

|                                                                                   |                                                                                   |                                                                                                     |                                                                                                                  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  |  |  spray tip<br>body |  spray tip<br>retainer<br>body |
| BB                                                                                | HH                                                                                | GG                                                                                                  | SJV-B                                                                                                            |
| 1/8" to 2"                                                                        | 1/8" to 2"                                                                        | 1/8" to 3/4"                                                                                        | 1/8" to 3/4"                                                                                                     |

| Thread Size | 1/8" | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" |
|-------------|------|------|------|------|------|----|--------|--------|----|
|-------------|------|------|------|------|------|----|--------|--------|----|

## Performance Data

| Thread Size | Flow Code | Orifice Dia. (mm) | Max free Passage Orifice Dia(mm) | Flow rate ( L/min)                            |         |         |       |       |       |       |       |       |        |         |  |  |
|-------------|-----------|-------------------|----------------------------------|-----------------------------------------------|---------|---------|-------|-------|-------|-------|-------|-------|--------|---------|--|--|
|             |           |                   |                                  | 1 ( us gal) = 3.785 L ; 1 ( uk gal) = 4.546 L |         |         |       |       |       |       |       |       |        |         |  |  |
|             |           |                   |                                  | 0.5 bar                                       | 0.7 bar | 1.5 bar | 2 bar | 3 bar | 4 bar | 5 bar | 6 bar | 7 bar | 10 bar | 1.5 bar |  |  |
| 1/8"        | 1         | 0.79              | 0.64                             |                                               | 0.38    | 0.54    | 0.62  | 0.74  | 0.85  | 0.94  | 1     | 1.1   | 1.3    | 58°     |  |  |
|             | 1.5       | 1.2               | 0.64                             | 0.49                                          | 0.57    | 0.81    | 0.93  | 1.1   | 1.3   | 1.4   | 1.5   | 1.7   | 1.9    | 65°     |  |  |
|             | 2         | 1.2               | 1                                | 0.65                                          | 0.76    | 1.1     | 1.2   | 1.5   | 1.7   | 1.9   | 2     | 2.2   | 2.6    | 60°     |  |  |
|             | 3         | 1.5               | 1                                | 0.98                                          | 1.1     | 1.6     | 1.9   | 2.2   | 2.5   | 2.8   | 3.1   | 3.1   | 3.9    | 65°     |  |  |
|             | 3.5       | 1.6               | 1.3                              | 1.1                                           | 1.3     | 1.9     | 2.2   | 2.6   | 3     | 3.3   | 3.6   | 3.9   | 4.5    | 50°     |  |  |
|             | 3.9       | 2                 | 1                                | 1.3                                           | 1.5     | 2.1     | 2.4   | 2.9   | 3.3   | 3.7   | 4     | 4.3   | 5.1    | 84°     |  |  |
|             | 5         | 2                 | 1.3                              | 1.6                                           | 1.9     | 2.7     | 3.1   | 3.7   | 4.2   | 4.7   | 5.1   | 5.5   | 6.5    | 65°     |  |  |
| 1/4"        | 6.1       | 2.3               | 1.3                              | 2                                             | 2.3     | 3.3     | 3.8   | 4.5   | 5.2   | 5.7   | 6.2   | 6.7   | 7.9    | 74°     |  |  |
|             | 6.5       | 2.38              | 1.6                              | 2.1                                           | 2.5     | 3.5     | 4     | 4.8   | 5.5   | 6.1   | 6.7   | 7.1   | 8.4    | 50°     |  |  |
|             | 10        | 3.18              | 1.6                              | 3.3                                           | 3.8     | 5.4     | 6.2   | 7.4   | 8.5   | 9.4   | 10.2  | 11    | 13     | 67°     |  |  |
|             | 12.5      | 3.2               | 1.6                              | 4.1                                           | 4.8     | 6.8     | 7.7   | 9.3   | 10.6  | 11.8  | 12.8  | 13.7  | 16.2   | 74°     |  |  |
|             | 9.5       | 2.6               | 2.4                              | 3.1                                           | 3.6     | 5.1     | 5.9   | 7.1   | 8.1   | 8.9   | 9.7   | 10.4  | 12.3   | 50°     |  |  |
|             | 15        | 3.6               | 2.4                              | 4.9                                           | 5.7     | 8.1     | 9.3   | 11.2  | 12.7  | 14.1  | 15.4  | 16.5  | 19.4   | 67°     |  |  |
|             | 20        | 4                 | 2.8                              | 6.5                                           | 7.6     | 10.8    | 12.4  | 14.9  | 17    | 18.8  | 20    | 22    | 26     | 80°     |  |  |
| 3/8"        | 22        | 4.5               | 2.8                              | 7.2                                           | 8.4     | 11.9    | 13.6  | 16.4  | 18.7  | 21    | 23    | 24    | 28     | 90°     |  |  |
|             | 16        | 3.5               | 3.2                              | 5.2                                           | 6.1     | 8.7     | 9.9   | 11.9  | 13.6  | 15.1  | 16.4  | 17.6  | 21     | 50°     |  |  |
|             | 25        | 4.6               | 3.2                              | 8.2                                           | 9.5     | 13.5    | 15.4  | 18.6  | 21    | 24    | 26    | 27    | 32     | 67°     |  |  |
