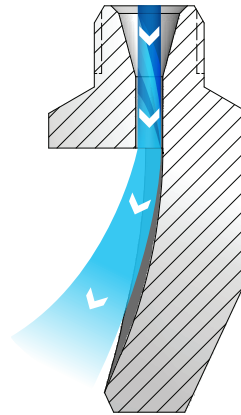


**OVERVIEW: FLATJET**

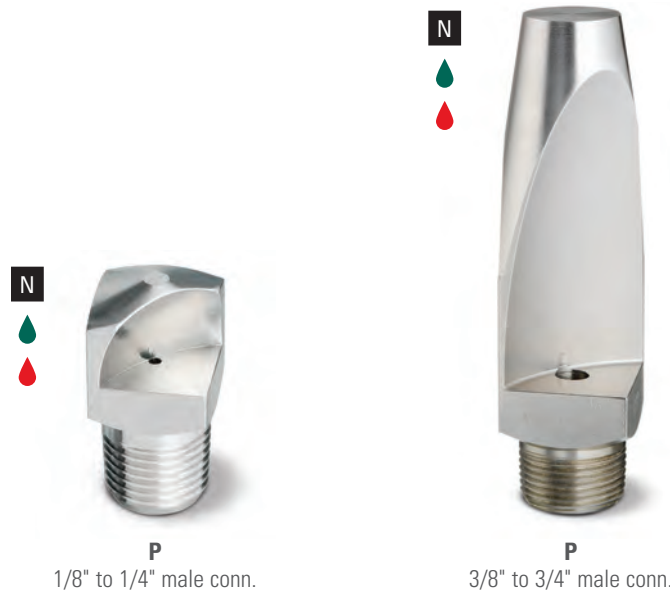
- Provides higher impact than other narrow angle nozzles
- Deflected type flat fan spray pattern
- Ideal for conveyor cleaning
- Spray angles from 15° to 50°
- Uniform spray distribution from .24 to 39 gpm (.91 to 144 lpm)
- Operating pressures up to 150 psi (10 bar)



**FlatJet Nozzles**

As liquid passes through the nozzle, it hits the deflector surface and spreads out to form a flat spray pattern. The distribution is even from the center of the spray. The combination of medium- to large-flow rates and narrow spray angles produce a high impact spray.

**FLATJET OPTIONS**



**ORDERING INFORMATION**

**FLATJET P**

|             |             |   |               |             |               |
|-------------|-------------|---|---------------|-------------|---------------|
| Inlet Conn. | Nozzle Type | — | Material Code | Spray Angle | Capacity Size |
| 3/8         | P           | — | SS            | 50          | 60            |

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.



**QUICK REFERENCE GUIDE**

| Model | Connection | Connection Size (in.) | Materials  | Page Number      |                        |
|-------|------------|-----------------------|--|------------------|------------------------|
|       |            |                       |  | Performance Data | Dimensions and Weights |
| P     | M          | 1/8 to 3/4            | Brass, Mild steel (I),<br>303 stainless steel (SS),<br>316 stainless steel (316SS) | C48-C49          | C48-C49                |

M = male thread. There is no material code for brass. Leave material code blank when ordering. Other materials available upon request.  
For more dimensions and sizes, contact your sales engineer.

