

HOLLOW CONE SPRAY NOZZLES

■ PERFORMANCE DATA: STANDARD ANGLE SPRAY

Inlet Conn. (in.)	Nozzle Type	Capacity Size	Inlet Dia. Nom. (in.)	Orifice Dia. Nom. (in.)	Flow Rate Capacity (gallons per minute)											Spray Angle (°)		
	NPBD				3psi	5psi	7psi	10psi	15psi	20psi	30psi	40psi	60psi	80psi	100psi	7psi	20psi	80psi
3/8	•	2	.094	.078	.11	.14	.17	.20	.24	.28	.35	.40	.49	.57	.63	51	60	70
	•	3	.094	.094	.16	.21	.25	.30	.37	.42	.52	.60	.73	.85	.95	52	64	77
	•	5	.109	.125	.27	.35	.42	.50	.61	.71	.87	1.0	1.2	1.4	1.6	56	67	76
	•	8	.156	.156	.44	.57	.67	.80	.98	1.1	1.4	1.6	2.0	2.3	2.5	56	65	70
	•	10	.156	.172	.55	.71	.84	1.0	1.2	1.4	1.7	2.0	2.4	2.8	3.2	55	65	72
	•	20-10	.156*	.172	—	4.0	1.1	1.4	1.7	1.9	2.4	2.7	3.3	3.8	4.3	61	65	67
1/2	•	5	.125	.141	.27	.35	.42	.50	.61	.71	.87	1.0	1.2	1.4	1.6	63	73	79
	•	8	.156	.156	.44	.57	.67	.80	.98	1.1	1.4	1.6	2.0	2.3	2.5	61	69	73
	•	10	.172	.172	.55	.71	.84	1.0	1.2	1.4	1.7	2.0	2.4	2.8	3.2	63	70	74
	•	15	.172*	.203	.82	1.1	1.3	1.5	1.8	2.1	2.6	3.0	3.7	4.2	4.7	60	67	70
	•	20	.188*	.234	1.1	1.4	1.7	2.0	2.4	2.8	3.5	4.0	4.9	5.7	6.3	63	65	69
	•	25	.203*	.281	1.4	1.8	2.1	2.5	3.1	3.5	4.3	5.0	6.1	7.1	7.9	59	63	68
3/4	•	5	.141	.125	.27	.35	.42	.50	.61	.71	.87	1.0	1.2	1.4	1.6	64	73	79
	•	8	.172	.156	.44	.57	.67	.80	.98	1.1	1.4	1.6	2.0	2.3	2.5	62	70	74
	•	10	.203	.172	.55	.71	.84	1.0	1.2	1.4	1.7	2.0	2.4	2.8	3.2	64	72	75
	•	15	.250	.219	.82	1.1	1.3	1.5	1.8	2.1	2.6	3.0	3.7	4.2	4.7	64	72	74
	•	20	.281	.250	1.1	1.4	1.7	2.0	2.4	2.8	3.5	4.0	4.9	5.7	6.3	63	70	74
	•	25	.281	.297	1.4	1.8	2.1	2.5	3.1	3.5	4.3	5.0	6.1	7.1	7.9	63	70	74
1-1/2	•	50-50.3	.281*	.375	2.7	3.5	4.2	5.0	6.0	7.0	8.5	10.0	12.2	14.1	15.8	70	72	73
	•	40	.375*	.313	2.2	2.8	3.3	4.0	4.9	5.7	6.9	8.0	9.8	11.3	12.6	70	73	74
	•	50	.375*	.375	2.7	3.5	4.2	5.0	6.1	7.1	8.7	10.0	12.2	14.1	15.8	72	75	77
	•	60	.375*	.438	3.3	4.2	5.0	6.0	7.3	8.5	10.4	12.0	14.7	17.0	19.0	74	76	79
	•	70	.375*	.500	3.8	4.9	5.9	7.0	8.6	9.9	12.1	14.0	17.1	19.8	22	76	79	83
	•	80	.375*	.563	4.4	5.7	6.7	8.0	9.8	11.3	13.9	16.0	19.6	23	25	78	82	84
	•	90	.375*	.578	4.9	6.4	7.5	9.0	11.0	12.7	15.6	18.0	22	25	28	81	84	84
	•	100	.375*	.625	5.5	7.1	8.4	10.0	12.2	14.1	17.3	20	24	28	32	83	86	86
	•	110	.375*	.672	6.0	7.8	9.2	11.0	13.5	15.6	19.1	22	27	31	35	85	88	88
	•	120	.375*	.719	6.6	8.5	10.0	12.0	14.7	17.0	21	24	29	34	38	87	90	90

*Dual inlets, each in diameter specified.

