

PROJET 3X SERIES SPRAY NOZZLES

■ PERFORMANCE DATA: FINE SPRAY STANDARD ANGLE

Body Inlet Conn.(in.)	Tip Type	Capacity Size	Orifice Dia. Nom. (in.)	Core No.	Flow Rate Capacity (gallons per minute)									Spray Angle (°)		
	NP3N				30 psi	40 psi	60 psi	100 psi	200 psi	300 psi	500 psi	700 psi	1000 psi	40 psi	80 psi	300 psi
1/4	•	.30	.016	106	–	–	–	–	–	.82	1.1	1.3	1.5	–	–	51
	•	.40	.016	108	–	–	–	–	–	1.1	1.4	1.7	2.0	–	–	58
	•	.60	.016	206	–	–	–	.95	1.3	1.6	2.1	2.5	3.0	–	35	65
	•	1	.020	210	–	1.0	1.2	1.6	2.2	2.7	3.5	4.2	5.0	45	62	72
	•	1.5	.020	216	1.3	1.5	1.8	2.4	3.4	4.1	5.3	6.3	7.5	65	70	72
	•	2	.028	216	1.7	2.0	2.4	3.2	4.5	5.5	7.1	8.4	10.0	70	75	77
	•	3	.028	220	2.6	3.0	3.7	4.7	6.7	8.2	10.6	12.5	15.0	65	70	73
	•	4	.042	220	3.5	4.0	4.9	6.3	8.9	11.0	14.1	16.7	20	72	81	84
	•	6	.042	225	5.2	6.0	7.3	9.5	13.4	16.4	21	25	30	73	79	81
	•	8	.060	225	6.9	8.0	9.8	12.6	17.9	22	28	33	40	85	89	91
	•	10	.064	420	8.7	10.0	12.2	15.8	22	27	35	42	50	82	84	86
	•	12	.076	420	10.4	12.0	14.7	19.0	27	33	42	50	60	78	82	85
	•	14	.076	421	12.1	14.0	17.1	22	31	38	49	59	70	85	88	90
	•	18	.076	422	15.6	18.0	22	28	40	49	64	75	90	81	84	86
	•	22	.076	625	19.1	22	27	35	49	60	78	92	110	70	72	75
	•	26	.086	625	23	26	32	41	58	71	92	109	130	73	74	77

■ ORDERING INFO

Unit Formula Complete Nozzle												
NP3X	-	F	-	1/4	-	SS	+	NP3G	-	5	-	SS
Nozzle		Body		Inlet		Material		Tip		Capacity		Material
Body		Type		Connection				Type				

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

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■ PERFORMANCE DATA: FULL CONE STANDARD ANGLE SPRAY

Body Inlet Conn.(in.)	Tip Type	Capacity Size	Orifice Dia.Nom. (in.)	Max. Free Passage Dia.(in.)	Flow Rate Capacity (gallons per minute)								Spray Angle (°)		
	NP3G				5 psi	7 psi	10 psi	20 psi	40 psi	80 psi	100 psi	150 psi	7 psi	20 psi	80 psi
1/4	•	.3	.020	.016	—	—	—	.041	.057	.078	.087	.10	—	50	61
	•	.4	.022	.018	—	—	—	.055	.076	.10	.12	.14	—	56	63
	•	.5	.024	.020	—	—	—	.069	.095	.13	.14	.17	—	56	63
	•	.6	.027	.020	—	—	—	.083	.11	.16	.17	.21	—	54	62
	•	.7	.030	.020	—	—	—	.096	.13	.18	.20	.24	—	54	63
	•	1	.036	.025	—	—	.10	.14	.19	.26	.29	.35	—	58	53
	•	2	.047	.040	.15	.17	.20	.28	.38	.52	.58	.70	43	50	46
	•	3	.062	.040	.22	.25	.30	.41	.57	.78	.87	1.0	52	65	59
	•	3.5	.067	.050	.25	.30	.35	.48	.66	.91	1.0	1.2	43	50	46
	•	5	.082	.050	.36	.42	.50	.69	.95	1.3	1.4	1.7	52	65	59
	•	6.5	.094	.063	.47	.55	.65	.89	1.2	1.7	1.9	2.3	45	50	46
	•	10	.109	.063	.73	.85	1.0	1.4	1.9	2.6	2.9	3.5	58	67	61

Maximum Free Passage Diameter is the maximum diameter as listed of foreign matter that can pass through the nozzle without clogging.

