		●				30	4.6	6.1	7.5	9.7	11.4	13.7	16.7	19.3	24	27	100°	110°	121°
		●				35	5.0	7.1	8.7	11.3	13.3	16.0	19.5	23	28	32	105°	118°	128°
		●	●			40	5.3	8.2	10.0	12.9	15.3	18.2	22	26	32	36	111°	126°	136°
		●				45	5.6	9.2	11.2	14.5	17.2	21	25	29	36	41	115°	130°	140°
			●			50	6.0	10.2	12.5	16.1	19.1	23	28	32	39	46	117°	131°	140°
			●			60	6.5	12.2	15.0	19.3	23	27	33	39	47	55	120°	134°	142°
			●		●	70	7.1	14.3	17.5	23	27	32	39	45	55	64	123°	137°	146°
			●		●	80	7.5	16.3	20	26	31	36	45	52	63	73	127°	138°	149°
	●			●		90	8.0	18.3	22	29	34	41	50	58	71	82	120°	133°	140°
	●			●		100	8.4	20	25	32	38	46	56	64	79	91	123°	136°	145°
	●			●		110	8.8	22	27	35	42	50	61	71	87	100	125°	138°	148°
		●		●		120	9.3	24	30	39	46	55	67	77	95	109	129°	143°	150°
		●		●		140	10.3	29	35	45	53	64	78	90	111	128	118°	127°	135°
		●		●		160	11.1	33	40	52	61	73	89	103	126	146	121°	130°	137°
			●	●		180	11.5	37	45	58	69	82	100	116	142	164	124°	133°	139°
			●	●		210	12.3	43	52	68	80	96	117	135	166	191	128°	139°	145°
			●		●	300	14.7	61	75	97	114	137	167	193	235	275	110°	128°	135°
					●	450	17.9	92	112	145	172	205	250	290	355	410	118°	132°	138°

ordering info

W — **1/8** — **SS** **0.50**
 ↓ ↓ ↓ ↓
 Nozzle Inlet Material Capacity
 type size code size

Remark:
 BRASS
 SS-stainless steel
 316SS-316 stainless steel
 PVC-Poly(vinyl chloride)
 PP-Poly propylene