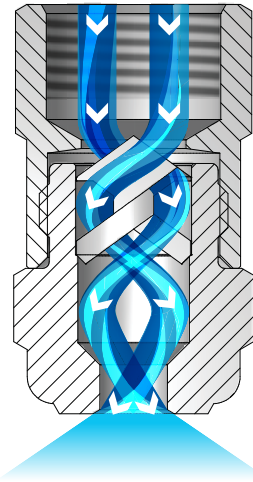


OVERVIEW: FULLJET G AND H

- 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 

S
W



H – 3/4" to 1" female conn.
One-piece body

S
W



H – 1-1/4" to 8" female conn.
Removable vane/cast body

S
W



H – 1-1/2" to 2" female conn.
Removable vane/polypropylene*

FULLJET H OPTIONS

S
W



HH – 1/8" to 1" male conn.
One-piece body

S



D-HH – 1/2" to 3/4" male conn.
One-piece body/plastic**

S



HF – 4" to 10" flange conn.
Removable vane/cast body

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

S



HD – 3/4" to 3" female conn.
Wall-mount
One-piece body

N



H-15 – 3/4" to 3" female conn.
One-piece body
Removable vane

N



H-15 – 4" to 5" female conn.
Two-piece cast body
Removable vane

N



HH-30 – 1" to 2-1/2" male conn.
One-piece body
Removable vane

ORDERING INFORMATION

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



Example



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

FULLJET D-HH



Example



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.

S PERFORMANCE DATA: STANDARD ANGLE SPRAY

Inlet Conn. (in.)	Nozzle Type										Capacity Size	Orifice Dia. Nom. (mm)	Max. Free Passage Dia. (mm)	Flow Rate Capacity (liters per minute)										Spray Angle (°)		
	Standard					Wall-Mount			Angle					0.4 bar	0.5 bar	0.7 bar	1.5 bar	3 bar	6 bar	7 bar	10 bar	0.5 bar	1.5 bar	6 bar		
	G	GG	H	HH	HF	GD	HD	GGD	GA	GGA																
8			●		●						500	69.9	47.6	1736	1924	2246	3189	4386	6033	6477	7632	78	80	70		
			●		●						600	80.2	47.6	2083	2308	2695	3827	5264	7240	7772	9158	86	88	77		
			●		●						700	91.3	47.6	2430	2693	3144	4464	6141	8447	9068	10684	92	95	83		
			●		●						800	102	57.2	2778	3078	3593	5102	7018	9654	10363	12211	102	105	91		
			●		●						900	124	57.2	3125	3463	4042	5740	7895	10860	11658	13737	106	110	96		
10					●						800	85.1	63.5	2778	3078	3593	5102	7018	9654	10363	12211	78	80	70		
					●						1000	101	63.5	3472	3847	4492	6378	8773	12067	12954	15263	86	89	77		
					●						1200	122	66.7	4167	4617	5390	7653	10527	14480	15544	18316	97	100	87		
					●						1300	135	66.7	4514	5002	5839	8291	11404	15687	16840	19842	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

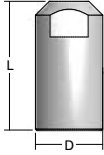
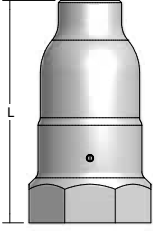
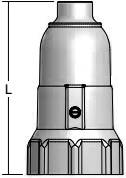
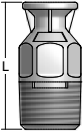
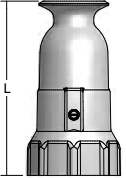
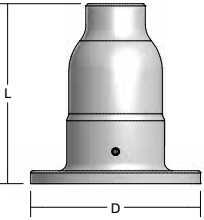
Inlet Conn. (in.)	Nozzle Type			Capacity Size	Max. Free Passage Dia. (mm)	Flow Rate Capacity (liters per minute)									
	D-HH					0.4 bar	0.5 bar	0.7 bar	1.5 bar	2 bar	3 bar	4 bar	6 bar	7 bar	10 bar
	Spray Angle														
	70°	90°	120°												
1/2	●	●		24	4.0	6.4	7.6	9.1	12.5	15.1	17.4	20.8	23.8	26.1	31.4
		●		26	4.0	7.2	8.3	9.8	13.6	16.3	18.9	22.3	25.7	28.4	34.1
	●	●		27.5	4.1	7.6	8.7	10.4	14.4	17.4	20.1	23.8	27.3	29.9	36.3
	●	●	●	31	2.9	8.7	9.8	11.7	16.3	19.3	22.3	26.9	30.7	33.7	40.9
		●	●	40	3.5	11	12.9	15.1	20.8	25	29.1	34.4	39.4	43.5	52.6
		●	●	50	4.1	13.6	15.9	18.9	26.1	31.4	36.3	43.2	49.2	54.5	65.9
		●	●	58	5.0	15.9	18.5	22	30.3	36.3	42	50	57.2	63.2	76.5
3/4		●		3.4	5.0	11	12.9	15.1	20.8	25.4	29.1	34.4	39.4	43.5	52.6
		●		4.1	5.0	13.2	15.5	18.2	25	30.7	34.8	41.6	47.7	52.2	63.2
		●		4.8	5.0	15.5	18.2	21.2	29.1	35.6	40.5	48.8	55.6	61.3	73.8
		●	●	6	5.6	19.7	22.7	26.9	37.1	44.3	51.5	60.9	69.7	77.6	93.5
		●	●	7	5.6	22.7	26.5	31.4	43.2	51.9	60.2	71.2	81.4	90.5	109.4
		●	●	8.5	5.7	27.6	32.2	37.9	52.2	62.8	72.7	86.3	98.4	109.0	131.7
			●	10	5.7	32.6	37.9	44.7	61.3	73.8	84.4	101.8	116.2	128.7	155.2

