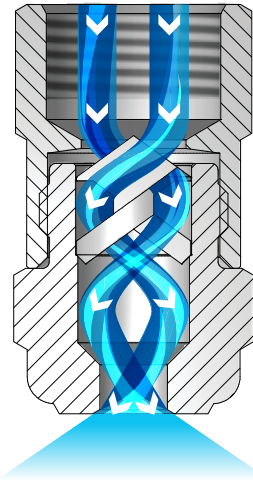


OVERVIEW: FULLJET G AND H

- 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

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 |
|---|--|---|--|

Drop size will vary based on flow rate and pressure.

N PERFORMANCE DATA:
NARROW ANGLE SPRAY

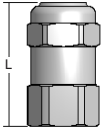
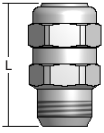
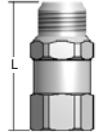
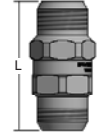


| Inlet Conn. (in.) | Nozzle Type | | | | | | Capacity Size | Orifice Dia. Nom. (mm) | Flow Rate Capacity (liters per minute) | | | | | | | | | | Spray Angle (°) | | | |
|-------------------|-------------|------|-------|-------|------|--------|---------------|------------------------|--|-------|---------|-------|-------|-------|--------|--------|--------|---------|-----------------|-------|-------|--|
| | G-15 | G-30 | GG-15 | GG-30 | H-15 | HH-30 | | | 0.7 bar | 1 bar | 1.5 bar | 3 bar | 6 bar | 7 bar | 10 bar | 15 bar | 20 bar | 0.7 bar | 1 bar | 3 bar | 7 bar | |
| 1/8 | ● | | ● | | | | 1507 | 1.6 | 1.3 | 1.6 | 2.0 | 2.8 | 3.9 | 4.2 | 5.0 | 6.2 | 7.1 | 13 | 14 | 15 | 15 | |
| | ● | | ● | | | | 1514 | 2.4 | 2.7 | 3.2 | 3.9 | 5.5 | 7.8 | 8.4 | 10.1 | 12.4 | 14.3 | 13 | 14 | 15 | 15 | |
| 1/4 | ● | | ● | | | | 1530 | 3.2 | 5.7 | 6.8 | 8.4 | 11.8 | 16.8 | 18.1 | 22 | 26 | 31 | 13 | 14 | 15 | 15 | |
| 3/8 | ● | | ● | | | | 1550 | 4.4 | 9.5 | 11.4 | 14.0 | 19.7 | 28 | 30 | 36 | 44 | 51 | 13 | 14 | 15 | 15 | |
| 1/2 | ● | | ● | | | | 1590 | 5.6 | 17.2 | 21 | 25 | 36 | 50 | 54 | 65 | 79 | 92 | 13 | 14 | 15 | 15 | |
| 3/4 | | | | | ● | | 15150 | 7.5 | 29 | 34 | 42 | 59 | 84 | 90 | 108 | 132 | 153 | 13 | 14 | 15 | 15 | |
| 1 | | | | | ● | | 15280 | 9.9 | 53 | 64 | 78 | 111 | 156 | 169 | 202 | 247 | 285 | 13 | 14 | 15 | 15 | |
| 1-1/4 | | | | | ● | | 15430 | 12.3 | 82 | 98 | 120 | 170 | 240 | 259 | 310 | 380 | 438 | 14 | 14 | 15 | 15 | |
| 1-1/2 | | | | | ● | | 15630 | 15.1 | 120 | 144 | 176 | 249 | 352 | 381 | 455 | 557 | 643 | 14 | 14 | 15 | 15 | |
| 2 | | | | | ● | | 151150 | 20.2 | 219 | 262 | 321 | 454 | 642 | 694 | 829 | 1015 | 1172 | 14 | 14 | 15 | 15 | |
| 2-1/2 | | | | | ● | | 151750 | 24.6 | 334 | 399 | 489 | 691 | 977 | 1055 | 1261 | 1545 | 1784 | 14 | 14 | 15 | 15 | |
| 3 | | | | | ● | | 152500 | 29.4 | 477 | 570 | 698 | 987 | 1396 | 1508 | 1802 | 2207 | 2548 | 14 | 14 | 15 | 15 | |
| 4 | | | | | ● | | 154500 | 39.7 | 858 | 1026 | 1256 | 1777 | 2513 | 2714 | 3244 | 3973 | 4587 | 14 | 14 | 15 | 15 | |
| 5 | | | | | ● | | 157000 | 48.8 | 1335 | 1596 | 1954 | 2764 | 3908 | 4222 | 5046 | 6180 | 7136 | 14 | 14 | 15 | 15 | |