■ PERFORMANCE DATA: FULL CONE WIDE ANGLE SPRAY

Body Inlet Conn.(in.)	Tip Type		Capacity Size	Orifice Dia.Nom. (in.)	Max. Free Passage Dia.(in.)	Flow Rate Capacity (gallons per minute)								Spray Angle (°)		
	NP3G-W	NP3H-W				5 psi	7 psi	10 psi	15 psi	20 psi	40 psi	80 psi	5 psi	10 psi	80 psi	
1/8, 1/4	●	●	2.8W	.063	.040	—	—	.28	.34	.39	.53	.73	—	120	102	
	●	●	4.3W	.078	.040	—	—	.43	.52	.59	.81	1.1	—	120	102	
	●	●	5.6W	.094	.040	—	.48	.56	.67	.77	1.1	1.5	—	120	102	
	●	●	8W	.094	.050	—	.68	.80	.96	1.1	1.5	2.1	—	120	103	
1/4	●	●	10W	.109	.050	.73	.85	1.0	1.2	1.4	1.9	2.6	112	120	103	
	●	●	12W	.125	.050	.87	1.0	1.2	1.4	1.7	2.3	3.1	114	120	103	
	●	●	14W	.141	.063	1.0	1.2	1.4	1.7	1.9	2.6	3.6	114	120	103	
3/8	●	●	17W	.156	.063	1.2	1.4	1.7	2.0	2.3	3.2	4.4	114	120	103	
	●	●	20W	.172	.094	1.5	1.7	2.0	2.4	2.8	3.8	5.2	114	120	104	
	●	●	24W	.188	.094	1.7	2.0	2.4	2.9	3.3	4.5	6.2	114	120	104	
	●	●	27W	.203	.109	2.0	2.3	2.7	3.3	3.7	5.1	7.0	114	120	106	
1/2	●	●	30W	.219	.109	2.2	2.5	3.0	3.6	4.1	5.7	7.8	114	120	108	
	●	●	35W	.234	.125	2.5	3.0	3.5	4.2	4.8	6.6	9.1	114	120	108	

Maximum Free Passage Diameter is the maximum diameter as listed of foreign matter that can pass through the nozzle without clogging.

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■ PERFORMANCE DATA: FULL CONE SQUARE SPRAY

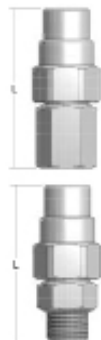
Body Inlet Conn. (in.)	Tip Type	Capacity Size	Orifice Dia.Nom. (in.)	Max. Free Passage Dia.(in.)	Flow Rate Capacity (gallons per minute)								Spray Angle (°)		
	NP3G-SQ				5 psi	7 psi	10 psi	20 psi	40 psi	80 psi	100 psi	150 psi	7 psi	20 psi	80 psi
1/4	•	6SQ	.094	.050	.44	.51	.60	.83	1.1	1.6	1.7	2.1	60	66	60
	•	8SQ	.099	.050	.58	.68	.80	1.1	1.5	2.1	2.3	2.8	70	75	68
	•	10SQ	.109	.063	.73	.85	1.0	1.4	1.9	2.6	2.9	3.5	62	66	60
	•	12SQ	.125	.063	.87	1.0	1.2	1.7	2.3	3.1	3.5	4.2	70	75	68
3/8	•	18SQ	.156	.094	1.3	1.5	1.8	2.5	3.4	4.7	5.2	6.3	71	75	68

Maximum Free Passage Diameter is the maximum diameter as listed of foreign matter that can pass through the nozzle without clogging.

■ DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	Net Weight (oz.)
	NP3X-F+NP3N	1/4	1.906	13/16	2.5
	NP3X-M+NP3N	1/4	1.906	13/16	2.5
	NP3X-F+NP3G	1/4	1.844	13/16	2.3
	NP3X-M+NP3G	1/4	1.844	13/16	2.1
	NP3X-F+NP3G-W	1/8	2.078	13/16	2.1
	NP3X-M+NP3G-W	1/4	2.078	13/16	2.3

Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	Net Weight (oz.)
	NP3X-F+NP3H-W NP3X-M+NP3H-W	1/8	2.157	13/16	3.8
		1/4	2.673	13/16	3.7
		3/8	2.679	13/16	4.1
		1/2	2.610	1	4.3
	NP3X-F+NP3G-SQ NP3X-M+NP3G-SQ	1/4	2.281	13/16	1.7
		3/8	2.288	13/16	2.1

Based on the largest/heaviest version of each type.