



FINE SPRAY NOZZLES

GAS COOLING · LIGHT MISTING
HUMIDIFYING · FOGGING
DUST CONTROL · MOISTENING
EVAPORATIVE COOLING
FIRE SUPPRESSION · AERATING
CHEMICAL PROCESSING



FINE SPRAY NOZZLES INTRODUCTION



FULL RANGE OF HYDRAULIC ATOMIZING NOZZLES — SMALL DROPS WITHOUT COMPRESSED AIR

Styles:

- Conventional

Spray patterns:

- Standard
- Narrow
- Wide angle

Spray angles: 30° to 165°

Flow rate range: 49.2 to 8,160 gph (186 to 30,948 lph)

Operating pressure range: up to 1000 psi (69 bar)

Connections:

- 1/4" to 1-1/2" pipe sizes
- Female and male NPT and BSPT

Materials:

- Brass
- 303 stainless steel
- 316 stainless steel
- Polyvinyl chloride
- Other specialty materials available

See Trademark Registration and Ownership, page i-1.

OPTIMIZE THE PERFORMANCE OF FINE SPRAY NOZZLES:

Use a **high-pressure strainer** to protect fine spray nozzles from contaminants. Maximum operating pressure of 2000 psi at 150°F (138 bar at 66°C) and 5000 psi at 150°F (345 bar at 66°C).

See page F5



Regulate liquid pressure from 5 to 125 psi (0.3 to 8.5 bar) with our durable diaphragm-type non-relieving **liquid regulators**. Choose from brass, brass-plated zinc or stainless steel.

See page F36



CV check valves minimize pressure drop and ensure positive drip-free shut off. Choose from a wide range of inlet and outlet options and opening pressure of 5, 10 or 20 psi (0.35, 0.7 or 1.5 bar).

See page F26



FINE SPRAY NOZZLES

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OVERVIEW: HP FOGJET & HP MULTIPOINT FOGJET

- HP FogJet nozzles produce a single hollow cone spray while MultiPoint versions produce individual hollow cone sprays to create a single large plume of fine droplets
- HP FogJet and HP MultiPoint FogJet nozzles produce streak-free, uniform hollow cone sprays using high pressure for atomization
- HP MultiPoint FogJet nozzles simplify installation and lower costs by having 12, 10 or 8 spray tips on a single body
- Save on nozzle replacement and maintenance costs: design allows easy tip change out in place on pipe and header – remove tips by unscrewing the retainer cap

HP FOGJET

- Spray angle: standard 80° nominal @ 1000 psi (69 bar); wider angles available upon request
- Flow rate range: 0.75 gph (2.84 lph) to 20 gph (75.7 lph) @ 1000 psi (69 bar)
- Max. operating pressure 3000 psi (207 bar)
- 40 micron integrated filter and a HDPE 85 micron replaceable filter

**HP FogJet**

1/8", 1/4" male conn.; 3/8-24 UNF male conn.

HP FOGJET SPRAY TIPS

- Spray angles range 35° to 85°
- Uniform spray distribution from 0.47 to 12.6 gph (1.78 to 47.7 lpm)
- Use with UniJet® T & TT bodies
- Assembly comes with a 200 or 325 mesh strainer depending upon capacity and a 40 micron filter integrated in the spray tip

**HP Spray Tip**1/8", 1/4" with UniJet T female conn.
or UniJet TT male conn.**HP FOGJET MULTIPOINT**

- Spray angle: plume equivalent to 120° @ 1000 psi (69 bar)
- Flow rate range (all 12 legs): 9 gph (34 lph) to 240 gph (908.5 lph) @ 1000 psi (69 bar)
- Max. operating pressure 3000 psi (207 bar)
- Assembly comes with a 200 or 325 mesh strainer depending upon capacity
- Choose from 12, 10 or 8 leg versions

**HP Multipoint Threaded**1/4 to 1/2 male conn.
shown with HP FogJet body

HP DUAL FOGJET MULTIPOINT

- Spray angle: plume equivalent to 75° for flat @ 1000 psi (69 bar)
Bent 45° nozzle 120° @ 1000 psi (69 bar)
- Flow rate range (all 32 legs): 24 gph (90 lph) to 640 gph (2422.6 lph)
@ 1000 psi (69 bar)
- Max. operating pressure 3000 psi (207 bar)
- 8310A external filter recommended: 200 mesh screen
replaceable filter for capacities greater than 2.5, 325 mesh screen
for capacities 2.5 and lower
- Choose from 20+8, 20+10, 20+12 leg options

S



HP Multipoint Bent 45°
3/4" male conn.
shown with HP FogJet body

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.

