

FLAT SPRAY NOZZLES

■ PERFORMANCE DATA: HIGH PRESSURE SPRAY

Nozzle Type and Spray Angle																				Capacity Size	Flow Rate Capacity (gallons per minute)																		
1/8 NPMEG							1/4 NPMEG							1/4 NPJET-SSTC																									
0°*	5°	15°	25°	40°	50°	65°	0°*	5°	15°	25°	40°	50°	65°	0°*	5°	15°	25°	40°	50°		65°	40 psi	300 psi	500 psi	750 psi	1000 psi	1500 psi	2000 psi	2500 psi	3000 psi									
																				01	.10	.27	.35	.43	.50	.61	.71	.79	.87										
																				015	.15	.41	.53	.65	.75	.92	1.1	1.2	1.3										
•	•	•	•	•			•	•	•	•	•		•	•		•		•	•		02	.20	.55	.71	.87	1.0	1.2	1.4	1.6	1.7									
																				025	.25	.68	.88	1.1	1.3	1.5	1.8	2.0	2.2										
•		•	•	•	•		•	•	•	•	•	•	•	•		•			•	•	03	.30	.82	1.1	1.3	1.5	1.8	2.1	2.4	2.6									
																				035	.35	.96	1.2	1.5	1.8	2.1	2.5	2.8	3.0										
•		•	•	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•	04	.40	1.1	1.4	1.7	2.0	2.4	2.8	3.2	3.5									
•		•	•	•		•	•		•	•	•		•			•	•				045	.45	1.2	1.6	1.9	2.3	2.8	3.2	3.6	3.9									
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		05	.50	1.4	1.8	2.2	2.5	3.1	3.5	4.0	4.3									
•		•	•	•	•	•	•	•	•	•	•	•	•	•		•	•				055	.55	1.5	1.9	2.4	2.8	3.4	3.9	4.3	4.8									
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•			06	.60	1.6	2.1	2.6	3.0	3.7	4.2	4.7	5.2									
•		•	•	•			•		•	•	•	•		•							065	.65	1.8	2.3	2.8	3.3	4.0	4.6	5.1	5.6									
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		07	.70	1.9	2.5	3.0	3.5	4.3	4.9	5.5	6.1									
•		•	•	•			•		•	•	•	•							075	.75	2.1	2.7	3.2	3.8	4.6	5.3	5.9	6.5											
•		•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•		•	08	.80	2.2	2.8	3.5	4.0	4.9	5.7	6.3	6.9									
•		•	•	•			•		•	•	•	•							085	.85	2.3	3.0	3.7	4.3	5.2	6.0	6.7	7.4											
•		•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•		•	09	.90	2.5	3.2	3.9	4.5	5.5	6.4	7.1	7.8									
		•	•				•			•							095	.95	2.6	3.4	4.1	4.8	5.8	6.7	7.5	8.2													
•		•	•	•	•	•	•		•	•	•	•	•	•		•	•				10	1.0	2.7	3.5	4.3	5.0	6.1	7.1	7.9	8.7									
•			•				•		•	•	•	•							11	1.1	3.0	3.9	4.8	5.5	6.7	7.8	8.7	9.5											
•		•	•					•	•	•	•	•	•			•							115	1.2	3.1	4.1	5.0	5.8	7.0	8.1	9.1	10.0							
•				•			•	•	•	•	•	•	•			•							12	1.2	3.3	4.2	5.2	6.0	7.3	8.5	9.5	10.4							
•							•		•	•	•	•							125	1.3	3.4	4.4	5.4	6.3	7.7	8.8	9.9	10.8											

*0° = Solid Stream.

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Nozzle Type and Spray Angle																				Capacity Size	Flow Rate Capacity (gallons per minute)									
1/8 NPMEG						1/4 NPMEG						1/4 NPJET-SSTC									40 psi	300 psi	500 psi	750 psi	1000 psi	1500 psi	2000 psi	2500 psi	3000 psi	
0°*	5°	15°	25°	40°	50°	65°	0°*	5°	15°	25°	40°	50°	65°	0°*	5°	15°	25°	40°	50°											65°
•							•		•	•	•										13	1.3	3.6	4.6	5.6	6.5	8.0	9.2	10.3	11.3
	•						•		•	•											14	1.4	3.8	4.9	6.1	7.0	8.6	9.9	11.1	12.1
•		•	•	•			•	•	•	•	•	•	•	•		•		•		•	15	1.5	4.1	5.3	6.5	7.5	9.2	10.6	11.9	13.0
		•					•		•												16	1.6	4.4	5.7	6.9	8.0	9.8	11.3	12.6	13.9
							•		•	•	•				•						18	1.8	4.9	6.4	7.8	9.0	11.0	12.7	14.2	15.6
•							•		•	•	•	•	•	•	•						20	2.0	5.5	7.1	8.7	10.0	12.2	14.1	15.8	17.3
							•		•	•	•										25	2.5	6.8	8.8	10.8	12.5	15.3	17.7	19.8	22
							•		•	•	•		•								30	3.0	8.2	10.6	13.0	15.0	18.4	21	24	26
							•		•	•	•										35	3.5	9.6	12.4	15.2	17.5	21	25	28	30
							•		•	•	•										40	4.0	11.0	14.1	17.3	20	24	28	32	35
							•		•	•	•										50	5.0	13.7	17.7	22	25	31	35	40	43
							•		•	•	•										60	6.0	16.4	21	26	30	37	42	47	52
							•														70	7.0	19.2	25	30	35	43	49	55	61
							•														80	8.0	22	28	35	40	49	57	63	69
							•														90	9.0	25	32	39	45	55	64	71	78

