

**FINE
SPRAY**

FOGJET® NOZZLES

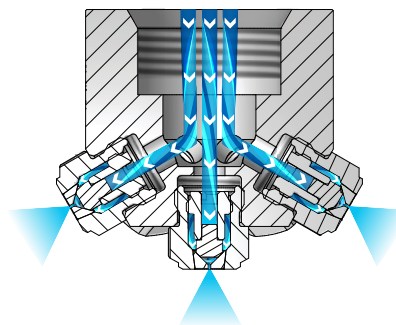
W WIDE ANGLE SPRAY | **N** NARROW ANGLE SPRAY

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
-----------	------------	-------------	--------------

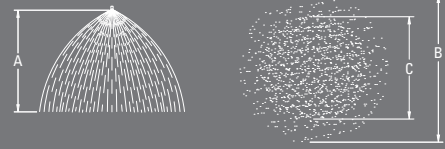
Drop size will vary based on flow rate and pressure.

**FINE
SPRAY**

FOGJET® NOZZLES

W WIDE ANGLE SPRAY

W PERFORMANCE DATA:
WIDE ANGLE SPRAY



Inlet Conn. (in.)	Nozzle Type	Capacity Size	Dimensions			Flow Rate Capacity (liters per minute)						
			A (m)	B (m)	C (m)	2 bar	3 bar	4 bar	6 bar	7 bar	8 bar	10 bar
3/4	●	1	1	1.5	1	4.3	5.2	6.4	7.2	7.7	8.2	9.1
			1.5	2	1.3							
			2.5	2.3	1.4							
			3.5	2.4	1.6							
3/4	●	1.5	1	2.4	1.7	6.5	7.8	9.6	10.8	11.6	12.3	13.6
			1.5	2.7	2							
			2.5	3	2.3							
			3.5	3.2	2.4							
3/4	●	3	1	2.6	1.7	13.0	15.6	19.1	22	24	25	27
			1.5	3	2							
			2.5	3.4	2.1							
			3.5	3.5	2.3							
3/4	●	5	1	2.9	1.9	22	26	32	36	39	41	45
			1.5	3.4	2.1							
			2.5	3.7	2.4							
			3.5	3.8	2.4							
1	●	6.5	1	3	2.7	28	34	42	47	50	53	59
			1.5	3.5	2.8							
			2.5	4	3							
			3.5	4.1	3.5							
1	●	10	1	3.4	2.9	43	52	64	72	77	82	91
			1.5	3.8	3							
			2.5	4.1	3.4							
			3.5	4.3	3.7							
1	●	12.5	1	3.7	3	54	65	80	90	97	102	113
			1.5	4	3.4							
			2.5	4.3	3.7							
			3.5	4.4	3.8							
1	●	16	1	3.8	3.2	69	83	102	115	123	131	147
			1.5	4.2	3.7							
			2.5	4.4	4							
			3.5	4.6	4							
1, 1-1/2	●	25	1	4.2	2.7	109	130	159	179	192	205	225
			1.5	4.9	3.2							
			2.5	5.2	3.4							
			3.5	5.3	3.5							
1, 1-1/2	●	30	1	4.2	2.7	130	156	191	215	231	245	270
			1.5	4.9	3.2							
			2.5	5.2	3.4							
			3.5	5.3	3.5							
1, 1-1/2	●	32	1	4.2	2.7	138	167	205	230	247	260	290
			1.5	4.9	3.2							
			2.5	5.2	3.4							
			3.5	5.3	3.5							
1, 1-1/2	●	40	1	4.2	2.7	173	210	258	285	306	325	360
			1.5	4.9	3.2							
			2.5	5.2	3.4							
			3.5	5.3	3.5							
1-1/2	●	45	1	4.3	2.9	195	235	288	320	343	370	410
			1.5	5	3.4							
1-1/2	●	50	1	4.4	3.2	215	260	319	360	386	410	455
			1.5	5.2	3.7							
			2.5	5.5	4.1							
			3.5	5.8	4.3							

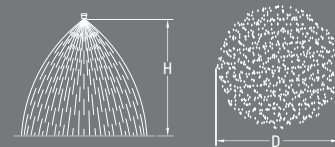
Highlighted column shows the rated pressure.

**FINE
SPRAY**

FOGJET® NOZZLES

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
FF						
•	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)
	7N (F)	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)
	FF (F)	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.