ORDERING INFORMATION

HP FOGJET



Example



Add -CV after capacity for check valve version. Add -S after capacity for safety wire version.
For straight thread connection, omit "Conn. Size" and use ST-HP as "Nozzle Type".
BSPT connections require the addition of a "B" prior to the inlet connection.

HP FOGJET TIP WITH UNIJET BODY

NOZZLE BODY

SPRAY TIP



Example



BSPT connections require the addition of a "B" prior to the nozzle body inlet connection.
Tip retainer CP1325 is included with UniJet T and TT bodies for more detail see page B36

HP MULTIPOINT FOGJET WITH THREADED CONN.

HP MULTIPOINT

NOZZLE BODY



Example



For BSPT connections, add B: CPB116430-xx-xxx. Safety wire hole comes standard.

HP DUAL MULTIPOINT FOGJET



Example



For BSPT connections add B3/4HP. Safety wire hole comes standard.
Add F to conn. size for flat version. Add W for wide version. No letter for 45° bent version.





PERFORMANCE DATA: HIGH PERFORMANCE, HIGH PRESSURE STANDARD ANGLE SPRAY



Nozzle Type	Capacity Size	Flow Rate Capacity (gallons per minute)									Spray Angle (°)	
HP FogJet Spray Tip		20 psi	30 psi	40 psi	60 psi	80 psi	100 psi	150 psi	200 psi	400 psi	20 psi	100 psi
•	1.5	-	-	-	-	-	.53	.64	.73	.99	-	35
•	1.8	-	-	-	-	-	.64	.77	.87	1.2	-	38
•	2	-	-	-	-	.59	.66	.80	.92	1.3	-	42
•	2.5	-	-	-	.65	.74	.83	1	1.2	1.6	-	67
•	3	-	-	-	.73	.85	.95	1.2	1.3	1.9	-	55
•	5	-	-	1	1.2	1.4	1.6	1.9	2.2	3.2	-	53
•	7.5	1.1	1.3	1.5	1.8	2.1	2.4	2.9	3.4	4.7	37	64
•	10	1.4	1.7	2	2.5	2.8	3.2	3.9	4.5	6.3	67	85
•	15	2.1	2.6	3	3.7	4.2	4.7	5.8	6.7	9.5	65	80
•	20	2.8	3.5	4	4.9	5.7	6.3	7.8	8.9	12.6	55	75

For more information on calculating unknown flow or pressure, see page A5



PERFORMANCE DATA: HIGH PERFORMANCE, HIGH PRESSURE STANDARD ANGLE SPRAY



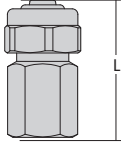
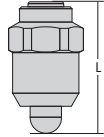
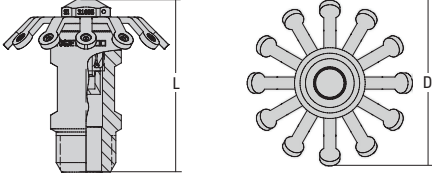
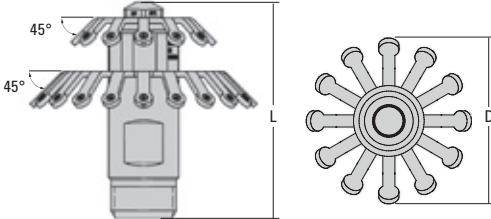
Nozzle Type	Capacity Size	Flow Rate Capacity (gallons per hour)				Flow exponent
HP FogJet nozzle and per leg in MultiPoint versions		100 psi	500 psi	1000 psi	3000 psi	
•	0.75	—*	0.57	0.75	1.2	0.40
•	1.5	0.53	1.1	1.5	2.5	0.45
•	1.8	0.64	1.3	1.8	3.0	0.45
•	2	0.66	1.4	2.0	3.4	0.48
•	2.5	0.83	1.8	2.5	4.2	0.48
•	3	0.95	2.1	3.0	5.2	0.50
•	5	1.6	3.5	5.0	8.7	0.50
•	7.5	2.4	5.3	7.5	13.0	0.50
•	10	3.2	7.1	10.0	17.3	0.50
•	15	4.7	10.6	15.0	26	0.50
•	20	6.3	14.1	20	34.6	0.50

