

**FINE  
SPRAY**

**FOGJET® NOZZLES**

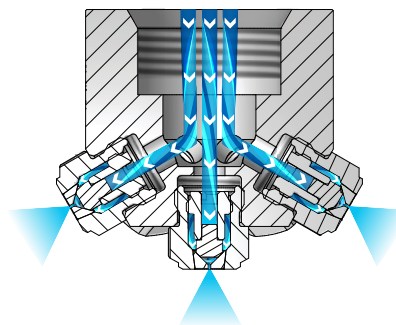
**W** WIDE ANGLE SPRAY | **N** NARROW ANGLE SPRAY

**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
<b>1-1/2</b>	–	<b>7G</b>	–	<b>SS</b>	–	<b>30</b>

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

**FOGJET FF**

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

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
<b>7N</b>	F	1	Brass, 303 stainless steel (SS), 316 stainless steel (316SS)	E9	E12
<b>7G</b>	F	3/4 to 1-1/2		E10	
<b>FF</b>	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 (liters per minute)						
	<b>7N</b>		A (m)	B (m)	C (m)	2 bar	3 bar	4 bar	6 bar	7 bar	8 bar	10 bar
1	●	.60	1*	1.1	.5	–	–	–	–	.42	.45	.50
	●	1	1*	1.2	.6	–	.46	.56	.65	.70	.75	.84
	●	1.5	1*	1.4	.8	–	.69	.85	.98	1.0	1.1	1.3
	●	2	1*	1.4	.8	–	.92	1.1	1.3	1.4	1.5	1.7
	●	3	1*	1.7	1.1	1.1	1.4	1.7	2.0	2.1	2.3	2.5
	●	4	1*	1.7	1.1	1.5	1.8	2.2	2.6	2.8	3.0	3.4
	●	6	1*	1.8	1.2	2.2	2.8	3.4	3.9	4.2	4.5	5.0
	●	8	1*	1.8	1.2	2.9	3.7	4.5	5.2	5.6	6.0	6.7
	●	10	1*	2.1	1.4	3.7	4.6	5.6	6.5	7.0	7.5	8.4
	●	12	1*	2.4	1.4	4.4	5.5	6.7	7.8	8.4	9.0	10.1
	●	14	1	2.4	1.4	5.1	6.4	7.9	9.1	9.8	10.5	11.8
	●	16	1 2*	2.4 2.6	1.5 1.7	5.9	7.4	9.1	10.4	11.2	12.0	13.5
	●	18	1 2*	2.4 2.7	1.5 1.8	6.6	8.3	10.2	11.7	12.6	13.5	15.1
	●	22	1 2*	2.9 3.4	1.7 2.1	8.0	10.1	12.4	14.3	15.3	16.5	18.5
●	26	1 2*	3 3.7	1.8 2.4	9.5	12.0	14.7	16.9	18.1	19.6	22	

\*And higher.

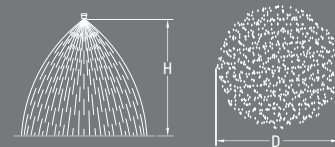
Highlighted column shows the rated pressure.

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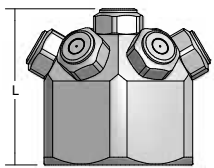
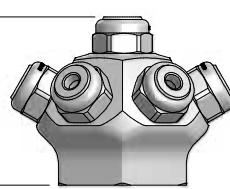
**W** WIDE ANGLE SPRAY | **N** NARROW ANGLE SPRAY

**N** PERFORMANCE DATA:  
NARROW ANGLE SPRAY

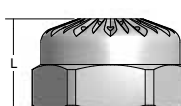


Nozzle Type	Capacity Size	"H" Height Above Floor (m)	Spray Coverage "D" at Various Pressures (m)			
			3 bar	4 bar	7 bar	10 bar
<b>FF</b>						
•	4.8, 9, 12	1	.60	.60	.60	.60
•		1.5	.90	.90	.90	.90
•		2.1	1.2	1.2	1.1	.90
•		3	1.5	1.4	1.2	1.1
•	18, 25	1	.60	.60	.60	.60
•		1.5	.90	.90	.90	.80
•		2.1	1.2	1.2	1.1	.90
•		3	1.7	1.5	1.3	1.2
•	35, 50, 70	1	.80	.80	.80	.60
•		1.5	1.2	1.2	1.1	.90
•		2.1	1.5	1.5	1.4	1.2
•		3	2	1.8	1.7	1.5

**DIMENSIONS AND WEIGHTS**

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	D (Dia.) (mm)	Net Weight (kg)
	<b>7N (F)</b>	1	53.2	63.5	0.52
		3/4	46.2	54.0	0.28
		1	84.1	103.2	1.23
		1-1/2	81.0	108.0	0.97

Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	D (Dia.) (mm)	Net Weight (kg)
	<b>FF (F)</b>	3/4	25.4	34.9	0.09
		1	29.4	42.1	0.14
		1-1/4	30.9	53.2	0.20

Based on the largest/heaviest version of each type.