

| Spray Angle Code | Spray Capacity Code | Pipe Conn. Size | Spray Angle (°) |       |       | Spray Capacity (ℓ/min) |       |         |       |         |       |         |       |         |       | Free Pass. Dia. (mm) |        |        |      |     |
|------------------|---------------------|-----------------|-----------------|-------|-------|------------------------|-------|---------|-------|---------|-------|---------|-------|---------|-------|----------------------|--------|--------|------|-----|
|                  |                     |                 | 1 MPa           | 3 MPa | 5 MPa | 1 MPa                  | 2 MPa | 2.5 MPa | 3 MPa | 3.5 MPa | 4 MPa | 4.5 MPa | 5 MPa | 6.5 MPa | 8 MPa |                      | 10 MPa | 15 MPa |      |     |
| 65               | 1/8M                | 43              | 60              | 65    | 65    | 2.50                   | 3.54  | 3.96    | 4.33  | 4.68    | 5.00  | 5.30    | 5.59  | 6.37    | 7.06  | 7.91                 | 9.67   | 0.7    |      |     |
|                  |                     | 49              | 60              | 65    | 65    | 2.86                   | 4.04  | 4.52    | 4.94  | 5.34    | 5.71  | 6.06    | 6.38  | 7.28    | 8.07  | 9.04                 | 11.1   | 0.8    |      |     |
|                  |                     | 56              | 60              | 65    | 65    | 3.22                   | 4.54  | 5.08    | 5.56  | 6.01    | 6.42  | 6.81    | 7.18  | 8.19    | 9.08  | 10.2                 | 12.4   | 0.9    |      |     |
|                  |                     | 62              | 60              | 65    | 65    | 3.57                   | 5.05  | 5.65    | 6.18  | 6.68    | 7.14  | 7.57    | 7.98  | 9.10    | 10.1  | 11.3                 | 13.8   | 0.9    |      |     |
|                  |                     | 68              | 60              | 65    | 65    | 3.93                   | 5.55  | 6.21    | 6.80  | 7.35    | 7.85  | 8.33    | 8.79  | 10.0    | 11.1  | 12.4                 | 15.2   | 1.0    |      |     |
|                  |                     | 74              | 60              | 65    | 65    | 4.29                   | 6.06  | 6.78    | 7.42  | 8.01    | 8.56  | 9.09    | 9.58  | 10.9    | 12.1  | 13.6                 | 16.6   | 1.0    |      |     |
|                  |                     | 80              | 60              | 65    | 65    | 4.65                   | 6.56  | 7.35    | 8.04  | 8.68    | 9.28  | 9.85    | 10.4  | 11.8    | 13.1  | 14.7                 | 18.0   | 1.0    |      |     |
|                  |                     | 87              | 60              | 65    | 65    | 5.00                   | 7.07  | 7.91    | 8.66  | 9.35    | 10.0  | 10.6    | 11.2  | 12.8    | 14.1  | 15.8                 | 19.4   | 1.1    |      |     |
|                  |                     | 99              | 60              | 65    | 65    | 5.72                   | 8.08  | 9.04    | 9.89  | 10.7    | 11.4  | 12.1    | 12.8  | 14.6    | 16.2  | 18.1                 | 22.1   | 1.1    |      |     |
|                  |                     | 124             | 60              | 65    | 65    | 7.15                   | 10.1  | 11.3    | 12.4  | 13.4    | 14.3  | 15.2    | 16.0  | 18.2    | 20.2  | 22.6                 | 27.7   | 1.3    |      |     |
|                  |                     | 40              | 1/8M            | 25    | 35    | 40                     | 40    | 1.43    | 2.02  | 2.25    | 2.47  | 2.67    | 2.85  | 3.03    | 3.19  | 3.64                 | 4.03   | 4.51   | 5.52 | 0.6 |
|                  |                     |                 |                 | 31    | 35    | 40                     | 40    | 1.78    | 2.52  | 2.82    | 3.09  | 3.34    | 3.57  | 3.78    | 3.99  | 4.55                 | 5.05   | 5.64   | 6.91 | 0.7 |
| 37               | 35                  |                 |                 | 40    | 40    | 2.14                   | 3.03  | 3.39    | 3.71  | 4.01    | 4.28  | 4.54    | 4.79  | 5.46    | 6.06  | 6.77                 | 8.30   | 0.7    |      |     |
| 43               | 35                  |                 |                 | 40    | 40    | 2.50                   | 3.54  | 3.96    | 4.33  | 4.68    | 5.00  | 5.30    | 5.59  | 6.37    | 7.06  | 7.91                 | 9.67   | 0.8    |      |     |