| 1/8 | | ● | | ● | | | 3001.4 | .79 | .27 | .32 | .39 | .55 | .78 | .84 | 1.0 | 1.2 | 1.4 | 11 | 17 | 30 | 31 | |
| | | ● | | ● | | | 3002.5 | .79 | .48 | .57 | .70 | .99 | 1.4 | 1.5 | 1.8 | 2.2 | 2.5 | 12 | 17 | 30 | 32 | |
| | | ● | | ● | | | 3004 | 1.2 | .76 | .91 | 1.1 | 1.6 | 2.2 | 2.4 | 2.9 | 3.5 | 4.1 | 20 | 26 | 30 | 32 | |
| | | ● | | ● | | | 3007 | 1.6 | 1.3 | 1.6 | 2.0 | 2.8 | 3.9 | 4.2 | 5.0 | 6.2 | 7.1 | 20 | 23 | 30 | 30 | |
| 1/4 | | ● | | ● | | 3009 | 2.0 | 1.7 | 2.1 | 2.5 | 3.6 | 5.0 | 5.4 | 6.5 | 7.9 | 9.2 | 20 | 23 | 30 | 30 | | |
| 3/8 | | ● | | ● | | 3014 | 2.4 | 2.7 | 3.2 | 3.9 | 5.5 | 7.8 | 8.4 | 10.1 | 12.4 | 14.3 | 20 | 25 | 30 | 30 | | |
| 1/2 | | ● | | ● | | 3030 | 3.2 | 5.7 | 6.8 | 8.4 | 11.8 | 16.8 | 18.1 | 22 | 26 | 31 | 21 | 26 | 30 | 31 | | |
| 3/4 | | ● | | ● | | 3050 | 4.4 | 9.5 | 11.4 | 14.0 | 19.7 | 28 | 30 | 36 | 44 | 51 | 22 | 26 | 30 | 31 | | |
| 1 | | | | | | ● | 3070 | 5.2 | 13.3 | 16.0 | 19.5 | 28 | 39 | 42 | 50 | 62 | 71 | 22 | 27 | 30 | 30 | |
| | | | | | | ● | 30100 | 6.4 | 19.1 | 23 | 28 | 39 | 56 | 60 | 72 | 88 | 102 | 22 | 27 | 30 | 30 | |
| 1-1/4 | | | | | | ● | 30150 | 7.5 | 29 | 34 | 42 | 59 | 84 | 90 | 108 | 132 | 153 | 22 | 27 | 30 | 30 | |
| | | | | | | ● | 30200 | 8.7 | 38 | 46 | 56 | 79 | 112 | 121 | 144 | 177 | 204 | 22 | 27 | 30 | 30 | |
| 1-1/2 | | | | | | ● | 30250 | 9.5 | 48 | 57 | 70 | 99 | 140 | 151 | 180 | 221 | 255 | 22 | 27 | 30 | 30 | |
| | | | | | | ● | 30300 | 10.3 | 57 | 68 | 84 | 118 | 168 | 181 | 216 | 265 | 306 | 22 | 27 | 30 | 30 | |
| 2 | | | | | | ● | 30350 | 11.1 | 67 | 80 | 98 | 138 | 195 | 211 | 252 | 309 | 357 | 22 | 28 | 30 | 30 | |
| | | | | | | ● | 30400 | 11.9 | 76 | 91 | 112 | 158 | 223 | 241 | 288 | 353 | 408 | 22 | 28 | 30 | 30 | |
| | | | | | | ● | 30500 | 13.5 | 95 | 114 | 140 | 197 | 279 | 302 | 360 | 441 | 510 | 22 | 28 | 30 | 30 | |
| 2-1/2 | | | | | | ● | 30600 | 14.7 | 114 | 137 | 168 | 237 | 335 | 362 | 432 | 530 | 612 | 22 | 28 | 30 | 30 | |
| | | | | | | ● | 30700 | 15.9 | 133 | 160 | 195 | 276 | 391 | 422 | 505 | 618 | 714 | 22 | 28 | 30 | 30 | |
| | | | | | | ● | 301000 | 19.1 | 191 | 228 | 279 | 395 | 558 | 603 | 721 | 883 | 1019 | 22 | 28 | 30 | 30 | |
| | | | | | | ● | 301100 | 19.8 | 210 | 251 | 307 | 434 | 614 | 663 | 793 | 971 | 1121 | 22 | 28 | 30 | 30 | |
| | | | | | ● | 301200 | 20.6 | 229 | 274 | 335 | 474 | 670 | 724 | 865 | 1059 | 1223 | 22 | 28 | 30 | 30 | | |

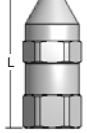
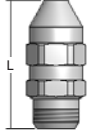
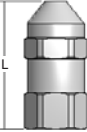
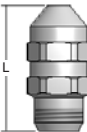
Highlighted column shows the rated pressure.



