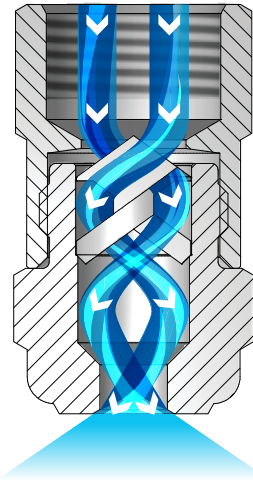


OVERVIEW: FULLJET G AND H

- 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



*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



Drop size will vary based on flow rate and pressure.

S 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														
8			●		●						500	2.750	1.875	428	500	589	810	1115	1533	1699	2048	78	80	70
			●		●						600	3.156	1.875	514	600	707	972	1338	1840	2039	2457	86	88	77
			●		●						700	3.594	1.875	600	700	825	1135	1561	2147	2379	2867	92	95	83
			●		●						800	4.031	2.250	685	800	943	1297	1784	2453	2719	3276	102	105	91
			●		●						900	4.875	2.250	771	900	1060	1459	2007	2760	3058	3686	106	110	96
10					●						800	3.344	2.500	685	800	943	1297	1784	2453	2719	3276	78	80	70
					●						1000	3.969	2.500	857	1000	1178	1621	2229	3067	3398	4095	86	89	77
					●						1200	4.797	2.625	1028	1200	1414	1945	2675	3680	4078	4914	97	100	87
					●						1300	5.313	2.625	1114	1300	1532	2107	2898	3987	4418	5324	103	106	92

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.

S PERFORMANCE DATA: **STANDARD ANGLE SPRAY**

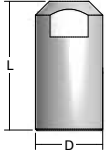
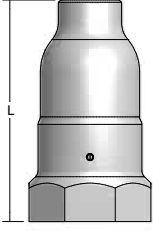
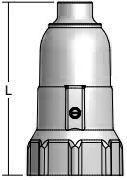
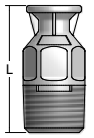
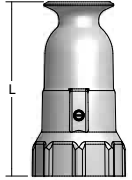
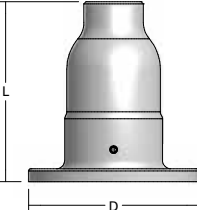
Inlet Conn. (in.)	Nozzle Type			Capacity Size	Max. Free Passage Dia. (in.)	Flow Rate Capacity (gallons per minute)									
	D-HH					5 psi	7 psi	10 psi	20 psi	30 psi	40 psi	60 psi	80 psi	100 psi	150 psi
	Spray Angle														
	70°	90°	120°												
1/2	●	●		24	0.161	1.7	2.0	2.4	3.3	4.0	4.6	5.5	6.3	6.9	8.3
		●		26	0.161	1.9	2.2	2.6	3.6	4.3	5.0	5.9	6.8	7.5	9.0
	●	●		27.5	0.162	2.0	2.3	2.8	3.8	4.6	5.3	6.3	7.2	7.9	9.6
	●	●	●	31	0.118	2.3	2.6	3.1	4.3	5.1	5.9	7.1	8.1	8.9	10.8
		●	●	40	0.138	2.9	3.4	4.0	5.5	6.6	7.7	9.1	10.4	11.5	13.9
		●	●	50	0.165	3.6	4.2	5.0	6.9	8.3	9.6	11.4	13.0	14.4	17.4
		●	●	58	0.197	4.2	4.9	5.8	8.0	9.6	11.1	13.2	15.1	16.7	20.2
3/4		●		3.4	0.197	2.9	3.4	4.0	5.5	6.7	7.7	9.1	10.4	11.5	13.9
		●		4.1	0.197	3.5	4.1	4.8	6.6	8.1	9.2	11.0	12.6	13.8	16.7
		●		4.8	0.197	4.1	4.8	5.6	7.7	9.4	10.7	12.9	14.7	16.2	19.5
		●	●	6	0.221	5.2	6.0	7.1	9.8	11.7	13.6	16.1	18.4	20.5	24.7
		●	●	7	0.221	6.0	7.0	8.3	11.4	13.7	15.9	18.8	21.5	23.9	28.9
		●	●	8.5	0.228	7.3	8.5	10.0	13.8	16.6	19.2	22.8	26.0	28.8	34.8
			●	10	0.228	8.6	10.0	11.8	16.2	19.5	22.3	26.9	30.7	34.0	41.0