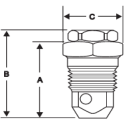
HOLLOW CONE NOZZLES

■ PERFORMANCE DATA: WIDE ANGLE SPRAY

Inlet Conn. (in.)	Nozzle Type	Capacity Size	Inlet Dia. Nom. (in.)	Orifice Dia. Nom. (in.)	Flow Rate Capacity (gallons per minute)											Spray Angle (°)		
					3psi	5psi	7psi	10psi	15psi	20psi	30psi	40psi	60psi	80psi	100psi	7psi	20psi	80psi
3/8	•	3-2W	.094	.078	—	—	.19	.22	.27	.31	.38	.44	.54	.62	.70	112	109	90
	•	3-3W	.094	.109	—	—	.25	.30	.37	.42	.52	.60	.73	.85	.95	115	112	97
	•	3-5W	.094	.125	—	—	.29	.34	.42	.48	.59	.68	.83	.96	1.1	117	113	103
	•	5-5W	.109	.125	—	—	.42	.50	.61	.71	.86	1.0	1.2	1.4	1.6	115	112	102
	•	5-10W	.109	.172	—	.46	.54	.65	.80	.92	1.1	1.3	1.6	1.8	2.1	119	119	109
	•	8-8W	.156	.156	—	.57	.67	.80	.98	1.1	1.4	1.6	2.0	2.3	2.5	116	110	98
	•	8-10W	.156	.172	—	.64	.75	.90	1.1	1.3	1.6	1.8	2.2	2.5	2.8	118	113	101
	•	10-10W	.156	.172	—	.71	.84	1.0	1.2	1.4	1.7	2.0	2.5	2.8	3.1	118	111	100
1/2	•	5-3W	.125	.109	.18	.23	.27	.32	.39	.45	.55	.64	.78	.90	1.0	118	113	100
	•	5-5W	.125	.125	.27	.35	.42	.50	.61	.71	.86	1.0	1.2	1.4	1.6	121	116	102
	•	8-8W	.156	.156	.44	.57	.67	.80	.98	1.1	1.4	1.6	2.0	2.3	2.5	119	113	103
	•	10-15W	.172	.219	.66	.86	1.0	1.2	1.5	1.7	2.1	2.4	3.0	3.4	3.8	120	112	102
	•	15-15W*	.172	.219	.82	1.1	1.3	1.5	1.8	2.1	2.6	3.0	3.8	4.2	4.8	117	111	104
3/4	•	8-25W	.172	.297	.71	.92	1.1	1.3	1.6	1.9	2.3	2.6	3.2	3.7	4.1	124	120	111
	•	10-10W	.203	.172	.55	.71	.84	1.0	1.2	1.4	1.7	2.0	2.5	2.8	3.1	118	111	100
	•	10-30W	.203	.312	1.0	1.3	1.6	1.9	2.3	2.6	3.2	3.7	4.5	5.2	5.9	124	117	108
	•	15-15W	.250	.219	.82	1.1	1.3	1.5	1.8	2.1	2.6	3.0	3.7	4.2	4.8	117	112	102
	•	15-25W	.250	.297	1.1	1.4	1.6	1.9	2.4	2.7	3.4	3.9	4.8	5.5	6.1	119	114	106
	•	20-25W	.281	.297	1.3	1.7	2.1	2.5	3.1	3.5	4.3	5.0	6.1	7.0	7.9	118	112	105
	•	20-30W	.281	.312	1.4	1.8	2.2	2.6	3.2	3.7	4.5	5.2	6.4	7.4	8.2	118	112	105
	•	25-25W	.281	.297	1.4	1.8	2.1	2.5	3.1	3.5	4.3	5.0	6.1	7.0	7.9	117	110	103
	•	25-30W	.281	.312	1.5	2.0	2.3	2.8	3.4	4.0	4.9	5.6	6.9	7.9	8.9	117	110	103

*Dual inlets, each in diameter specified.

■ DIMENSIONS AND WEIGHTS

Standard	Nozzle Type	Inlet Conn. (in.)	A (in)	B (in)	C Hex. (in)	Net Weight (oz)
	NPBD	3/8	1.10	1.26	11/16	1
	NPBD-W	1/2	1.28	1.48	7/8	2
	NPBD-W	3/4	1.5	1.75	1-1/16	4

■ ORDERING INFO

Unit Formula Complete Nozzle			
NPBD.	-	5	- 3/8 - 316
Nozzle	Capacity	Inlet	Material
Type	Connection		

Available materials: Brass (leave blank), 303/304 Stainless (SS), 316L Stainless (316)