| 49               | 35                  |                 |                 | 40    | 40    | 2.86                   | 4.04  | 4.52    | 4.94  | 5.34    | 5.71  | 6.06    | 6.38  | 7.28    | 8.07  | 9.04                 | 11.1   | 1.0    |      |     |
| 56               | 35                  |                 |                 | 40    | 40    | 3.22                   | 4.54  | 5.08    | 5.56  | 6.01    | 6.42  | 6.81    | 7.18  | 8.19    | 9.08  | 10.2                 | 12.4   | 1.0    |      |     |
| 62               | 35                  |                 |                 | 40    | 40    | 3.57                   | 5.05  | 5.65    | 6.18  | 6.68    | 7.14  | 7.57    | 7.98  | 9.10    | 10.1  | 11.3                 | 13.8   | 1.1    |      |     |
| 68               | 35                  |                 |                 | 40    | 40    | 3.93                   | 5.55  | 6.21    | 6.80  | 7.35    | 7.85  | 8.33    | 8.79  | 10.0    | 11.1  | 12.4                 | 15.2   | 1.1    |      |     |
| 74               | 35                  |                 |                 | 40    | 40    | 4.29                   | 6.06  | 6.78    | 7.42  | 8.01    | 8.56  | 9.09    | 9.58  | 10.9    | 12.1  | 13.6                 | 16.6   | 1.1    |      |     |
| 80               | 35                  |                 |                 | 40    | 40    | 4.65                   | 6.56  | 7.35    | 8.04  | 8.68    | 9.28  | 9.85    | 10.4  | 11.8    | 13.1  | 14.7                 | 18.0   | 1.2    |      |     |
| 87               | 35                  |                 |                 | 40    | 40    | 5.00                   | 7.07  | 7.91    | 8.66  | 9.35    | 10.0  | 10.6    | 11.2  | 12.8    | 14.1  | 15.8                 | 19.4   | 1.2    |      |     |
| 99               | 35                  |                 |                 | 40    | 40    | 5.72                   | 8.08  | 9.04    | 9.89  | 10.7    | 11.4  | 12.1    | 12.8  | 14.6    | 16.2  | 18.1                 | 22.1   | 1.4    |      |     |
| 124              | 35                  | 40              | 40              | 7.15  | 10.1  | 11.3                   | 12.4  | 13.4    | 14.3  | 15.2    | 16.0  | 18.2    | 20.2  | 22.6    | 27.7  | 1.5                  |        |        |      |     |
| 30               | 1/8M                | 25              | 26              | 30    | 30    | 1.43                   | 2.02  | 2.25    | 2.47  | 2.67    | 2.85  | 3.03    | 3.19  | 3.64    | 4.03  | 4.51                 | 5.52   | 0.6    |      |     |
|                  |                     | 31              | 26              | 30    | 30    | 1.78                   | 2.52  | 2.82    | 3.09  | 3.34    | 3.57  | 3.78    | 3.99  | 4.55    | 5.05  | 5.64                 | 6.91   | 0.7    |      |     |
|                  |                     | 37              | 26              | 30    | 30    | 2.14                   | 3.03  | 3.39    | 3.71  | 4.01    | 4.28  | 4.54    | 4.79  | 5.46    | 6.06  | 6.77                 | 8.30   | 0.8    |      |     |
|                  |                     | 43              | 26              | 30    | 30    | 2.50                   | 3.54  | 3.96    | 4.33  | 4.68    | 5.00  | 5.30    | 5.59  | 6.37    | 7.06  | 7.91                 | 9.67   | 0.9    |      |     |
|                  |                     | 49              | 26              | 30    | 30    | 2.86                   | 4.04  | 4.52    | 4.94  | 5.34    | 5.71  | 6.06    | 6.38  | 7.28    | 8.07  | 9.04                 | 11.1   | 1.0    |      |     |
|                  |                     | 56              | 26              | 30    | 30    | 3.22                   | 4.54  | 5.08    | 5.56  | 6.01    | 6.42  | 6.81    | 7.18  | 8.19    | 9.08  | 10.2                 | 12.4   | 1.1    |      |     |
|                  |                     | 62              | 26              | 30    | 30    | 3.57                   | 5.05  | 5.65    | 6.18  | 6.68    | 7.14  | 7.57    | 7.98  | 9.10    | 10.1  | 11.3                 | 13.8   | 1.1    |      |     |