*Min. operating pressure for 0.75 is 150 psi (10.3 bar)

For more information on calculating unknown flow or pressure, see page A5
Request data sheets: 116015-1, 116015-2 and 116015-3 for drop size graphs.



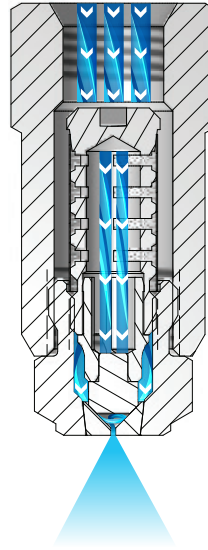
DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex (in.)	D (Dia.) (in.)	Net Weight (oz.)
	UniJet® T (F) + HP UniJet TT (M) + HP	1/8	1.595	13/16	—	2.2
		1/4	1.595	13/16	—	2.2
	HP FogJet (M)	1/8 NPT	.75	7/16	—	.32
		1/4 NPT	.84	9/16	—	.64
		3/8-24 UNF	.73	1/2	—	.34
	HP MultiPoint Threaded (M)	1/4	2.43	—	2.33	5.2
		3/8				
		1/2				
	HP Dual MultiPoint Bent 45° Version (M)	3/4	3.47	—	3.64	16.5

Based on the largest/heaviest version of each type.
Contact your local sales engineer or spray.com/sprayfinder for information about nozzle bodies and filters

OVERVIEW: HYDRAULIC ATOMIZING

- Finely atomized, hollow cone spray without compressed air
- Very small drops often achieving misting performance
- Ideal for use in dust control and humidification applications
- Wall-mount options for installation on room walls, vessel bulkheads or pipeline
- Orifice inserts, cores and strainers are easily removed for inspection or cleaning
- Most models can be supplied with an internal strainer
- Spray angles: Standard – 43° to 94°, Wide – 112° to 120°
- Uniform spray distribution from .82 to 130 gph (3.1 to 492 lph)
- Operating pressures from 20 to 1000 psi (1.5 to 69 bar)

**Hydraulic
Atomizing Nozzles**

The liquid passes through slots in the core component. 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.

HYDRAULIC ATOMIZING OPTIONS



LN
1/4" female conn.
Integral strainer



LNN
1/4" male conn.
Integral strainer



LND
1/4" female conn. with 1/2" male
wall-mounting threads
Wall-mount
Integral strainer



LNN
1/4" male conn. with 1/2" male
wall-mounting threads
Wall-mount
Integral strainer



N
1/4" female conn.



NN
1/4" male conn.



M
1/4" male conn.
Two-piece design

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.



ORDERING INFORMATION

HYDRAULIC ATOMIZING LN, LND, N AND M

Inlet Conn.	Nozzle Type	—	Material Code	Capacity Size	Example
					1/4 LN — SS 8

BSPT connections require the addition of a "B" prior to the inlet connection.
To order M with strainer, use ML as Nozzle Type.

HYDRAULIC ATOMIZING LN AND N

Inlet Conn.	Nozzle Type	—	Material Code	Capacity Size	Example
					1/4 LN — SS 8W

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

QUICK REFERENCE GUIDE

Model	Connection/Type	Connection Size (in.)	Materials	Page Number	
				Performance Data	Dimensions and Weights
LN	F	1/4	Brass, 303 stainless steel (SS), 316 stainless steel (316SS)	E10	E11
LNN	M	1/4			
LND	F, Wall-mount	1/4	Brass, 303 stainless steel (SS)		
LNND	M, Wall-mount	1/4			
N	F	1/4	Brass, 303 stainless steel (SS), 316 stainless steel (316SS), Polyvinyl chloride (PVC)		
NN	M	1/4	Brass, 303 stainless steel (SS), 316 stainless steel (316SS)		
M	M	1/4	Brass, 303 stainless steel (SS), 316 stainless steel (316SS), Polyvinyl chloride (PVC)		
LN-W	F	1/4	Brass, 303 stainless steel (SS), 316 stainless steel (316SS)	E11	
LNN-W	M	1/4			
N-W	F	1/4			
NN-W	M	1/4			

F = female thread; M = male 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.



