



AD Type



Removable Cap

Design Features

- Spray Angle : 52°-124°.
- Spray Pattern : Hollow cone- shaped spray pattern with a ring-shaped impact area.
- Drops : Small- to medium-size, uniform distribution over a wide range of flow rates and pressure.
- Material : BRASS/SS
- Features : Interchangeable spray caps within each inlet connection size group for maximum versatility;
Lower profile projection for installation in a tee or pipe header.

Applications

- Water aerating
- Degreasing
- Dust control
- Metal treating
- Gas cooling & scrubbing
- Washing & cooling

Order Info

AD	-	3/4	-	SS	-	10
Nozzle Type	Inlet Conn	Material Code	Capacity	Size		

For NPT threaded connections, add the letter "N" before the nozzle connection size.

基本参数

· Standard Angle

At the stated pressure in bar.

Inlet Conn. (in.)	Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)												Spray Angle (°)		
			0.2bar	0.4bar	0.5bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	6bar	7bar	0.5bar	1.5bar	6bar	
3/8	2	2.0	0.14	0.58	0.64	0.76	0.91	1.1	1.3	1.6	1.8	2.2	2.4	-	60	70	
	3	2.4	0.61	0.86	0.97	1.1	1.4	1.7	1.9	2.4	2.7	3.4	3.6	52	64	77	
	5	3.2	1.0	1.4	1.6	1.9	2.3	2.8	3.2	3.9	4.6	5.6	6.0	56	67	76	
	8	4.0	1.6	2.3	2.6	3.1	3.6	4.5	5.2	6.3	7.3	8.9	9.6	56	65	70	
	10	4.4	2.0	2.9	3.2	3.8	4.6	5.6	6.4	7.9	9.1	11.2	12.1	55	65	72	
	20-10	4.4	-	4.0	4.5	5.3	6.4	7.8	9.0	11.1	12.8	15.6	16.9	61	65	67	
1/2	5	3.6	1.0	1.4	1.6	1.9	2.3	2.8	3.2	3.9	4.6	5.6	6.0	63	73	79	
	8	4.0	1.6	2.3	2.6	3.1	3.6	4.5	5.2	6.3	7.3	8.9	9.6	61	69	73	
	10	4.4	2.0	2.9	3.2	3.8	4.6	5.6	6.4	7.9	9.1	11.2	12.1	63	70	74	
	15	5.2	3.1	4.3	4.8	5.7	6.8	8.4	9.7	11.8	13.7	16.8	18.1	60	67	70	
	20	6.0	4.1	5.8	6.4	7.6	9.1	11.2	12.9	15.8	18.2	22	24	63	65	69	
	25	7.1	5.1	7.2	8.1	9.5	11.4	14.0	16.1	19.7	23	28	30	59	63	68	
3/4	5	3.2	1.0	1.4	1.6	1.9	2.3	2.8	3.2	3.9	4.6	5.6	6.0	64	73	79	
	8	4.0	1.6	2.3	2.6	3.1	3.6	4.5	5.2	6.3	7.3	8.9	9.6	62	70	74	
	10	4.4	2.0	2.9	3.2	3.8	4.6	5.6	6.4	7.9	9.1	11.2	12.1	64	72	75	
	15	5.6	3.1	4.3	4.8	5.7	6.8	8.4	9.7	11.8	13.7	16.8	18.1	64	72	74	
	20	6.4	4.1	5.8	6.4	7.6	9.1	11.2	12.9	15.8	18.2	22	24	63	70	74	
	25	7.5	5.1	7.2	8.1	9.5	11.4	14.0	16.1	19.7	23	28	30	63	70	74	
	50-50.3	9.5	10.2	14.4	16.1	19.1	23	28	32	39	46	56	60	70	72	73	
1-1/2	40	7.9	8.2	11.5	12.9	15.3	18.2	22	26	32	36	45	48	70	73	74	
	50	9.5	10.2	14.4	16.1	19.1	23	28	32	39	46	56	60	72	75	77	
	60	11.1	12.2	17.3	19.3	23	27	34	39	47	55	67	72	74	76	79	
	70	12.7	14.3	20	23	27	32	39	45	55	64	78	84	76	79	83	
	80	14.3	16.3	23	26	31	36	45	52	63	73	89	96	78	82	84	
	90	14.7	18.3	26	29	34	41	50	58	71	82	101	109	81	84	84	
	100	15.9	20	29	32	38	46	56	64	79	91	112	121	83	86	86	
	110	17.1	22	32	35	42	50	61	71	87	100	123	133	85	88	88	
	120	18.3	24	35	39	46	55	67	77	95	109	134	145	87	90	90	



