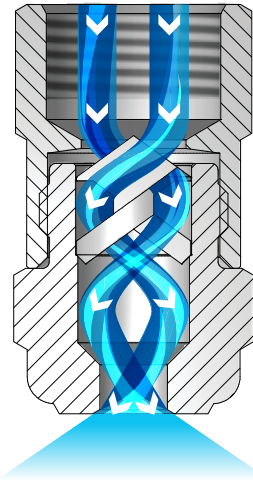


OVERVIEW: FULLJET G AND H

- Solid cone-shaped spray pattern with round impact area
- Unique vane design minimizes turbulence of the fluid to ensure uniform spray distribution and consistent spray coverage
- Large unobstructed flow passages minimize clogging and increase throughput
- Removable caps and vanes in most models make maintenance fast and easy
- Standard, wide and narrow spray angles



FullJet G and H Nozzles

The liquid enters the nozzle and proceeds through the vane. The vane causes the liquid to swirl. The design of the nozzle ensures the liquid continues to swirl as it enters the orifice. The liquid breaks up as it exits the nozzle orifice forming a well defined cone pattern. The drops are uniform in size and distributed equally throughout the spray pattern.

FULLJET G NOZZLES

- Spray angles: Standard – 43° to 94°, Narrow – 15° or 30°, Wide – 112° to 120°
- Uniform spray distribution from .07 to 25 gpm (.29 to 92 lpm)
- Operating pressures up to 300 psi (20 bar)
- Wall-mount versions for installation on room exterior, vessel or pipeline
- Right-angle mount versions for 90° angle mounting in areas with limited space



G
1/8" to 1/2" female conn.
Removable cap and vane



GG
1/8" to 1/2" male conn.
Removable cap and vane

FULLJET G OPTIONS

A silver-colored FullJet GD nozzle. To its left is a legend with a blue box containing 'S' and a red droplet below, indicating a standard angle spray pattern.

GD – 1/8" to 1/2" female conn.
Wall-mount
Removable cap and vane

A silver-colored FullJet GGD nozzle. To its left is a legend with a blue box containing 'S' and a red droplet below, indicating a standard angle spray pattern.

GGD – 1/8" to 1/2" male conn.
Wall-mount
Removable cap and vane

A silver-colored FullJet GA nozzle. To its left is a legend with a blue box containing 'S' and a white box containing 'W', with a green droplet above and a red droplet below, indicating a wide angle spray pattern.

GA – 1/8" to 1/2" female conn.
Angle-type
Removable cap and vane

A brass-colored FullJet GGA nozzle. To its left is a legend with a blue box containing 'S' and a white box containing 'W', with a green droplet above and a red droplet below, indicating a wide angle spray pattern.

GGA – 1/8" to 1/2" male conn.
Angle-type
Removable cap and vane

A silver-colored FullJet G-15 nozzle. To its left is a legend with a black box containing 'N' and a red droplet below, indicating a narrow angle spray pattern.

G-15
1/8" to 1/2" female conn.
Removable cap and vane

A brass-colored FullJet GG-15 nozzle. To its left is a legend with a black box containing 'N' and a red droplet below, indicating a narrow angle spray pattern.

GG-15
1/8" to 1/2" male conn.
Removable cap and vane


A silver-colored FullJet G-30 nozzle. To its left is a legend with a black box containing 'N' and a red droplet below, indicating a narrow angle spray pattern.

G-30
1/8" to 3/4" female conn.
Removable cap and vane

A brass-colored FullJet GG-30 nozzle. To its left is a legend with a black box containing 'N' and a red droplet below, indicating a narrow angle spray pattern.

GG-30
1/8" to 3/4" male conn.
Removable cap and vane

FULLJET H NOZZLES

- Spray angles: Standard – 43° to 94°, Narrow – 15° or 30°, Wide – 102° to 125°
- Uniform spray distribution from .07 to 5324 gpm (.29 to 19842 lpm)
- Operating pressures up to 300 psi (20 bar)
- Wall-mount versions for installation on room exterior, vessel or pipeline
- Certain nozzles available with UL listing 



H – 3/4" to 1" female conn. One-piece body
H – 1-1/4" to 8" female conn. Removable vane/cast body
H – 1-1/2" to 2" female conn. Removable vane/polypropylene*

FULLJET H OPTIONS

 <p>HH – 1/8" to 1" male conn. One-piece body</p>	 <p>D-HH – 1/2" to 3/4" male conn. One-piece body/plastic**</p>	 <p>HF – 4" to 10" flange conn. Removable vane/cast body</p>	
 <p>HD – 3/4" to 3" female conn. Wall-mount One-piece body</p>	 <p>H-15 – 3/4" to 3" female conn. One-piece body Removable vane</p>	 <p>H-15 – 4" to 5" female conn. Two-piece cast body Removable vane</p>	 <p>HH-30 – 1" to 2-1/2" male conn. One-piece body Removable vane</p>

*Max. temperature for polypropylene: 150°F (66°C). ** Max. temperature for Kynar®: 212°F (100°C).

