

### I-40 STANDARD NOZZLE PERFORMANCE DATA

| Nozzle                                                                                                     | Pressure |     | Radius | Flow               |       | Precip mm/hr |    |
|------------------------------------------------------------------------------------------------------------|----------|-----|--------|--------------------|-------|--------------|----|
|                                                                                                            | bar      | kPa |        | m <sup>3</sup> /hr | l/min | ■            | ▲  |
| <b>08</b> <br>Lt. Brown   | 2.5      | 250 | 13.1   | 1.63               | 27.2  | 19           | 22 |
|                                                                                                            | 3.0      | 300 | 13.4   | 1.80               | 30.0  | 20           | 23 |
|                                                                                                            | 3.5      | 350 | 13.7   | 1.94               | 32.3  | 21           | 24 |
|                                                                                                            | 4.0      | 400 | 14.0   | 2.06               | 34.4  | 21           | 24 |
|                                                                                                            | 4.5      | 450 | 14.0   | 2.18               | 36.3  | 22           | 26 |
|                                                                                                            | 5.0      | 500 | 14.3   | 2.29               | 38.2  | 22           | 26 |
|                                                                                                            | 5.5      | 550 | 14.6   | 2.41               | 40.2  | 23           | 26 |
| <b>10</b> <br>Lt. Green   | 3.0      | 300 | 14.6   | 2.20               | 36.6  | 21           | 24 |
|                                                                                                            | 3.5      | 350 | 14.9   | 2.37               | 39.4  | 21           | 24 |
|                                                                                                            | 4.0      | 400 | 15.2   | 2.52               | 42.0  | 22           | 25 |
|                                                                                                            | 4.5      | 450 | 15.5   | 2.67               | 44.5  | 22           | 25 |
|                                                                                                            | 5.0      | 500 | 15.5   | 2.81               | 46.8  | 23           | 27 |
|                                                                                                            | 5.5      | 550 | 15.8   | 2.96               | 49.3  | 24           | 27 |
|                                                                                                            | 6.0      | 600 | 16.2   | 3.08               | 51.4  | 24           | 27 |
| <b>13</b> <br>Lt. Blue    | 3.0      | 300 | 14.9   | 2.36               | 39.4  | 21           | 24 |
|                                                                                                            | 3.5      | 350 | 15.2   | 2.55               | 42.6  | 22           | 25 |
|                                                                                                            | 4.0      | 400 | 15.5   | 2.73               | 45.5  | 23           | 26 |
|                                                                                                            | 4.5      | 450 | 15.5   | 2.90               | 48.3  | 24           | 28 |
|                                                                                                            | 5.0      | 500 | 15.8   | 3.06               | 51.0  | 24           | 28 |
|                                                                                                            | 5.5      | 550 | 16.2   | 3.23               | 53.9  | 25           | 29 |
|                                                                                                            | 6.0      | 600 | 16.5   | 3.38               | 56.3  | 25           | 29 |
| <b>15</b> <br>Grey        | 3.0      | 300 | 16.2   | 2.93               | 48.8  | 22           | 26 |
|                                                                                                            | 3.5      | 350 | 16.5   | 3.19               | 53.2  | 24           | 27 |
|                                                                                                            | 4.0      | 400 | 16.8   | 3.44               | 57.3  | 24           | 28 |
|                                                                                                            | 4.5      | 450 | 17.1   | 3.67               | 61.2  | 25           | 29 |
|                                                                                                            | 5.0      | 500 | 17.4   | 3.89               | 64.9  | 26           | 30 |
|                                                                                                            | 5.5      | 550 | 18.0   | 4.14               | 68.9  | 26           | 30 |
|                                                                                                            | 6.0      | 600 | 18.3   | 4.34               | 72.4  | 26           | 30 |
| <b>23</b> <br>Dk. Green | 6.2      | 620 | 18.3   | 4.43               | 73.8  | 26           | 31 |
|                                                                                                            | 3.5      | 350 | 18.6   | 4.48               | 74.6  | 26           | 30 |
|                                                                                                            | 4.0      | 400 | 18.9   | 4.76               | 79.4  | 27           | 31 |
|                                                                                                            | 4.5      | 450 | 19.2   | 5.03               | 83.9  | 27           | 32 |
|                                                                                                            | 5.0      | 500 | 19.5   | 5.29               | 88.1  | 28           | 32 |
|                                                                                                            | 5.5      | 550 | 19.8   | 5.56               | 92.7  | 28           | 33 |
|                                                                                                            | 6.0      | 600 | 20.1   | 5.79               | 96.5  | 29           | 33 |
| <b>25</b> <br>Dk. Blue  | 6.2      | 620 | 20.1   | 5.89               | 98.1  | 29           | 34 |
|                                                                                                            | 6.5      | 650 | 20.1   | 6.01               | 100.2 | 30           | 34 |
|                                                                                                            | 6.9      | 690 | 20.4   | 6.19               | 103.2 | 30           | 34 |
|                                                                                                            | 3.5      | 350 | 19.8   | 4.98               | 83.0  | 25           | 29 |
|                                                                                                            | 4.0      | 400 | 20.1   | 5.33               | 88.7  | 26           | 30 |
|                                                                                                            | 4.5      | 450 | 20.4   | 5.65               | 94.2  | 27           | 31 |
|                                                                                                            | 5.0      | 500 | 20.7   | 5.96               | 99.3  | 28           | 32 |
| <b>25</b> <br>Dk. Blue  | 5.5      | 550 | 21.0   | 6.29               | 104.9 | 28           | 33 |
|                                                                                                            | 6.0      | 600 | 21.0   | 6.57               | 109.6 | 30           | 34 |
|                                                                                                            | 6.2      | 620 | 21.0   | 6.69               | 111.5 | 30           | 35 |
|                                                                                                            | 6.5      | 650 | 21.3   | 6.84               | 114.1 | 30           | 35 |
|                                                                                                            | 6.9      | 690 | 21.3   | 7.07               | 117.8 | 31           | 36 |