**N** PERFORMANCE DATA:  
**NARROW ANGLE SPRAY**

| Spray Angle (°) at 3 bar | Nozzle Type | Inlet Conn. (in.) |     |     |     |     | Capacity Size | Equiv. Orifice Dia. (mm) | Flow Rate Capacity (liters per minute) |       |         |       |       |       |        | Spray Angle (°) |       |       | Dimensions    |                        |                     |                 |
|--------------------------|-------------|-------------------|-----|-----|-----|-----|---------------|--------------------------|--|-------|---------|-------|-------|-------|--------|-----------------|-------|-------|---------------|------------------------|---------------------|-----------------|
|                          |             | P                 | 1/8 | 1/4 | 3/8 | 1/2 |               |                          | 3/4                                    | 1 bar | 1.5 bar | 3 bar | 6 bar | 7 bar | 10 bar | 1 bar           | 3 bar | 7 bar | A Length (mm) | B Deflection Angle (°) | C Bar Size (mm sq.) | Net Weight (kg) |
| 50                       | ●           |                   | ●   |     |     |     | 05            | 1.3                      | 1.1                                    | 1.4   | 2.0     | 2.8   | 3.0   | 3.6   | 33     | 50              | 60    | 31    | 60            | 15.9                   | .03                 |                 |
|                          | ●           |                   | ●   |     |     |     | 10            | 1.9                      | 2.3                                    | 2.8   | 3.9     | 5.6   | 6.0   | 7.2   | 34     | 50              | 60    | 31    | 60            | 15.9                   | .03                 |                 |
|                          | ●           |                   | ●   | ●   |     |     | 25            | 3.0                      | 5.7                                    | 7.0   | 9.9     | 14.0  | 15.1  | 18.0  | 42     | 50              | 59    | 41.5  | 42            | 19.1                   | .09                 |                 |
|                          | ●           |                   | ●   | ●   |     |     | 40            | 3.8                      | 9.1                                    | 11.2  | 15.8    | 22    | 24    | 29    | 39     | 50              | 60    | 47    | 45            | 19.1                   | .09                 |                 |
|                          | ●           |                   |     | ●   |     |     | 60            | 4.6                      | 13.7                                   | 16.8  | 24      | 34    | 36    | 43    | 42     | 50              | 53    | 55    | 37            | 25.4                   | .14                 |                 |
|                          | ●           |                   |     | ●   |     |     | 100           | 5.9                      | 23                                     | 28    | 39      | 56    | 60    | 72    | 43     | 50              | 55    | 72    | 40            | 31.8                   | .33                 |                 |
|                          | ●           |                   |     | ●   |     |     | 125           | 6.6                      | 28                                     | 35    | 49      | 70    | 75    | 90    | 38     | 50              | 59    | 72    | 38            | 31.8                   | .31                 |                 |
|                          | ●           |                   |     | ●   |     |     | 160           | 7.5                      | 36                                     | 45    | 63      | 89    | 96    | 115   | 44     | 50              | 55    | 72    | 37            | 31.8                   | .31                 |                 |
|                          | ●           |                   |     | ●   |     |     | 200           | 8.4                      | 46                                     | 56    | 79      | 112   | 121   | 144   | 46     | 50              | 53    | 72    | 32            | 31.8                   | .31                 |                 |
| 40                       | ●           |                   |     | ●   |     |     | 40            | 3.8                      | 9.1                                    | 11.2  | 15.8    | 22    | 24    | 29    | 31     | 40              | 50    | 60.5  | 35            | 22.2                   | .14                 |                 |
|                          | ●           |                   |     | ●   |     |     | 50            | 4.2                      | 11.4                                   | 14.0  | 19.7    | 28    | 30    | 36    | 31     | 40              | 49    | 63.5  | 33            | 25.4                   | .20                 |                 |
|                          | ●           |                   |     | ●   |     |     | 60            | 4.6                      | 13.7                                   | 16.8  | 24      | 34    | 36    | 43    | 32     | 40              | 49    | 72    | 33            | 25.4                   | .23                 |                 |
|                          | ●           |                   |     | ●   |     |     | 70            | 5.0                      | 16.0                                   | 19.5  | 28      | 39    | 42    | 50    | 32     | 40              | 49    | 75.5  | 29            | 25.4                   | .26                 |                 |
|                          | ●           |                   |     | ●   |     |     | 80            | 5.3                      | 18.2                                   | 22    | 32      | 45    | 48    | 58    | 32     | 40              | 48    | 77    | 26            | 25.4                   | .26                 |                 |
|                          | ●           |                   |     | ●   |     |     | 90            | 5.6                      | 21                                     | 25    | 36      | 50    | 54    | 65    | 34     | 40              | 44    | 77    | 28            | 25.4                   | .23                 |                 |
|                          | ●           |                   |     | ●   |     |     | 100           | 5.9                      | 23                                     | 28    | 39      | 56    | 60    | 72    | 35     | 40              | 44    | 86.5  | 28            | 25.4                   | .26                 |                 |

Highlighted column shows the rated pressure.