|                  |                     | 68              | 26              | 30    | 30    | 3.93                   | 5.55  | 6.21    | 6.80  | 7.35    | 7.85  | 8.33    | 8.79  | 10.0    | 11.1  | 12.4                 | 15.2   | 1.1    |      |     |
|                  |                     | 74              | 26              | 30    | 30    | 4.29                   | 6.06  | 6.78    | 7.42  | 8.01    | 8.56  | 9.09    | 9.58  | 10.9    | 12.1  | 13.6                 | 16.6   | 1.2    |      |     |
|                  |                     | 80              | 26              | 30    | 30    | 4.65                   | 6.56  | 7.35    | 8.04  | 8.68    | 9.28  | 9.85    | 10.4  | 11.8    | 13.1  | 14.7                 | 18.0   | 1.3    |      |     |
|                  |                     | 87              | 26              | 30    | 30    | 5.00                   | 7.07  | 7.91    | 8.66  | 9.35    | 10.0  | 10.6    | 11.2  | 12.8    | 14.1  | 15.8                 | 19.4   | 1.3    |      |     |
|                  |                     | 99              | 26              | 30    | 30    | 5.72                   | 8.08  | 9.04    | 9.89  | 10.7    | 11.4  | 12.1    | 12.8  | 14.6    | 16.2  | 18.1                 | 22.1   | 1.5    |      |     |
| 124              | 26                  | 30              | 30              | 7.15  | 10.1  | 11.3                   | 12.4  | 13.4    | 14.3  | 15.2    | 16.0  | 18.2    | 20.2  | 22.6    | 27.7  | 1.7                  |        |        |      |     |
| 25               | 1/8M                | 25              | 22              | 25    | 25    | 1.43                   | 2.02  | 2.25    | 2.47  | 2.67    | 2.85  | 3.03    | 3.19  | 3.64    | 4.03  | 4.51                 | 5.52   | 0.7    |      |     |
|                  |                     | 31              | 22              | 25    | 25    | 1.78                   | 2.52  | 2.82    | 3.09  | 3.34    | 3.57  | 3.78    | 3.99  | 4.55    | 5.05  | 5.64                 | 6.91   | 0.7    |      |     |
|                  |                     | 37              | 22              | 25    | 25    | 2.14                   | 3.03  | 3.39    | 3.71  | 4.01    | 4.28  | 4.54    | 4.79  | 5.46    | 6.06  | 6.77                 | 8.30   | 0.8    |      |     |
|                  |                     | 43              | 22              | 25    | 25    | 2.50                   | 3.54  | 3.96    | 4.33  | 4.68    | 5.00  | 5.30    | 5.59  | 6.37    | 7.06  | 7.91                 | 9.67   | 0.9    |      |     |
|                  |                     | 49              | 22              | 25    | 25    | 2.86                   | 4.04  | 4.52    | 4.94  | 5.34    | 5.71  | 6.06    | 6.38  | 7.28    | 8.07  | 9.04                 | 11.1   | 1.0    |      |     |
|                  |                     | 56              | 22              | 25    | 25    | 3.22                   | 4.54  | 5.08    | 5.56  | 6.01    | 6.42  | 6.81    | 7.18  | 8.19    | 9.08  | 10.2                 | 12.4   | 1.1    |      |     |
|                  |                     | 62              | 22              | 25    | 25    | 3.57                   | 5.05  | 5.65    | 6.18  | 6.68    | 7.14  | 7.57    | 7.98  | 9.10    | 10.1  | 11.3                 | 13.8   | 1.1    |      |     |
|                  |                     | 68              | 22              | 25    | 25    | 3.93                   | 5.55  | 6.21    | 6.80  | 7.35    | 7.85  | 8.33    | 8.79  | 10.0    | 11.1  | 12.4                 | 15.2   | 1.2    |      |     |
|                  |                     | 74              | 22              | 25    | 25    | 4.29                   | 6.06  | 6.78    | 7.42  | 8.01    | 8.56  | 9.09    | 9.58  | 10.9    | 12.1  | 13.6                 | 16.6   | 1.3    |      |     |
|                  |                     | 80              | 22              | 25    | 25    | 4.65                   | 6.56  | 7.35    | 8.04  | 8.68    | 9.28  | 9.85    | 10.4  | 11.8    | 13.1  | 14.7                 | 18.0   | 1.3    |      |     |
|                  |                     | 87              | 22              | 25    | 25    | 5.00                   | 7.07  | 7.91    | 8.66  | 9.35    | 10.0  | 10.6    | 11.2  | 12.8    | 14.1  | 15.8                 | 19.4   | 1.4    |      |     |
