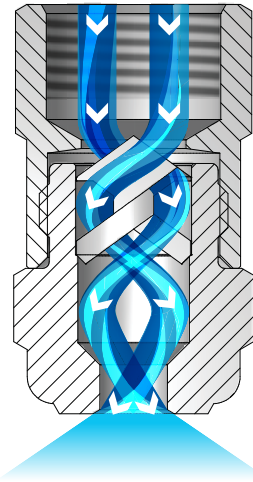


OVERVIEW: FULLJET G AND H

- 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

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

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

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

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

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

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

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


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

S STANDARD ANGLE SPRAY

W WIDE ANGLE SPRAY

N NARROW ANGLE SPRAY

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 



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.

W PERFORMANCE DATA:
WIDE 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				Angle					5 psi	7 psi	10 psi	15 psi	20 psi	40 psi	80 psi	5 psi	10 psi	80 psi
	G-W	GG-W	HH-W	H-W	GA-W	GGA-W													
1/8	•	•					1.5W	.047	.025	–	–	.15	.18	.21	.28	.39	–	120	86
	•	•	•				2.8W	.063	.040	–	–	.28	.34	.39	.53	.73	–	120	102
	•	•	•		•	•	4.3W	.078	.040	–	–	.43	.52	.59	.81	1.1	–	120	102
	•	•					5.6W	.094	.040	–	.48	.56	.67	.77	1.1	1.5	–	120	102
	•	•	•		•	•	8W	.094	.050	–	.68	.80	.96	1.1	1.5	2.1	–	120	103
1/4	•	•					10W	.109	.050	.73	.85	1.0	1.2	1.4	1.9	2.6	112	120	103
	•	•					12W	.125	.050	.87	1.0	1.2	1.4	1.7	2.3	3.1	114	120	103
	•	•	•		•	•	14W	.141	.063	1.0	1.2	1.4	1.7	1.9	2.6	3.6	114	120	103
3/8	•	•	•				17W	.156	.063	1.2	1.4	1.7	2.0	2.3	3.2	4.4	114	120	103
	•	•	•		•	•	20W	.172	.094	1.5	1.7	2.0	2.4	2.8	3.8	5.2	114	120	104
	•	•	•				24W	.188	.094	1.7	2.0	2.4	2.9	3.3	4.5	6.2	114	120	104
	•	•	•				27W	.203	.109	2.0	2.3	2.7	3.3	3.7	5.1	7.0	114	120	106
1/2	•	•	•				30W	.219	.109	2.2	2.5	3.0	3.6	4.1	5.7	7.8	114	120	108
	•	•	•		•	•	35W	.234	.125	2.5	3.0	3.5	4.2	4.8	6.6	9.1	114	120	108
	•	•	•				40W	.250	.125	2.9	3.4	4.0	4.8	5.5	7.6	10.4	114	120	108
	•	•	•				45W	.250	.141	3.3	3.8	4.5	5.4	6.2	8.5	11.7	114	120	110
	•	•	•		•	•	50W	.266	.156	3.6	4.2	5.0	6.0	6.9	9.5	13.0	114	120	112
3/4			•	•			6W	.391	.172	5.2	6.0	7.0	8.4	9.5	12.9	17.5	115	120	112
1			•	•			11W	.516	.219	9.5	11.0	12.9	15.4	17.5	24	32	117	120	117
1-1/4			•	•			16W	.609	.250	13.8	16.0	18.7	22	25	34	47	118	121	119
1-1/2			•	•			24W	.719	.406	21	24	28	34	38	52	70	119	124	119
2				•			47W	.984	.438	41	47	55	66	75	101	137	120	124	119
2-1/2				•			70W	1.3	.563	60	70	82	98	111	151	204	120	125	119
3				•			95W	1.4	.688	82	95	111	133	151	205	277	120	125	119
4				•			188W	2.0	.813	162	188	220	263	298	405	549	120	125	119

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) <small>(Wide angle only) Standard angle not available for these sizes</small>	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.
		3	7.313	4.000	12.6 lbs.
	H-15 (F)	3/4	2.844	1.250	10.9
		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	3	10.563	4.125	7.6 lbs.
		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.