S

PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Inlet Conn. (in.)	Nozzle Type							Capacity Size	Orifice Dia. Nom. (in.)	Core No.	Flow Rate Capacity (gallons per hour)										Spray Angle (°)		
	LN	LNN	LND	LNND	N	NN	M				30 psi	40 psi	60 psi	100 psi	200 psi	300 psi	500 psi	700 psi	1000 psi	40 psi	80 psi	300 psi	
1/4	●	●						.30	.016	106	—	—	—	—	—	.82	1.1	1.3	1.5	—	—	51	
	●	●						.40	.016	108	—	—	—	—	—	1.1	1.4	1.7	2.0	—	—	58	
	●							.50	.016	109	—	—	—	—	1.1	1.4	1.8	2.1	2.5	—	—	63	
	●	●	●	●	●	●	●	.60	.016	206	—	—	—	.95	1.3	1.6	2.1	2.5	3.0	—	35	65	
	●	●	●	●	●	●	●	1	.020	210	—	1.0	1.2	1.6	2.2	2.7	3.5	4.2	5.0	45	62	72	
	●	●	●	●	●	●	●	1.5	.020	216	1.3	1.5	1.8	2.4	3.4	4.1	5.3	6.3	7.5	65	70	72	
	●	●	●	●	●	●	●	2	.028	216	1.7	2.0	2.4	3.2	4.5	5.5	7.1	8.4	10.0	70	75	77	
	●	●	●	●	●	●	●	3	.028	220	2.6	3.0	3.7	4.7	6.7	8.2	10.6	12.5	15.0	65	70	73	
	●	●	●	●	●	●	●	4	.042	220	3.5	4.0	4.9	6.3	8.9	11.0	14.1	16.7	20	72	81	84	
	●	●	●	●	●	●	●	6	.042	225	5.2	6.0	7.3	9.5	13.4	16.4	21	25	30	73	79	81	
	●	●	●	●	●	●	●	8	.060	225	6.9	8.0	9.8	12.6	17.9	22	28	33	40	85	89	91	
	●	●	●	●	●	●	●	10	.064	420	8.7	10.0	12.2	15.8	22	27	35	42	50	82	84	86	
	●	●	●	●	●	●	●	12	.076	420	10.4	12.0	14.7	19.0	27	33	42	50	60	78	82	85	
	●	●	●	●	●	●	●	14	.076	421	12.1	14.0	17.1	22	31	38	49	59	70	85	88	90	
					●	●		16	.086	421	13.9	16.0	19.6	25	36	44	57	67	80	83	86	88	
	●	●	●	●	●	●	●	18	.076	422	15.6	18.0	22	28	40	49	64	75	90	81	84	86	
	●						●	20	.081	422	17.3	20	24	32	45	55	71	84	100	75	78	80	
	●	●	●	●	●	●	●	22	.076	625	19.1	22	27	35	49	60	78	92	110	70	72	75	
	●	●	●	●	●	●	●	26	.086	625	23	26	32	41	58	71	92	109	130	73	74	77	

Maximum operating pressure depends on material and application. Contact your sales engineer for details.

Highlighted column shows the rated pressure.



W

PERFORMANCE DATA:
WIDE ANGLE SPRAY

Inlet Conn. (in.)	Nozzle Type				Capacity Size	Orifice Dia. Nom. (in.)	Core No.	Flow Rate Capacity (gallons per hour)				Spray Angle (°)	
	LN-W	LNN-W	N-W	NN-W				20 psi	30 psi	40 psi	80 psi	40 psi	80 psi
1/4	•	•	•	•	2W	.039	210	–	1.7	2.0	2.8	165	158
	•	•	•	•	3W	.039	216	2.1	2.6	3.0	4.2	157	152
	•	•	•	•	4W	.060	220	2.8	3.5	4.0	5.7	156	155
	•	•	•	•	8W	.060	225	5.7	6.9	8.0	11.3	152	153

Highlighted column shows the rated pressure.

DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Body Hex. (in.)	Cap Hex. (in.)	Net Weight (oz.)
	LN (F) LN-W (F)	1/4	1.935	13/16	5/8	3.6
	LNN (M) LNN-W (M)	1/4	2.092	13/16	5/8	3.3
	LND (F)	1/4	1.875	7/8 dia.	5/8	3.2
	LNND (M)	1/4	2.031	7/8 dia.	5/8	3.2

Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Body Hex. (in.)	Cap Hex. (in.)	Net Weight (oz.)
	N (F) N-W (F)	1/4	1.313	11/16	5/8	1.9
	NN (M) NN-W (M)	1/4	1.404	11/16	5/8	1.8
	M (M)	1/4	0.844	9/16	–	0.7

Based on the largest/heaviest version of each type.



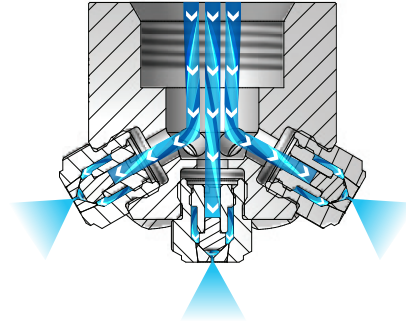


OVERVIEW: FOGJET

- 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

W



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

W



7N
1" female conn.
Optional TWD strainer

N



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
Example	1-1/2	7G	SS 30

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

FOGJET FF

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

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.





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)	E13	E16
7G	F	3/4 to 1-1/2		E14	
FF	F	3/4 to 1-1/4	Brass, 303 stainless steel (SS)	E15–E16	

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.

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.



W PERFORMANCE DATA:
WIDE ANGLE SPRAY



Inlet Conn. (in.)	Nozzle Type	Capacity Size	Dimensions			Flow Rate Capacity (gallons per minute)						
	7G		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.



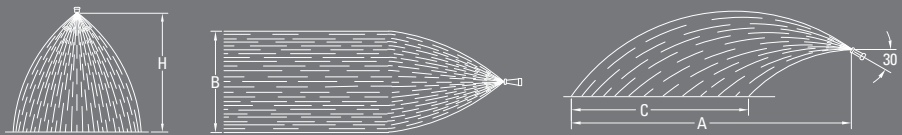
N

PERFORMANCE DATA:
NARROW ANGLE SPRAY

Inlet Conn. (in.)	Nozzle Type	Capacity Size	Flow Rate Capacity (gallons per minute)					
	FF		20 psi	40 psi	60 psi	80 psi	100 psi	150 psi
3/4	●	4.8	3.4	4.8	5.9	6.8	7.6	9.3
	●	9	6.4	9.0	11.0	12.7	14.2	17.4
	●	12	8.5	12.0	14.7	17.0	19.0	23
	●	18	12.7	18.0	22	25	28	35
1	●	25	17.7	25	31	35	40	48
	●	35	25	35	43	49	55	68
1-1/4	●	50	35	50	61	71	79	97
	●	70	49	70	86	99	111	136

Highlighted column shows the rated pressure.

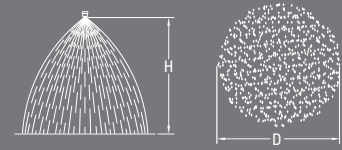
N

PERFORMANCE DATA:
NARROW ANGLE SPRAY

Nozzle Type	Capacity Size	"H" Height Above Floor (ft.)	Spray Dimensions and Coverage (ft.)					
			40 psi			100 psi		
			A	B*	C	A	B*	C
●	4.8	3	17	7	13	25	5	20
●	9	3	23	8	17	31	5.5	24
●	12	3	25	8	18	33	5.5	25
●	18	3	29	8	19	36	5.5	26
●	25	3	32	8	24	42	5.5	32
●	35	3	36	8	28	55	6	45
●	50	3	37	8	28	60	6	50
●	70	3	46	8	36	72	6	60

*B dimension is taken at widest portion of A.



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
•	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.