|             | 32        | 5.2               | 3.6                              | 10.4                                          | 12.2    | 17.3    | 19.8  | 24    | 27    | 30    | 33    | 35    | 41     | 75°     |  |  |
| 1/2"        | 40        | 6.2               | 3.6                              | 13.1                                          | 15.2    | 22      | 25    | 30    | 34    | 38    | 41    | 44    | 52     | 91°     |  |  |
|             | 50        | 6.7               | 4                                | 16.3                                          | 19.1    | 27      | 31    | 37    | 42    | 47    | 51    | 55    | 65     | 94°     |  |  |
|             | 2.5       | 4.9               | 4.4                              | 9.6                                           | 11.2    | 15.9    | 18.2  | 22    | 25    | 28    | 30    | 32    | 38     | 50°     |  |  |
| 3/4"        | 4         | 6.4               | 4.4                              | 15.4                                          | 18      | 26      | 29    | 35    | 40    | 44    | 48    | 52    | 61     | 70°     |  |  |
|             | 7         | 9.5               | 5.2                              | 27                                            | 31      | 45      | 51    | 61    | 70    | 78    | 84    | 91    | 107    | 92°     |  |  |
|             | 4.2       | 6                 | 5.6                              | 16.2                                          | 18.9    | 27      | 31    | 37    | 42    | 47    | 51    | 54    | 64     | 50°     |  |  |
| 1"          | 7         | 8.3               | 5.6                              | 27                                            | 31      | 45      | 51    | 61    | 70    | 78    | 84    | 91    | 107    | 68°     |  |  |
|             | 8         | 9.5               | 5.6                              | 31                                            | 36      | 51      | 58    | 70    | 80    | 89    | 91    | 104   | 122    | 81°     |  |  |
|             | 10        | 11.9              | 5.6                              | 38                                            | 45      | 64      | 73    | 88    | 100   | 111   | 121   | 130   | 153    | 90°     |  |  |
|             | 12        | 11.9              | 6.4                              | 46                                            | 54      | 77      | 87    | 105   | 120   | 133   | 145   | 155   | 183    | 92°     |  |  |
| 1 1/4"      | 6         | 7.4               | 6.4                              | 23                                            | 27      | 38      | 44    | 53    | 60    | 67    | 72    | 78    | 92     | 50°     |  |  |
|             | 10        | 9.6               | 6.4                              | 38                                            | 45      | 64      | 73    | 88    | 100   | 111   | 121   | 130   | 153    | 67°     |  |  |
|             | 12        | 10.7              | 6.4                              | 46                                            | 54      | 77      | 87    | 105   | 120   | 133   | 145   | 155   | 183    | 70°     |  |  |
|             | 14        | 12.3              | 6.4                              | 54                                            | 63      | 89      | 102   | 123   | 140   | 155   | 169   | 181   | 215    | 80°     |  |  |
| 1 1/2"      | 20        | 15.1              | 7.9                              | 77                                            | 90      | 128     | 146   | 175   | 200   | 220   | 240   | 260   | 305    | 93°     |  |  |
|             | 10        | 9.5               | 8.7                              | 38                                            | 45      | 64      | 73    | 88    | 100   | 111   | 121   | 130   | 153    | 50°     |  |  |
|             | 16        | 12.7              | 8.7                              | 62                                            | 72      | 102     | 116   | 140   | 160   | 178   | 193   | 210   | 245    | 74°     |  |  |
|             | 20        | 14.3              | 8.7                              | 77                                            | 90      | 128     | 146   | 175   | 200   | 220   | 240   | 260   | 305    | 76°     |  |  |
| 2"          | 30        | 18.3              | 10.3                             | 115                                           | 135     | 191     | 220   | 265   | 300   | 330   | 360   | 390   | 460    | 94°     |  |  |
|             | 17        | 12.7              | 11.1                             | 65                                            | 76      | 108     | 124   | 149   | 170   | 189   | 205   | 220   | 260    | 50°     |  |  |
|             | 30        | 17.3              | 11.1                             | 115                                           | 135     | 191     | 220   | 265   | 300   | 330   | 360   | 390   | 460    | 74°     |  |  |
|             | 35        | 19.2              | 11.1                             | 135                                           | 157     | 225     | 255   | 310   | 355   | 390   | 425   | 455   | 540    | 77°     |  |  |
|             | 40        | 21                | 11.1                             | 154                                           | 180     | 255     | 295   | 350   | 400   | 445   | 485   | 520   | 610    | 80°     |  |  |
|             | 50        | 23.8              | 14.3                             | 192                                           | 225     | 320     | 365   | 440   | 500   | 560   | 610   | 650   | 770    | 85°     |  |  |
|             | 60        | 28.6              | 14.3                             | 230                                           | 270     | 385     | 440   | 530   | 600   | 670   | 730   | 780   | 920    | 100°    |  |  |

## Ordering Information :

| Thread size | Style No. | Material | Flow Code |
|-------------|-----------|----------|-----------|
|-------------|-----------|----------|-----------|

## Example

|             |           |          |           |
|-------------|-----------|----------|-----------|
| 1/4"        | BB        | SS       | 6.5       |
| Thread size | Style No. | Material | Flow code |