*0° = Solid Stream.

■ PERFORMANCE DATA: HIGH PRESSURE SPRAY

Nozzle Type and Spray Angle														Capacity Size	Flow Rate Capacity (gallons per minute)									
1/8 NPWEG							1/4 NPWEG								40 psi	300 psi	500 psi	750 psi	1000 psi	1500 psi	2000 psi	2500 psi	3000 psi	
0°*	5°	15°	25°	40°	50°	65°	0°*	5°	15°	25°	40°	50°	65°											
		•	•	•										03	.30	.82	1.1	1.3	1.5	1.8	2.1	2.4	2.6	
•		•	•	•	•	•	•		•	•	•		•	04	.40	1.1	1.4	1.7	2.0	2.4	2.8	3.2	3.5	
		•	•	•					•	•	•			045	.45	1.2	1.6	1.9	2.3	2.8	3.2	3.6	3.9	
•		•	•	•	•	•	•		•	•	•	•	•	05	.50	1.4	1.8	2.2	2.5	3.1	3.5	4.0	4.3	
•		•	•	•	•	•	•		•	•				055	.55	1.5	1.9	2.4	2.8	3.4	3.9	4.3	4.8	
•		•	•	•	•	•	•		•	•	•			06	.60	1.6	2.1	2.6	3.0	3.7	4.2	4.7	5.2	
				•					•					065	.65	1.8	2.3	2.8	3.3	4.0	4.6	5.1	5.6	
•		•	•	•	•	•	•		•	•	•		•	07	.70	1.9	2.5	3.0	3.5	4.3	4.9	5.5	6.1	
•		•	•	•	•	•	•		•	•	•			08	.80	2.2	2.8	3.5	4.0	4.9	5.7	6.3	6.9	
•		•	•	•										085	.85	2.3	3.0	3.7	4.3	5.2	6.0	6.7	7.4	
•		•	•	•	•	•	•		•	•	•			09	.90	2.5	3.2	3.9	4.5	5.5	6.4	7.1	7.8	
			•											095	.95	2.6	3.4	4.1	4.8	5.8	6.7	7.5	8.2	
•		•	•	•	•	•	•		•	•	•			10	1.0	2.7	3.5	4.3	5.0	6.1	7.1	7.9	8.7	
							•							15	1.5	4.1	5.3	6.5	7.5	9.2	10.6	11.9	13.0	
		•												16	1.6	4.4	5.7	6.9	8.0	9.8	11.3	12.6	13.9	
•														20	2.0	5.5	7.1	8.7	10.0	12.2	14.1	15.8	17.3	
							•							30	3.0	8.2	10.6	13.0	15.0	18.4	21	24	26	

*0° = Solid Stream.

FLAT SPRAY NOZZLES

■ PERFORMANCE DATA: HIGH PRESSURE SPRAY

Inlet Conn. (in.)	Nozzle Type	Spray Angle at 40 psi							Capacity Size	Flow Rate Capacity (gallons per minute)										
		NPIMEG	0°*	15°	25°	40°	50°	65°		80°	40 psi	300 psi	500 psi	750 psi	1000 psi	1500 psi	2000 psi	2500 psi	3000 psi	3500 psi
1/8 or 1/4	•	•	•	•	•	•	•	•	03	.30	.82	1.1	1.3	1.5	1.8	2.1	2.4	2.6	2.8	3.0
	•	•	•	•	•	•	•	•	035	.35	.96	1.2	1.5	1.8	2.1	2.5	2.8	3.0	3.3	3.5
	•	•	•	•	•	•	•	•	04	.40	1.1	1.4	1.7	2.0	2.4	2.8	3.2	3.5	3.7	4.0
	•	•	•	•	•	•	•	•	045	.45	1.2	1.6	1.9	2.3	2.8	3.2	3.6	3.9	4.2	4.5
	•	•	•	•	•	•	•	•	05	.50	1.4	1.8	2.2	2.5	3.1	3.5	4.0	4.3	4.7	5.0
	•	•	•	•	•	•	•	•	055	.55	1.5	1.9	2.4	2.8	3.4	3.9	4.3	4.8	5.1	5.5
	•	•	•	•	•	•	•	•	06	.60	1.6	2.1	2.6	3.0	3.7	4.2	4.7	5.2	5.6	6.0
	•	•	•	•	•	•	•	•	065	.65	1.8	2.3	2.8	3.3	4.0	4.6	5.1	5.6	6.1	6.5
	•	•	•	•	•	•	•	•	07	.70	1.9	2.5	3.0	3.5	4.3	4.9	5.5	6.1	6.5	7.0
	•	•	•	•	•	•	•	•	075	.75	2.1	2.7	3.2	3.8	4.6	5.3	5.9	6.5	7.0	7.5
•	•	•	•	•	•	•	•	08	.80	2.2	2.8	3.5	4.0	4.9	5.7	6.3	6.9	7.5	8.0	