ORDERING INFORMATION

FULLJET G, GD, GA, G-15, G-30, H, HF, HD, H-15 AND HH-30

Inlet Conn.	Nozzle Type	–	Material Code	Capacity Size	Example
					1/4 G – SS 10

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

FULLJET D-HH

Nozzle Prefix	Inlet Conn.	Nozzle Type	–	Material Code	Spray Angle	Capacity Size	Example
							D 1/2 HH – PP 70 24

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.



PERFORMANCE DATA:
STANDARD ANGLE SPRAY



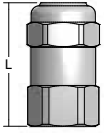
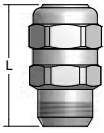
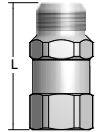
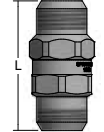
Inlet Conn. (in.)	Nozzle Type										Capacity Size	Orifice Dia. Nom. (in.)	Max. Free Passage Dia. (in.)	Flow Rate Capacity (gallons per minute)										Spray Angle (°)		
	Standard				Wall-Mount			Angle						5 psi	7 psi	10 psi	20 psi	40 psi	80 psi	100 psi	150 psi	7 psi	20 psi	80 psi		
	G	GG	H	HH	HF	GD	HD	GGD	GA	GGA																
1/8	•	•		•		•					1	.031	.025	–	–	.10	.14	.19	.26	.29	.35	–	58	53		
	•	•		•							1.5	.044	.025	.11	.13	.15	.21	.28	.39	.43	.52	52	65	59		
	•	•		•		•		•	•	•	2	.048	.040	.15	.17	.20	.28	.38	.52	.58	.70	43	50	46		
	•	•		•		•		•	•	•	3	.063	.040	.22	.25	.30	.41	.57	.78	.87	1.0	52	65	59		
	•	•		•		•		•	•	•	3.5	.063	.050	.25	.30	.35	.48	.66	.91	1.0	1.2	43	50	46		
									•	•	3.9	.078	.040	.28	.33	.39	.54	.74	1.0	1.1	1.4	77	84	79		
	•	•		•		•		•	•	•	5	.078	.050	.36	.42	.50	.69	.95	1.3	1.4	1.7	52	65	59		
1/4								•	•	6.1	.094	.050	.44	.52	.61	.84	1.2	1.6	1.8	2.1	69	74	68			
	•	•		•		•		•	•	•	6.5	.094	.063	.47	.55	.65	.89	1.2	1.7	1.9	2.3	45	50	46		
	•	•		•		•		•	•	•	10	.109	.063	.73	.85	1.0	1.4	1.9	2.6	2.9	3.5	58	67	61		
3/8								•	•	12.5	.125	.063	.91	1.1	1.3	1.7	2.4	3.3	3.6	4.3	69	74	68			
	•	•		•		•		•	•	•	9.5	.109	.094	.69	.81	.95	1.3	1.8	2.5	2.7	3.3	45	50	46		
	•	•		•		•		•	•	•	15	.141	.094	1.1	1.3	1.5	2.1	2.8	3.9	4.3	5.2	64	67	61		
									•	•	20	.156	.109	1.5	1.7	2.0	2.8	3.8	5.2	5.8	7.0	76	80	73		
1/2	•	•						•	•	22	.188	.109	1.6	1.9	2.2	3.0	4.2	5.7	6.3	7.6	87	90	82			
	•	•						•	•	•	16	.141	.125	1.2	1.4	1.6	2.2	3.0	4.2	4.6	5.6	48	50	46		
	•	•		•		•		•	•	•	25	.188	.125	1.8	2.1	2.5	3.4	4.7	6.5	7.2	8.7	64	67	61		
	•	•							•	•	32	.203	.141	2.3	2.7	3.2	4.4	6.1	8.3	9.2	11.1	72	75	68		
	•	•		•					•	•	40	.250	.141	2.9	3.4	4.0	5.5	7.6	10.4	11.5	13.9	88	91	83		
3/4									•	•	50	.266	.156	3.6	4.2	5.0	6.9	9.5	13.0	14.4	17.4	91	94	86		
			•	•							2.5	.188	.172	2.1	2.5	2.9	4.1	5.6	7.7	8.5	10.2	48	50	46		
			•	•							4.0	.250	.172	3.4	4.0	4.7	6.5	8.9	12.3	13.6	16.4	67	70	63		
1			•	•							7.0	.328	.203	6.0	7.0	8.2	11.3	15.6	21	24	29	89	92	84		
			•	•							4.2	.234	.219	3.6	4.2	4.9	6.8	9.4	12.9	14.3	17.2	48	50	46		
			•	•							7.0	.328	.219	6.0	7.0	8.2	11.3	15.6	21	24	29	67	68	62		
			•	•							8.0	.375	.219	6.9	8.0	9.4	13.0	17.8	25	27	33	72	81	82		
			•	•							10	.469	.219	8.6	10.0	11.8	16.2	22	31	34	41	78	90	94		
			•	•							12	.469	.250	10.3	12.0	14.1	19.4	27	37	41	49	89	92	84		
1-1/4			•								6	.297	.250	5.1	6.0	7.1	9.7	13.4	18.4	20	25	48	50	44		
			•								10	.375	.250	8.6	10.0	11.8	16.2	22	31	34	41	64	67	58		
			•								12	.422	.250	10.3	12.0	14.1	19.4	27	37	41	49	66	70	60		
			•								14	.484	.250	12.0	14.0	16.5	23	31	43	48	57	77	80	70		
			•								16	.500	.313	13.7	16.0	18.9	26	36	49	54	66	73	76	66		
		•								20	.594	.313	17.1	20	24	32	45	61	68	82	90	93	81			