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

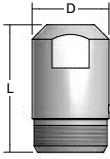
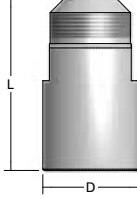
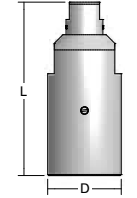

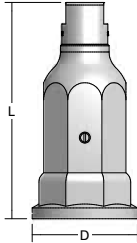
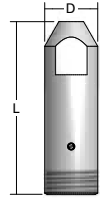
Highlighted column shows the rated pressure.



DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	D (Dia.) (in.)	Net Weight (oz.)
	H (F) H-W (F)	3/4	2.188	1.250	7.3
		1	2.734	1.500	12.4
	H (F) H-W (F) Cast	1-1/4	3.440	2.063 oct.	25.7
		1-1/2	4.063	2.313 oct.	25.4
		2	5.440	3.000 oct.	60
		2-1/2	6.313	3.438 oct.	76
		3	7.375	4.063 oct.	95.3
		4	9.563	5.438 oct.	12 lbs.
	H (F) Cast	5	11.563	6.750 oct.	30.8 lbs.
		6	14.375	8.000 oct.	49 lbs.
	H (F) Polypropylene	1-1/2	4.100	2.344	2.3
		2	5.188	3.000	3.8
	D-HH (M) Polypropylene	1/2	1.700	0.750	0.3
		3/4	2.090	1.000	0.9
	H-W (F) Polypropylene	1-1/2	4.240	2.344	1.9
		2	5.465	2.813	4
	HF (Flange)	4	8.125	8.750	28.8 lbs.
		5	10.560	10.000	34.3 lbs.
		6	12.625	11.000	49 lbs.
		8	16.625	13.500	120 lbs.
		10	20.750	16.000	193 lbs.

Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	D (Dia.) (in.)	Net Weight (oz.)
	HH (M) HH-W (M)	1/8	0.875	0.500	0.5
		1/4	0.880	0.531	0.5
		3/8	0.940	0.656	1
		1/2	1.156	0.813	1.5
		3/4	1.531	1.063	3.5
		1	2.031	1.313	7
	HH-W (M) (Wide angle only) Standard angle not available for these sizes	1-1/4	2.750	1.688	21.4
		1-1/2	3.250	2.000	28.7
	HD (F)	3/4	2.125	1.250	6
		1	2.688	1.500	10.4
		1-1/4	3.375	1.875	25.6
		1-1/2	4.063	2.250	47.3
		2	5.063	2.750	66.3
		2-1/2	6.250	3.250	7.9 lbs.
		3	7.313	4.000	12.6 lbs.
			H-15 (F)	3/4	2.844
1	3.625			1.500	19
1-1/4	4.625			1.875	36.7
1-1/2	5.000			2.313	39.3
2	7.219			3.000	43.8
2-1/2	8.656			3.109	6.2 lbs.
	H-15 (F) Cast	4	13.313	5.438	14.8 lbs.
		5	16.875	6.750	39 lbs.
	HH-30 (M)	1	3.625	1.313	16
		1-1/4	6.090	1.750	41
		1-1/2	6.190	1.875	47
		2	7.859	2.375	11.7 lbs.
		2-1/2	10.375	2.875	12 lbs.
		3	10.375	3.500	31.9 lbs.

Based on the largest/heaviest version of each type.