■ PERFORMANCE DATA: HIGH PRESSURE QUICK CONNECT NOZZLES

Nozzle Type	Spray Angle at 40 psi				Capacity Size	Flow Rate Capacity (gallons per minute)											
NPQCM/EG/ NPQIMEG	0°* (Red)	15° (Yellow)	25° (Green)	40° (White)		40 psi	300 psi	500 psi	750 psi	1000 psi	1500 psi	2000 psi	2500 psi	3000 psi	3500 psi	4000 psi	
●			●	●	02	.20	.55	.71	.87	1.0	1.2	1.4	1.6	1.7	1.9	2.0	
●	●	●	●		03	.30	.82	1.1	1.3	1.5	1.8	2.1	2.4	2.6	2.8	3.0	
●	●	●	●	●	035	.35	.96	1.2	1.5	1.8	2.1	2.5	2.8	3.0	3.3	3.5	
●	●	●	●	●	04	.40	1.1	1.4	1.7	2.0	2.4	2.8	3.2	3.5	3.7	4.0	
●	●	●	●	●	045	.45	1.2	1.6	1.9	2.3	2.8	3.2	3.6	3.9	4.2	4.5	
●	●	●	●	●	05	.50	1.4	1.8	2.2	2.5	3.1	3.5	4.0	4.3	4.7	5.0	
●	●	●	●	●	055	.55	1.5	1.9	2.4	2.8	3.4	3.9	4.3	4.8	5.1	5.5	
●	●	●	●	●	06	.60	1.6	2.1	2.6	3.0	3.7	4.2	4.7	5.2	5.6	6.0	
●	●	●	●	●	065	.65	1.8	2.3	2.8	3.3	4.0	4.6	5.1	5.6	6.1	6.5	
●	●	●	●	●	07	.70	1.9	2.5	3.0	3.5	4.3	4.9	5.5	6.1	6.5	7.0	
●	●	●	●	●	075	.75	2.1	2.7	3.2	3.8	4.6	5.3	5.9	6.5	7.0	7.5	
●	●		●	●	08	.80	2.2	2.8	3.5	4.0	4.9	5.7	6.3	6.9	7.5	8.0	
●			●	●	09	.90	2.5	3.2	3.9	4.5	5.5	6.4	7.1	7.8	8.4	9.0	
●	●	●	●	●	10	1.0	2.7	3.5	4.3	5.0	6.1	7.1	7.9	8.7	9.4	10.0	
●	●	●	●	●	12	1.2	3.3	4.2	5.2	6.0	7.3	8.5	9.5	10.4	11.2	12.0	
●		●		●	15	1.5	4.1	5.3	6.5	7.5	9.2	10.6	11.9	13.0	14.0	15.0	

*0° = Solid Stream.

FLAT SPRAY NOZZLES

Any NPMEG or NPQCMEG can be ordered without a vane. The part number would be NPSAMEG or NPSAQC. Performance characteristics for flow versus pressure will be the same.

DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	D (Dia.) (in.)	Flats (in.)	Net Weight (oz.)
	NPMEG (M)	1/8	1.000	9/16	—	0.313	0.6
		1/4	1.000	9/16	—	0.406	0.8
	NPWEG (F)	1/8	1.125	1/2	—	0.313	0.9
		1/4	1.125	5/8	—	0.313	0.7
	NPJET -SSTC (M)	1/4	0.906	9/16	—	0.406	0.6

Based on the largest/heaviest version of each type.

ORDERING INFO

Unit Formula Complete Nozzle			
NPIMEG	- 40	03	- 1/8
Nozzle	Spray	Capacity	Inlet
Type	Angle		Connection

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

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	D (Dia.) (in.)	Flats (in.)	Net Weight (oz.)
	NPIMEG (M)	1/8	0.875	1/2	—	0.313	0.6
		1/4	0.906	9/16	—	0.406	0.8
	NPQCMEG/ NPQCIMEG	1/4	1.219	—	0.969	—	0.8

Based on the largest/heaviest version of each type.