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

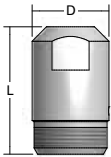
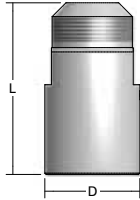
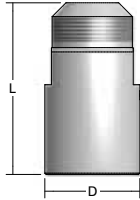
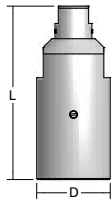
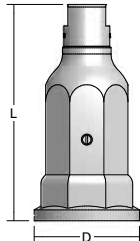
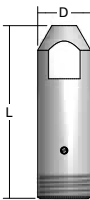
Highlighted column shows the rated pressure.



DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	D (Dia.) (mm)	Net Weight (kg)	
	H (F) H-W (F)	3/4	55.6	31.8	0.21	
		1	69.4	38.1	0.35	
	H (F) H-W (F) Cast	1-1/4	87.4	52.4 oct.	0.73	
		1-1/2	103.2	58.7 oct.	0.72	
		2	138.2	76.2 oct.	1.7	
		2-1/2	160.3	87.3 oct.	2.15	
		3	187.3	103.2 oct.	2.70	
		4	242.9	138.1 oct.	5.44	
		H (F) Cast	5	293.7	171.5 oct.	13.97
			6	365.1	203.2 oct.	22.23
	H (F) Polypropylene	1-1/2	104.1	59.5	0.06	
		2	131.8	76.2	0.11	
	D-HH (M) Polypropylene	1/2	43.2	19.1	0.01	
		3/4	53.1	25.4	0.03	
	H-W (F) Polypropylene	1-1/2	107.7	59.5	0.05	
		2	138.8	71.4	0.11	
	HF (Flange)	4	206.4	222.3	13.06	
		5	268.2	254.0	15.56	
		6	320.7	279.4	22.23	
		8	422.3	342.9	54.43	
		10	527.1	406.4	87.54	

Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	D (Dia.) (mm)	Net Weight (kg)
	HH (M) HH-W (M)	1/8	22.2	12.7	0.01
		1/4	22.4	13.5	0.01
		3/8	23.9	16.7	0.03
		1/2	29.4	20.6	0.04
		3/4	38.9	27.0	0.10
		1	51.6	33.3	0.20
	HH-W (M) (Wide angle only) Standard angle not available for these sizes	1-1/4	69.9	42.9	0.61
		1-1/2	82.6	50.8	0.81
	HD (F)	3/4	54.0	31.8	0.17
		1	68.3	38.1	0.29
		1-1/4	85.7	47.6	0.73
		1-1/2	103.2	57.2	1.34
		2	128.6	69.9	1.88
		2-1/2	158.8	82.6	3.56
		3	185.7	101.6	5.74
	H-15 (F)	3/4	72.2	31.8	0.31
		1	92.1	38.1	0.54
		1-1/4	117.5	47.6	1.04
		1-1/2	127.0	58.7	1.11
		2	183.4	76.2	1.24
		2-1/2	219.9	79.0	2.83
	H-15 (F) Cast	3	268.3	104.8	3.46
		4	338.1	138.1	6.70
		5	428.6	171.5	17.70
	HH-30 (M)	1	92.1	33.3	0.45
		1-1/4	154.7	44.5	1.16
		1-1/2	157.2	47.6	1.33
		2	199.6	60.3	5.32
		2-1/2	263.5	73.0	5.44
		3	263.5	88.9	14.45

Based on the largest/heaviest version of each type.