

HOLLOW CONE NOZZLES

STANDARD SPRAY

PERFORMANCE DATA

*At the stated pressure in bar.

Inlet Conn. (in.)	Nozzle Type				Capacity Size	Inlet Dia. Nom. (mm)	Orifice Dia. Nom. (mm)	Capacity (liters per minute)*										Spray Angle (°)*		
	NPA	NPAX	NPB	NPBX				0.2	0.4	0.7	1	1.5	2	3	4	6	7	0.7	1.5	6
1/8	•	•	•	•	.5	.79	1.2	-	-	.18	.22	.27	.31	.38	.45	.55	.59	-	58	69
	•	•	•	•	1	1.6	1.6	-	-	.37	.45	.55	.63	.78	.90	1.0	1.1	-	64	76
	•	•	•	•	2	2.0	2.0	-	.57	.75	.90	1.0	1.2	1.5	1.7	2.1	2.3	52	61	69
	•	•	•	•	3	2.4	2.4	-	.85	1.0	1.3	1.6	1.8	2.3	2.6	3.3	3.5	52	64	77
	•	•	•	•	5	3.2	3.2	.9	1.3	1.8	2.2	2.7	3.1	3.8	4.5	5.5	5.9	56	67	76
	•	•	•	•	8	4.0	4.0	1.5	2.2	3.0	3.5	4.4	5.1	6.2	7.2	8.8	9.5	56	65	70
	•	•	•	•	10	4.4	4.4	1.9	2.8	3.7	4.5	5.5	6.3	7.8	9.0	11.1	12.0	55	65	72
1/4	•	•	•	•	1	1.6	1.6	-	-	.37	.45	.55	.63	.78	.90	1.0	1.1	-	53	67
	•	•	•	•	2	2.0	2.0	-	-	.75	.90	1.0	1.2	1.5	1.7	2.1	2.3	-	62	71
	•	•	•	•	3	2.4	2.4	-	.85	1.0	1.3	1.6	1.8	2.3	2.6	3.3	3.5	51	65	78
	•	•	•	•	5	3.6	3.6	.9	1.3	1.8	2.2	2.7	3.1	3.8	4.5	5.5	5.9	63	73	79
	•	•	•	•	8	4.0	4.0	1.5	2.2	3.0	3.5	4.4	5.1	6.2	7.2	8.8	9.5	61	69	73
	•	•	•	•	10	4.8	4.4	1.9	2.8	3.7	4.5	5.5	6.3	7.8	9.0	11.1	12.0	63	70	74
	•	•	•	•	15	5.9	5.2	3.0	4.2	5.6	6.7	8.3	9.6	11.7	13.6	16.7	18.0	63	71	72
3/8	•	•	•	•	5	3.6	3.2	.9	1.3	1.8	2.2	2.7	3.1	3.8	4.5	5.5	5.9	64	73	79
	•	•	•	•	8	4.4	4.0	1.5	2.2	3.0	3.5	4.4	5.1	6.2	7.2	8.8	9.5	62	70	74
	•	•	•	•	10	5.2	4.4	1.9	2.8	3.7	4.5	5.5	6.3	7.8	9.0	11.1	12.0	64	72	75
	•	•	•	•	15	5.9	5.6	3.0	4.2	5.6	6.7	8.3	9.6	11.7	13.6	16.7	18.0	64	72	74
	•	•	•	•	20	7.1	6.4	4.0	5.7	7.5	9.0	11.1	12.8	15.7	18.1	21.9	23.9	63	70	74
	•	•	•	•	25	7.5	7.5	5.0	7.1	9.4	11.3	13.9	16.0	19.6	22.9	27.9	29.9	63	70	74
	•	•	•	•	30	8.3	7.9	6.0	8.5	11.3	13.6	16.7	19.2	23.9	26.9	33.9	35.9	63	70	74
	•		•		15-30.1	5.9	7.9	4.6	6.5	8.6	10.4	12.7	14.7	18.1	20.9	25.9	27.9	40	50	54
	•		•		25-30.1	7.5	7.9	5.6	8.0	10.6	12.7	15.5	17.9	21.9	25.9	30.9	33.9	40	47	51
	•		•		50-50.1	8.7	9.5	10.1	14.3	19.0	22.9	27.9	31.9	38.9	45.9	55.9	59.9	40	47	50
	•		•		50-50.3	8.7	9.5	10.1	14.3	19.0	22.9	27.9	31.9	38.9	45.9	55.9	59.9	72	76	78
1/2	•	•	•	•	25	9.5	6.4	5.0	7.1	9.4	11.3	13.9	16.0	19.6	22.9	27.9	29.9	63	66	71
	•	•	•	•	30	9.5	7.5	6.0	8.5	11.3	13.6	16.7	19.2	23.9	26.9	33.9	35.9	67	71	75
	•	•	•	•	40	9.5	9.1	8.1	11.4	15.2	18.1	21.9	25.9	31.9	35.9	44.9	47.9	72	76	78
	•	•	•	•	50	9.5	11.1	10.1	14.3	19.0	22.9	27.9	31.9	38.9	45.9	55.9	59.9	74	79	82
	•	•	•	•	60	9.5	13.1	12.1	17.2	22.9	26.9	33.9	38.9	46.9	54.9	66.9	71.9	77	82	86

Intermediate capacities: Caps are interchangeable for in-between capacities within each pipe size group.

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	NPA	NPAX	NPB	NPBX				0.2	0.4	0.7	1	1.5	2	3	4	6	7	0.7	1.5	6
3/4	●	●	●	●	40	12.7	7.9	8.1	11.4	15.2	18.1	21.9	25.9	31.9	35.9	44.9	47.9	70	73	74
	●	●	●	●	50	12.7	9.5	10.1	14.3	19.0	22.9	27.9	31.9	38.9	45.9	55.9	59.9	72	75	77
	●	●	●	●	60	12.7	11.1	12.1	17.2	22.9	26.9	33.9	38.9	46.9	54.9	66.9	71.9	74	76	79
	●	●	●	●	70	12.7	12.7	14.2	19.9	26.9	31.9	38.9	44.9	54.9	63.9	77.9	83.9	76	79	83
	●	●	●	●	80	12.7	14.3	16.2	22.9	30.9	35.9	44.9	51.9	62.9	72.9	88.9	95.9	78	82	84
	●	●	●	●	90	12.7	14.7	18.2	25.9	33.9	40.9	49.9	57.9	70.9	81.9	100.9	108.9	81	84	84
	●	●	●	●	100	12.7	15.9	19.9	28.9	37.9	45.9	55.9	63.9	78.9	90.9	111.9	120.9	83	86	86
	●	●	●	●	110	12.7	17.1	21.9	31.9	41.9	49.9	60.9	70.9	86.9	99.9	122.9	132.9	85	88	88
	●	●	●	●	120	12.7	18.3	23.9	34.9	45.9	54.9	66.9	76.9	94.9	108.9	133.9	144.9	87	90	90

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