• Wide Angle

在指定的压力下(以bar为单位)。

Inlet Conn. (in.)	Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)												Spray Angle (°)		
			0.2bar	0.4bar	0.5bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	6bar	7bar	0.5bar	1.5bar	6bar	
3/8	3-2W	2.0	-	-	0.73	0.84	1.0	1.2	1.4	1.7	2.0	2.5	2.7	112	109	90	
	3-3W	2.8	-	-	0.96	1.1	1.4	1.7	1.9	2.4	2.7	3.4	3.6	115	112	97	
	3-5W	3.2	-	-	1.1	1.3	1.6	1.9	2.2	2.7	3.1	3.8	4.2	117	113	103	
	5-5W	3.2	-	-	1.6	1.9	2.3	2.8	3.2	3.9	4.5	5.6	6.1	115	112	102	
	5-10W	4.4	-	1.5	2.1	2.5	3.0	3.6	4.1	5.1	6.0	7.2	8.0	119	119	109	
	8-8W	3.9	-	1.8	2.6	3.1	3.6	4.4	5.2	6.3	7.4	9.0	9.5	116	110	98	
	8-10W	4.4	-	2.1	2.9	3.4	4.1	5.1	6.0	7.1	8.2	9.9	10.7	118	113	101	
1/2	10-10W	4.4	-	2.3	3.2	3.8	4.5	5.5	6.3	7.9	9.3	11.0	11.8	118	111	100	
	5-3W	2.8	0.67	0.75	1.0	1.2	1.5	1.8	2.0	2.5	2.9	3.5	3.8	118	113	100	
	5-5W	3.2	1.0	1.1	1.6	1.9	2.3	2.8	3.2	3.9	4.5	5.6	6.1	121	116	102	
	8-8W	3.9	1.6	1.8	2.6	3.1	3.6	4.4	5.2	6.3	7.4	9.0	9.5	119	113	103	
	10-15W	5.6	2.5	2.8	3.9	4.6	5.6	6.7	7.8	9.5	11.1	13.4	14.5	120	112	102	
3/4	15-15W	5.6	3.0	3.4	5.0	5.7	6.7	8.3	9.7	11.9	14.1	16.7	18.3	117	111	104	
	8-25W	7.5	2.6	2.9	4.2	5.0	6.0	7.5	8.6	10.3	11.9	14.6	15.6	124	120	111	
	10-10W	4.4	2.0	2.2	3.2	3.8	4.5	5.5	6.3	7.9	9.3	11.0	11.8	118	111	100	
	10-30W	7.9	3.7	4.1	6.2	7.2	8.6	10.3	11.9	14.6	16.8	21	23	124	117	108	
	15-15W	5.6	3.0	3.4	5.0	5.7	6.7	8.3	9.7	11.9	13.8	16.7	18.3	117	112	102	
	15-25W	7.5	4.1	4.6	6.2	7.3	8.9	10.7	12.6	15.4	17.9	22	23	119	114	106	
	20-25W	7.5	4.8	5.4	8.1	9.5	11.5	13.8	16.0	19.7	23	28	30	118	112	105	
	20-30W	7.9	5.2	5.8	8.5	9.9	11.9	14.6	16.8	21	24	29	31	118	112	105	
	25-25W	7.5	5.2	5.8	8.1	9.5	11.5	13.8	16.0	19.7	23	28	30	117	110	103	
	25-30W	7.9	5.6	6.3	8.9	10.7	12.7	15.8	18.2	22	26	31	34	117	110	103	

• Special size please consult our sale dept!