Maximum Free Passage Diameter is the maximum diameter as listed of foreign matter that can pass through the nozzle without clogging.

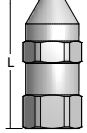
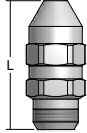
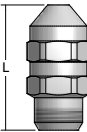
Highlighted column shows the rated pressure.



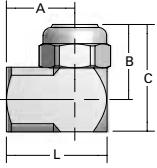
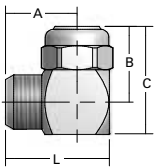
DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	Net Weight (oz.)
	G (F) G-W (F)	1/8	1.219	9/16	1
		1/4	1.469	11/16	1.5
		3/8	1.812	13/16	2.5
		1/2	2.250	1	6
	GG (M) GG-W (M)	1/8	1.281	9/16	0.8
		1/4	1.563	11/16	1.5
		3/8	1.844	13/16	2.5
		1/2	2.219	1	6
	GD (F)	1/8	1.391	9/16	1
		1/4	1.609	11/16	1.5
		3/8	1.813	1	2.5
		1/2	1.203	1	4.8
	GGD (M)	1/8	1.453	9/16	1
		1/4	1.703	11/16	1.5
		3/8	1.844	13/16	2.5
		1/2	2.172	1	4.5

Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	Net Weight (oz.)
	G-15 (F)	1/8	1.313	9/16	1
		1/4	1.625	11/16	2
		3/8	1.875	13/16	3
		1/2	2.406	1	6
	GG-15 (M)	1/8	1.375	9/16	1
		1/4	1.719	11/16	1.3
		3/8	1.906	13/16	3.3
		1/2	2.406	1	6
	G-30 (F)	1/8	1.390	11/16	2.3
		1/4	1.688	13/16	3.3
		3/8	2.125	1	6
		1/2	2.343	1-1/4	11.3
		3/4	3.313	1-1/2	15
	GG-30 (M)	1/8	1.531	23/32	2
		1/4	1.781	13/16	3
		3/8	2.188	13/16	5.5
		1/2	2.750	1-1/4	9
		3/4	3.438	1-1/2	20

Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	A (in.)	B (in.)	C (in.)	Net Weight (oz.)
	GA (F) GA-W (F)	1/8	0.910	0.630	0.563	0.844	1.5
		1/4	1.130	0.790	0.781	1.125	2
		3/8	1.281	0.875	1.188	1.594	3.3
		1/2	1.563	1.063	1.359	1.859	6.3
	GGA (M) GGA-W (M)	1/8	0.940	0.660	0.563	0.844	1.5
		1/4	1.160	0.820	0.781	1.125	2
		3/8	1.313	0.906	1.188	1.594	3.3
		1/2	1.609	1.109	1.359	1.859	6.3

Based on the largest/heaviest version of each type.