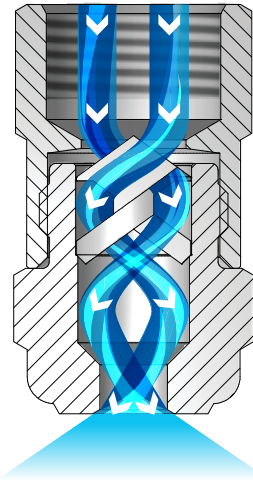


OVERVIEW: FULLJET G AND H

- 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

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

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

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

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


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

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

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

N
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 



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:
NARROW ANGLE SPRAY

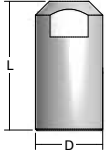
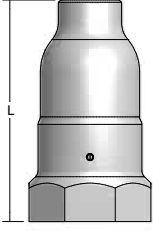
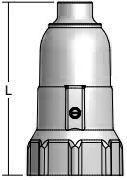
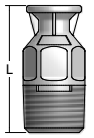
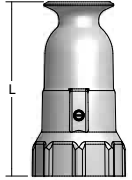
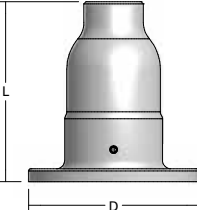


Inlet Conn. (in.)	Nozzle Type						Capacity Size	Orifice Dia. Nom. (in.)	Flow Rate Capacity (gallons per minute)										Spray Angle (°)			
	G-15	G-30	GG-15	GG-30	H-15	HH-30			10 psi	15 psi	20 psi	40 psi	80 psi	100 psi	150 psi	200 psi	300 psi	10 psi	15 psi	40 psi	100 psi	
1/8	●		●				1507	.063	.35	.43	.49	.70	.99	1.1	1.4	1.6	1.9	13	14	15	15	
	●		●				1514	.094	.70	.86	.99	1.4	2.0	2.2	2.7	3.1	3.8	13	14	15	15	
1/4	●		●				1530	.125	1.5	1.8	2.1	3.0	4.2	4.7	5.8	6.7	8.2	13	14	15	15	
3/8	●		●				1550	.172	2.5	3.1	3.5	5.0	7.1	7.9	9.7	11.2	13.7	13	14	15	15	
1/2	●		●				1590	.219	4.5	5.5	6.4	9.0	12.7	14.2	17.4	20	25	13	14	15	15	
3/4					●		15150	.297	7.5	9.2	10.6	15.0	21	24	29	34	41	13	14	15	15	
1					●		15280	.391	14.0	17.1	19.8	28	40	44	54	63	77	13	14	15	15	
1-1/4					●		15430	.484	22	26	30	43	61	68	83	96	118	14	14	15	15	
1-1/2					●		15630	.594	32	39	45	63	89	100	122	141	173	14	14	15	15	
2					●		151150	.797	58	70	81	115	163	182	223	257	315	14	14	15	15	
2-1/2					●		151750	.969	88	107	124	175	247	277	339	391	479	14	14	15	15	
3					●		152500	1.156	125	153	177	250	354	395	484	559	685	14	14	15	15	
4					●		154500	1.141	225	276	318	450	636	712	871	1006	1232	14	14	15	15	
5					●		157000	1.922	350	429	495	700	990	1107	1356	1565	1917	14	14	15	15	
1/8		●		●			3001.4	.031	.070	.086	.099	.14	.20	.22	.27	.31	.38	11	17	30	31	
		●		●			3002.5	.031	.13	.15	.18	.25	.35	.40	.48	.56	.68	12	17	30	32	
		●		●			3004	.047	.20	.24	.28	.40	.57	.63	.77	.89	1.1	20	26	30	32	
		●		●			3007	.063	.35	.43	.49	.70	.99	1.1	1.4	1.6	1.9	20	23	30	30	
1/4		●		●		3009	.078	.45	.55	.64	.90	1.3	1.4	1.7	2.0	2.5	20	23	30	30		
3/8		●		●		3014	.094	.70	.86	.99	1.4	2.0	2.2	2.7	3.1	3.8	20	25	30	30		
1/2		●		●		3030	.125	1.5	1.8	2.1	3.0	4.2	4.7	5.8	6.7	8.2	21	26	30	31		
3/4		●		●		3050	.172	2.5	3.1	3.5	5.0	7.1	7.9	9.7	11.2	13.7	22	26	30	31		
1						●	3070	.203	3.5	4.3	4.9	7.0	9.9	11.1	13.6	15.7	19.2	22	27	30	30	
						●	30100	.250	5.0	6.1	7.1	10.0	14.1	15.8	19.4	22	27	22	27	30	30	
1-1/4						●	30150	.297	7.5	9.2	10.6	15.0	21	24	29	34	41	22	27	30	30	
						●	30200	.344	10.0	12.2	14.1	20	28	32	39	45	55	22	27	30	30	
1-1/2						●	30250	.375	12.5	15.3	17.7	25	35	40	48	56	68	22	27	30	30	
						●	30300	.406	15.0	18.4	21	30	42	47	58	67	82	22	27	30	30	
2						●	30350	.438	17.5	21	25	35	49	55	68	78	96	22	28	30	30	
						●	30400	.469	20	24	28	40	57	63	77	89	110	22	28	30	30	
						●	30500	.531	25	31	35	50	71	79	97	112	137	22	28	30	30	
2-1/2						●	30600	.578	30	37	42	60	85	95	116	134	164	22	28	30	30	
						●	30700	.625	35	43	49	70	99	111	136	157	192	22	28	30	30	
						●	301000	.750	50	61	71	100	141	158	194	224	274	22	28	30	30	
						●	301100	.781	55	67	78	110	156	174	213	246	301	22	28	30	30	
					●	301200	.813	60	73	85	120	170	190	232	268	329	22	28	30	30		

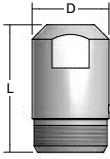
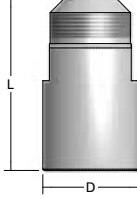
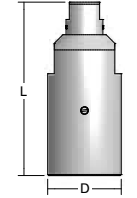

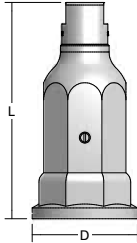
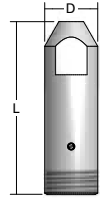
Highlighted column shows the rated pressure.



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.
		3	10.563	4.125	7.6 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	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.