|                  |                     | 99              | 22              | 25    | 25    | 5.72                   | 8.08  | 9.04    | 9.89  | 10.7    | 11.4  | 12.1    | 12.8  | 14.6    | 16.2  | 18.1                 | 22.1   | 1.5    |      |     |
| 124              | 22                  | 25              | 25              | 7.15  | 10.1  | 11.3                   | 12.4  | 13.4    | 14.3  | 15.2    | 16.0  | 18.2    | 20.2  | 22.6    | 27.7  | 1.7                  |        |        |      |     |
| 15               | 1/8M                | 25              | 12              | 15    | 15    | 1.43                   | 2.02  | 2.25    | 2.47  | 2.67    | 2.85  | 3.03    | 3.19  | 3.64    | 4.03  | 4.51                 | 5.52   | 0.7    |      |     |
|                  |                     | 31              | 12              | 15    | 15    | 1.78                   | 2.52  | 2.82    | 3.09  | 3.34    | 3.57  | 3.78    | 3.99  | 4.55    | 5.05  | 5.64                 | 6.91   | 0.8    |      |     |
|                  |                     | 37              | 12              | 15    | 15    | 2.14                   | 3.03  | 3.39    | 3.71  | 4.01    | 4.28  | 4.54    | 4.79  | 5.46    | 6.06  | 6.77                 | 8.30   | 0.9    |      |     |
|                  |                     | 43              | 12              | 15    | 15    | 2.50                   | 3.54  | 3.96    | 4.33  | 4.68    | 5.00  | 5.30    | 5.59  | 6.37    | 7.06  | 7.91                 | 9.67   | 1.0    |      |     |
|                  |                     | 49              | 12              | 15    | 15    | 2.86                   | 4.04  | 4.52    | 4.94  | 5.34    | 5.71  | 6.06    | 6.38  | 7.28    | 8.07  | 9.04                 | 11.1   | 1.1    |      |     |
|                  |                     | 56              | 12              | 15    | 15    | 3.22                   | 4.54  | 5.08    | 5.56  | 6.01    | 6.42  | 6.81    | 7.18  | 8.19    | 9.08  | 10.2                 | 12.4   | 1.1    |      |     |
|                  |                     | 62              | 12              | 15    | 15    | 3.57                   | 5.05  | 5.65    | 6.18  | 6.68    | 7.14  | 7.57    | 7.98  | 9.10    | 10.1  | 11.3                 | 13.8   | 1.2    |      |     |
|                  |                     | 68              | 12              | 15    | 15    | 3.93                   | 5.55  | 6.21    | 6.80  | 7.35    | 7.85  | 8.33    | 8.79  | 10.0    | 11.1  | 12.4                 | 15.2   | 1.3    |      |     |
|                  |                     | 74              | 12              | 15    | 15    | 4.29                   | 6.06  | 6.78    | 7.42  | 8.01    | 8.56  | 9.09    | 9.58  | 10.9    | 12.1  | 13.6                 | 16.6   | 1.3    |      |     |
|                  |                     | 80              | 12              | 15    | 15    | 4.65                   | 6.56  | 7.35    | 8.04  | 8.68    | 9.28  | 9.85    | 10.4  | 11.8    | 13.1  | 14.7                 | 18.0   | 1.4    |      |     |
|                  |                     | 87              | 12              | 15    | 15    | 5.00                   | 7.07  | 7.91    | 8.66  | 9.35    | 10.0  | 10.6    | 11.2  | 12.8    | 14.1  | 15.8                 | 19.4   | 1.5    |      |     |
|                  |                     | 93              | 12              | 15    | 15    | 5.36                   | 7.58  | 8.48    | 9.28  | 10.0    | 10.7  | 11.4    | 12.0  | 13.7    | 15.2  | 17.0                 | 20.8   | 1.5    |      |     |
| 99               | 12                  | 15              | 15              | 5.72  | 8.08  | 9.04                   | 9.89  | 10.7    | 11.4  | 12.1    | 12.8  | 14.6    | 16.2  | 18.1    | 22.1  | 1.6                  |        |        |      |     |
| 111              | 12                  | 15              | 15              | 6.43  | 9.09  | 10.2                   | 11.1  | 12.0    | 12.9  | 13.6    | 14.4  | 16.4    | 18.2  | 20.3    | 24.9  | 1.6                  |        |        |      |     |
| 124              | 12                  | 15              | 15              | 7.15  | 10.1  | 11.3                   | 12.4  | 13.4    | 14.3  | 15.2    | 16.0  | 18.2    | 20.2  | 22.6    | 27.7  | 1.7                  |        |        |      |     |