**N** PERFORMANCE DATA:  
**NARROW ANGLE SPRAY**

| Spray Angle (°) at 3 bar | Nozzle Type | Inlet Conn. (in.) |     |     |     |     | Capacity Size | Equiv. Orifice Dia. (mm) | Flow Rate Capacity (liters per minute) |       |         |       |       |       | Spray Angle (°) |       |       | Dimensions |               |                        |                     |
|--------------------------|-------------|-------------------|-----|-----|-----|-----|---------------|--------------------------|--|-------|---------|-------|-------|-------|-----------------|-------|-------|------------|---------------|------------------------|---------------------|
|                          |             | P                 | 1/8 | 1/4 | 3/8 | 1/2 |               |                          | 3/4                                    | 1 bar | 1.5 bar | 3 bar | 6 bar | 7 bar | 10 bar          | 1 bar | 3 bar | 7 bar      | A Length (mm) | B Deflection Angle (°) | C Bar Size (mm sq.) |
| 35                       | ●           | ●                 |     |     |     |     | 04            | 1.2                      | .91                                    | 1.1   | 1.6     | 2.2   | 2.4   | 2.9   | 20              | 35    | 41    | 23         | 40            | 11.1                   | .01                 |
|                          | ●           |                   | ●   |     |     |     | 10            | 1.9                      | 2.3                                    | 2.8   | 3.9     | 5.6   | 6.0   | 7.2   | 18              | 35    | 39    | 36.5       | 36            | 15.9                   | .06                 |
|                          | ●           |                   | ●   | ●   |     |     | 20            | 2.7                      | 4.6                                    | 5.6   | 7.9     | 11.2  | 12.1  | 14.4  | 24              | 35    | 40    | 42         | 30            | 19.1                   | .06                 |
|                          | ●           |                   |     | ●   |     |     | 25            | 3.0                      | 5.7                                    | 7.0   | 9.9     | 14.0  | 15.1  | 18.0  | 24              | 35    | 39    | 49         | 28            | 19.1                   | .09                 |
|                          | ●           |                   |     | ●   |     |     | 30            | 3.3                      | 6.8                                    | 8.4   | 11.8    | 16.8  | 18.1  | 22    | 26              | 35    | 41    | 52.5       | 28            | 19.1                   | .09                 |
|                          | ●           |                   |     | ●   |     |     | 40            | 3.8                      | 9.1                                    | 11.2  | 15.8    | 22    | 24    | 29    | 28              | 35    | 38    | 58         | 26            | 22.2                   | .11                 |
|                          | ●           |                   |     | ●   |     |     | 50            | 4.2                      | 11.4                                   | 14.0  | 19.7    | 28    | 30    | 36    | 31              | 35    | 38    | 63.5       | 23            | 22.2                   | .14                 |
|                          | ●           |                   |     |     | ●   |     | 60            | 4.6                      | 13.7                                   | 16.8  | 24      | 34    | 36    | 43    | 29              | 35    | 39    | 73         | 27            | 25.4                   | .23                 |
|                          | ●           |                   |     |     | ●   |     | 80            | 5.3                      | 18.2                                   | 22    | 32      | 45    | 48    | 58    | 26              | 35    | 40    | 81         | 24            | 25.4                   | .26                 |
|                          | ●           |                   |     |     | ●   |     | 100           | 5.9                      | 23                                     | 28    | 39      | 56    | 60    | 72    | 26              | 35    | 40    | 89         | 19            | 25.4                   | .26                 |
|                          | ●           |                   |     |     |     | ●   | 160           | 7.5                      | 36                                     | 45    | 63      | 89    | 96    | 115   | 26              | 35    | 40    | 114        | 23            | 31.8                   | .57                 |
|                          | ●           |                   |     |     |     | ●   | 200           | 8.4                      | 46                                     | 56    | 79      | 112   | 121   | 144   | 25              | 35    | 40    | 122        | 22            | 31.8                   | .57                 |
| 25                       | ●           |                   | ●   |     |     |     | 40            | 3.8                      | 9.1                                    | 11.2  | 15.8    | 22    | 24    | 29    | 15              | 25    | 34    | 65         | 25            | 19.1                   | .11                 |
| 15                       | ●           |                   | ●   |     |     |     | 10            | 1.9                      | -                                      | 2.8   | 3.9     | 5.6   | 6.0   | 7.2   | -               | 15    | 23    | 47.5       | 22            | 15.9                   | .06                 |
|                          | ●           |                   | ●   |     |     |     | 20            | 2.7                      | -                                      | 5.6   | 7.9     | 11.2  | 12.1  | 14.4  | -               | 15    | 19    | 54         | 19            | 15.9                   | .06                 |
|                          | ●           |                   |     | ●   |     |     | 30            | 3.3                      | 6.8                                    | 8.4   | 11.8    | 16.8  | 18.1  | 22    | 6               | 15    | 24    | 72         | 25            | 19.1                   | .11                 |
|                          | ●           |                   |     | ●   |     |     | 40            | 3.8                      | 9.1                                    | 11.2  | 15.8    | 22    | 24    | 29    | 8               | 15    | 21    | 92         | 18            | 22.2                   | .23                 |
|                          | ●           |                   |     | ●   |     |     | 50            | 4.2                      | 11.4                                   | 14.0  | 19.7    | 28    | 30    | 36    | 9               | 15    | 20    | 90.5       | 15            | 22.2                   | .17                 |
|                          | ●           |                   |     |     | ●   |     | 60            | 4.6                      | 13.7                                   | 16.8  | 24      | 34    | 36    | 43    | 10              | 15    | 19    | 125        | 14            | 25.4                   | .34                 |
|                          | ●           |                   |     |     | ●   |     | 80            | 5.3                      | 18.2                                   | 22    | 32      | 45    | 48    | 58    | 11              | 15    | 18    | 130        | 14            | 25.4                   | .34                 |
|                          | ●           |                   |     |     | ●   |     | 100           | 5.9                      | 23                                     | 28    | 39      | 56    | 60    | 72    | 11              | 15    | 18    | 131        | 14            | 25.4                   | .40                 |
|                          | ●           |                   |     |     |     | ●   | 200           | 8.4                      | 46                                     | 56    | 79      | 112   | 121   | 144   | 12              | 15    | 18    | 165        | 14            | 31.8                   | .73                 |

Highlighted column shows the rated pressure.

