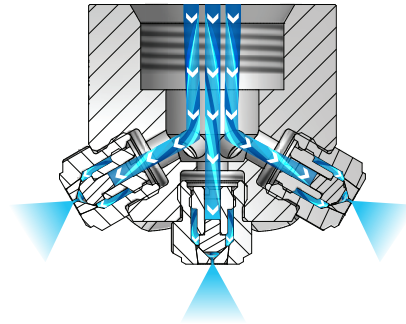


OVERVIEW: FOGJET

- 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**



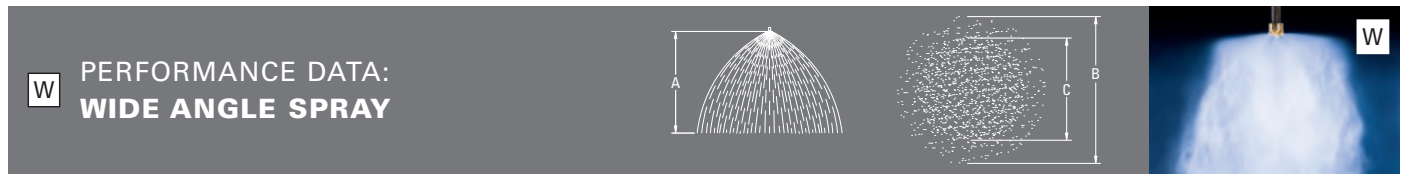
Drop size will vary based on flow rate and pressure.



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.



Inlet Conn. (in.)	Nozzle Type	Capacity Size	Dimensions			Flow Rate Capacity (liters per minute)						
	7N		A (m)	B (m)	C (m)	1.5 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.





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

Highlighted column shows the rated pressure.



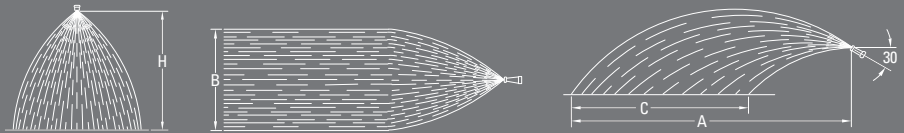
N PERFORMANCE DATA:
NARROW ANGLE SPRAY



Inlet Conn. (in.)	Nozzle Type	Capacity Size	Flow Rate Capacity (liters per minute)					
	FF		1.5 bar	3 bar	4 bar	6 bar	7 bar	10 bar
3/4	●	4.8	13.4	19.0	22	27	29	35
	●	9	25	36	41	50	54	65
	●	12	34	47	55	67	72	86
	●	18	50	71	82	101	109	130
1	●	25	70	99	114	140	151	180
	●	35	98	138	160	195	211	252
1-1/4	●	50	140	197	228	279	302	360
	●	70	195	276	319	391	422	505

Highlighted column shows the rated pressure.

N PERFORMANCE DATA:
NARROW ANGLE SPRAY



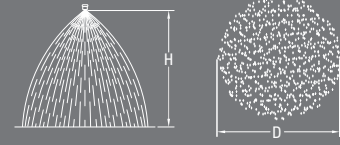
Nozzle Type	Capacity Size	"H" Height Above Floor (m)	Spray Dimensions and Coverage (m)					
			3 bar			7 bar		
			A	B*	C	A	B*	C
●	4.8	1	5.2	2.1	4	7.6	1.5	6.1
●	9	1	7	2.4	5.2	9.4	1.7	7.3
●	12	1	7.6	2.4	5.5	10.1	1.7	7.6
●	18	1	8.8	2.4	5.8	11	1.7	7.9
●	25	1	9.8	2.4	7.3	12.8	1.7	9.8
●	35	1	11	2.4	8.5	16.8	1.8	13.7
●	50	1	11.3	2.4	8.5	18.3	1.8	15.2
●	70	1	14	2.4	11	22	1.8	18.3

*B dimension is taken at widest portion of A.



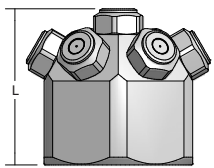
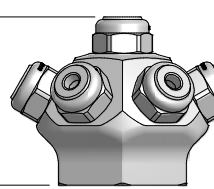
N

PERFORMANCE DATA:
NARROW ANGLE SPRAY

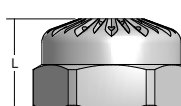


Nozzle Type	Capacity Size	"H" Height Above Floor (m)	Spray Coverage "D" at Various Pressures (m)			
			3 bar	4 bar	7 bar	10 bar
FF						
•	4.8, 9, 12	1	.60	.60	.60	.60
•		1.5	.90	.90	.90	.90
•		2.1	1.2	1.2	1.1	.90
•		3	1.5	1.4	1.2	1.1
•	18, 25	1	.60	.60	.60	.60
•		1.5	.90	.90	.90	.80
•		2.1	1.2	1.2	1.1	.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.

