

**FINE  
SPRAY**

**FOGJET® NOZZLES**

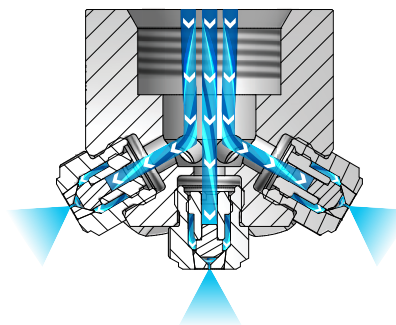
**W** WIDE ANGLE SPRAY | **N** NARROW ANGLE SPRAY

**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><b>Example</b>                  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><b>Example</b>                  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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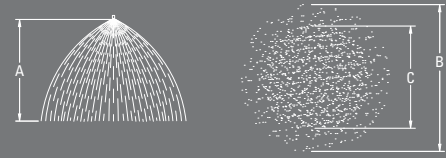
Drop size will vary based on flow rate and pressure.

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**W** WIDE ANGLE SPRAY

**W** PERFORMANCE DATA:  
**WIDE ANGLE SPRAY**



Inlet Conn. (in.)	Nozzle Type	Capacity Size	Dimensions			Flow Rate Capacity (gallons per minute)						
			A (ft.)	B (ft.)	C (ft.)	20 psi	40 psi	60 psi	80 psi	100 psi	125 psi	150 psi
3/4	●	1	3 5 8 11	5 6-1/2 7-1/2 8	3-1/4 4-1/4 4-3/4 5-1/4	.98	1.3	1.6	1.8	2.1	2.3	2.5
	●	1.5	3 5 8 11	8 9 10 10-1/2	5-1/2 6-1/2 7-1/2 7-3/4	1.5	2.0	2.4	2.8	3.1	3.4	3.7
	●	3	3 5 8 11	8-1/2 10 11 11-1/2	5-1/2 6-1/2 7 7-1/2	2.9	4.0	4.8	5.5	6.2	6.8	7.4
	●	5	3 5 8 11	9-1/2 11 12 12-1/2	6-1/4 7 7-3/4 8	4.8	6.7	8.1	9.2	10.3	11.3	12.4
1	●	6.5	3 5 8 11	10 11-1/2 13 13-1/2	9 9-1/4 10 11-1/2	6.2	9.1	10.5	11.9	13.3	14.5	16.1
	●	10	3 5 8 11	11 12-1/2 13-1/2 14	9-1/2 10 11 12	9.8	13.5	16.4	18.9	21	23	25
	●	12.5	3 5 8 11	12 13-1/4 14 14-1/2	10 11 12 12-1/2	12.0	17.0	20	23	25	28	30
	●	16	3 5 8 11	12-1/2 13-3/4 14-1/2 15	10-1/2 12 13 13-1/4	15.4	22	26	30	33	37	40
1, 1-1/2	●	25	3 5 8 11	13-3/4 16 17 17-1/2	9 10-1/2 11 11-1/2	24	34	41	47	52	57	62
	●	30	3 5 8 11	13-3/4 16 17 17-1/2	9 10-1/2 11 11-1/2	29	40	48	55	62	68	74
	●	32	3 5 8 11	13-3/4 16 17 17-1/2	9 10-1/2 11 11-1/2	31	43	52	59	66	74	79
	●	40	3 5 8 11	13-3/4 16 17 17-1/2	9 10-1/2 11 11-1/2	39	53	64	74	83	92	100
1-1/2	●	45	3 5 8 11	14 16-1/2 17-1/2 18	9-1/2 11 12 12-1/2	44	60	72	82	91	100	110
	●	50	3 5 8 11	14-1/2 17 18 19	10-1/2 12 13-1/2 14	48	67	81	92	103	113	124

Highlighted column shows the rated pressure.

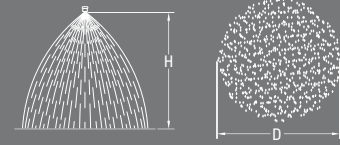


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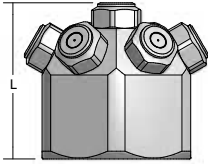
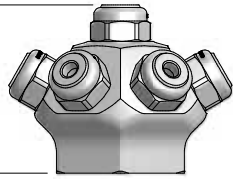
**W** WIDE ANGLE SPRAY | **N** NARROW ANGLE SPRAY

**N** PERFORMANCE DATA:  
**NARROW ANGLE SPRAY**

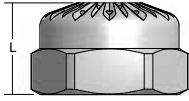


Nozzle Type	Capacity Size	"H" Height Above Floor (ft.)	Spray Coverage "D" at Various Pressures (ft.)			
			40 psi	60 psi	100 psi	150 psi
<b>FF</b>						
•	4.8, 9, 12	3	2	2	2	2
•		5	3	3	3	2-1/2
•		7	4	4	3-1/2	3
•		10	5	4-1/2	4	3-1/2
•	18, 25	3	2	2	2	2
•		5	3	3	3	2-1/2
•		7	4	4	3-1/2	3
•		10	5-1/2	5	4-1/4	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.)
	<b>7N (F)</b>	1	2.094	2.500	18.3
	<b>7G (F)</b>	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.)
	<b>FF (F)</b>	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.