DIMENSIONS AND WEIGHTS

| Nozzle | Nozzle Type | Inlet Conn. (in.) | L (mm) | Hex. (in.) | Net Weight (kg) |
|---|----------------------------|-------------------|--------|------------|-----------------|
|  | G (F) G-W (F) | 1/8 | 55.6 | 9/16 | 0.03 |
| | | 1/4 | 37.3 | 11/16 | 0.04 |
| | | 3/8 | 46.0 | 13/16 | 0.07 |
| | | 1/2 | 57.2 | 1 | 0.17 |
|  | GG (M) GG-W (M) | 1/8 | 32.5 | 9/16 | 0.02 |
| | | 1/4 | 39.7 | 11/16 | 0.04 |
| | | 3/8 | 46.8 | 13/16 | 0.07 |
| | | 1/2 | 56.4 | 1 | 0.17 |
|  | GD (F) | 1/8 | 35.3 | 9/16 | 0.03 |
| | | 1/4 | 40.9 | 11/16 | 0.04 |
| | | 3/8 | 46.0 | 1 | 0.07 |
| | | 1/2 | 30.6 | 1 | 0.13 |
|  | GGD (M) | 1/8 | 36.9 | 9/16 | 0.03 |
| | | 1/4 | 43.3 | 11/16 | 0.04 |
| | | 3/8 | 46.8 | 13/16 | 0.07 |
| | | 1/2 | 55.2 | 1 | 0.13 |

Based on the largest/heaviest version of each type.

| Nozzle | Nozzle Type | Inlet Conn. (in.) | L (mm) | Hex. (in.) | Net Weight (kg) |
|---|------------------|-------------------|--------|------------|-----------------|
|  | G-15 (F) | 1/8 | 33.3 | 9/16 | 0.03 |
| | | 1/4 | 41.3 | 11/16 | 0.06 |
| | | 3/8 | 47.6 | 13/16 | 0.09 |
| | | 1/2 | 61.1 | 1 | 0.17 |
|  | GG-15 (M) | 1/8 | 34.9 | 9/16 | 0.03 |
| | | 1/4 | 43.7 | 11/16 | 0.04 |
| | | 3/8 | 48.4 | 13/16 | 0.09 |
| | | 1/2 | 61.1 | 1 | 0.17 |
|  | G-30 (F) | 1/8 | 35.3 | 11/16 | 0.06 |
| | | 1/4 | 42.9 | 13/16 | 0.09 |
| | | 3/8 | 54.0 | 1 | 0.17 |
| | | 1/2 | 59.5 | 1-1/4 | 0.32 |
| | | 3/4 | 84.1 | 1-1/2 | 0.43 |
|  | GG-30 (M) | 1/8 | 38.9 | 23/32 | 0.06 |
| | | 1/4 | 45.2 | 13/16 | 0.09 |
| | | 3/8 | 55.6 | 13/16 | 0.16 |
| | | 1/2 | 69.9 | 1-1/4 | 0.26 |
| | | 3/4 | 87.3 | 1-1/2 | 0.57 |

Based on the largest/heaviest version of each type.

| Nozzle | Nozzle Type | Inlet Conn. (in.) | L (mm) | A (mm) | B (mm) | C (mm) | Net Weight (kg) |
|---|------------------------------|-------------------|--------|--------|--------|--------|-----------------|
|  | GA (F) GA-W (F) | 1/8 | 23.1 | 16.0 | 14.3 | 21.4 | 0.04 |
| | | 1/4 | 28.7 | 20.1 | 19.8 | 28.6 | 0.06 |
| | | 3/8 | 32.5 | 22.2 | 30.2 | 40.5 | 0.09 |
| | | 1/2 | 39.7 | 27.0 | 38.9 | 51.6 | 0.18 |
|  | GGA (M) GGA-W (M) | 1/8 | 23.9 | 16.8 | 14.3 | 21.4 | 0.04 |
| | | 1/4 | 29.5 | 20.8 | 19.8 | 28.6 | 0.06 |
| | | 3/8 | 33.3 | 23.0 | 30.2 | 40.5 | 0.09 |
| | | 1/2 | 40.9 | 28.2 | 34.5 | 47.2 | 0.18 |

Based on the largest/heaviest version of each type.