

**FINE
SPRAY**

FOGJET® NOZZLES

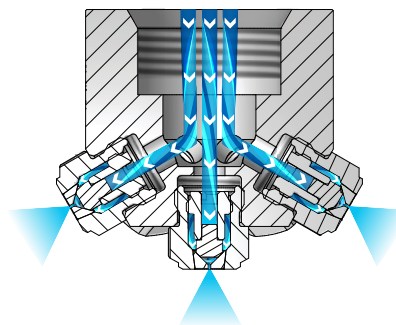
W WIDE ANGLE SPRAY | **N** NARROW ANGLE SPRAY

OVERVIEW: FOGJET

- Finely atomized sprays without use of compressed air; ideal for fogging a larger area with a single nozzle
 - 7N and 7G nozzles produce a shower-like full cone wide angle spray pattern
 - FF nozzles produce a dense, narrow, hollow cone spray pattern
- 7N and 7G assemblies include a nozzle body and seven removable caps. Each cap has an internal core or vane which is easily removed for cleaning
- Widely used in fire protection, dust control and rain simulation applications
- Uniform spray distribution from .11 to 136 gpm (.42 to 505 lpm)
- Operating pressures from 20 to 150 psi (1.5 to 10 bar)

FogJet Nozzles

The liquid passes through slots in the core component in each individual nozzle cap. The slots make the liquid spin in a circle at a very high speed. The energy from the spinning action causes the liquid to break up into very small droplets and form a hollow cone pattern as it exits the orifice.



FOGJET OPTIONS



7G
 3/4" to 1-1/2" female conn.
 Optional TWD strainer



7N
 1" female conn.
 Optional TWD strainer



FF
 3/4" to 1-1/4" female conn.
 One-piece

ORDERING INFORMATION

FOGJET 7G AND 7N

Inlet Conn.	–	Nozzle Type	–	Material Code		Capacity Size
<p>Example 1-1/2 – 7G – SS 30</p>						

BSPT connections require the addition of a "B" prior to the inlet connection.

FOGJET FF

Inlet Conn.	Nozzle Type	–	Material Code		Capacity Size
<p>Example 3/4 FF – SS 4.8</p>					

BSPT connections require the addition of a "B" prior to the inlet connection.

**RELATIVE DROP SIZE
IN MICRONS**

10 to 100	100 to 500	500 to 1000	1000 to 5000
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Drop size will vary based on flow rate and pressure.

QUICK REFERENCE GUIDE

Model	Connection	Connection Size (in.)	Materials	Page Number	
				Performance Data	Dimensions and Weights
7N	F	1	Brass, 303 stainless steel (SS), 316 stainless steel (316SS)	E9	E12
7G	F	3/4 to 1-1/2		E10	
FF	F	3/4 to 1-1/4	Brass, 303 stainless steel (SS)	E11–E12	

F = female thread. There is no material code for brass. Leave material code blank when ordering. Other materials available upon request.
For more dimensions and sizes, contact your sales engineer.

W PERFORMANCE DATA:
WIDE ANGLE SPRAY

Inlet Conn. (in.)	Nozzle Type	Capacity Size	Dimensions			Flow Rate Capacity (gallons per minute)						
	7N		A (ft.)	B (ft.)	C (ft.)	20 psi	40 psi	60 psi	80 psi	100 psi	125 psi	150 psi
1	●	.60	3*	3-1/2	1-1/2	–	–	–	–	.11	.12	.14
	●	1	3*	4	2	–	.12	.14	.16	.18	.21	.23
	●	1.5	3*	4-1/2	2-1/2	–	.17	.21	.25	.28	.31	.34
	●	2	3*	4-1/2	2-1/2	–	.23	.29	.33	.37	.41	.45
	●	3	3*	5-1/2	3-1/2	.25	.35	.43	.50	.55	.62	.68
	●	4	3*	5-1/2	3-1/2	.33	.47	.57	.66	.74	.83	.90
	●	6	3*	6	4	.50	.70	.86	.98	1.1	1.2	1.4
	●	8	3*	6	4	.66	.93	1.1	1.3	1.5	1.7	1.8
	●	10	3*	7	4-1/2	.83	1.2	1.4	1.7	1.8	2.1	2.3
	●	12	3*	8	4-1/2	1.0	1.4	1.7	2.0	2.2	2.5	2.7
	●	14	3	8	4-1/2	1.2	1.6	2.0	2.3	2.6	2.9	3.2
	●	16	3 7*	8 7-1/2	5 5-1/2	1.3	1.9	2.3	2.6	3.0	3.3	3.6
	●	18	3 7*	8 9	5 6	1.5	2.1	2.6	3.0	3.3	3.7	4.1
	●	22	3 7*	9-1/2 11	5-1/2 7	1.8	2.6	3.2	3.6	4.1	4.5	5.0
●	26	3 7*	10 12	6 8	2.1	3.0	3.7	4.3	4.8	5.4	5.9	

*And higher.

Highlighted column shows the rated pressure.

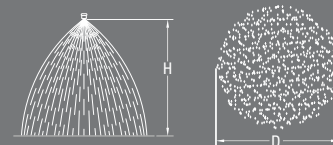


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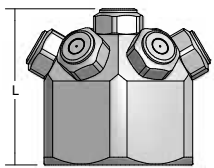
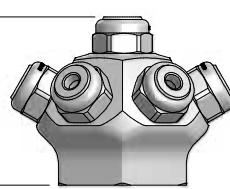
W WIDE ANGLE SPRAY | **N** NARROW ANGLE SPRAY

N PERFORMANCE DATA:
NARROW ANGLE SPRAY

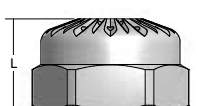


Nozzle Type	Capacity Size	"H" Height Above Floor (ft.)	Spray Coverage "D" at Various Pressures (ft.)			
			40 psi	60 psi	100 psi	150 psi
FF						
•	4.8, 9, 12	3	2	2	2	2
•		5	3	3	3	2-1/2
•		7	4	4	3-1/2	3
•		10	5	4-1/2	4	3-1/2
•	18, 25	3	2	2	2	2
•		5	3	3	3	2-1/2
•		7	4	4	3-1/2	3
•		10	5-1/2	5	4-1/4	4
•	35, 50, 70	3	2-1/2	2-1/2	2-1/2	2
•		5	4	4	3-1/2	3
•		7	5	5	4-1/2	4
•		10	6-1/2	6	5-1/2	5

DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	D (Dia.) (in.)	Net Weight (oz.)
	7N (F)	1	2.094	2.500	18.3
	7G (F)	3/4	1.820	2.125	10.0
		1	3.313	4.063	43.3
		1-1/2	3.188	4.250	34.4

Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	D (Dia.) (in.)	Net Weight (oz.)
	FF (F)	3/4	1.000	1.375	3.0
		1	1.156	1.656	5.0
		1-1/4	1.218	2.094	7.0

Based on the largest/heaviest version of each type.