### I-40 HIGH-SPEED NOZZLE PERFORMANCE DATA

| Nozzle                                                                                                     | Pressure |     | Radius | Flow               |       | Precip mm/hr |    |
|------------------------------------------------------------------------------------------------------------|----------|-----|--------|--------------------|-------|--------------|----|
|                                                                                                            | bar      | kPa |        | m <sup>3</sup> /hr | l/min | ■            | ▲  |
| <b>08</b> <br>Lt. Brown   | 2.5      | 250 | 12.2   | 1.63               | 27.2  | 22           | 25 |
|                                                                                                            | 3.0      | 300 | 12.5   | 1.80               | 30.0  | 23           | 27 |
|                                                                                                            | 3.5      | 350 | 12.8   | 1.94               | 32.3  | 24           | 27 |
|                                                                                                            | 4.0      | 400 | 12.8   | 2.06               | 34.4  | 25           | 29 |
|                                                                                                            | 4.5      | 450 | 13.1   | 2.18               | 36.3  | 25           | 29 |
|                                                                                                            | 5.0      | 500 | 13.4   | 2.29               | 38.2  | 25           | 29 |
|                                                                                                            | 5.5      | 550 | 13.4   | 2.41               | 40.2  | 27           | 31 |
| <b>10</b> <br>Lt. Green   | 3.0      | 300 | 13.4   | 2.20               | 36.6  | 34           | 28 |
|                                                                                                            | 3.5      | 350 | 13.7   | 2.37               | 39.4  | 25           | 29 |
|                                                                                                            | 4.0      | 400 | 14.0   | 2.52               | 42.0  | 26           | 30 |
|                                                                                                            | 4.5      | 450 | 14.0   | 2.67               | 44.5  | 27           | 31 |
|                                                                                                            | 5.0      | 500 | 14.3   | 2.81               | 46.8  | 27           | 32 |
|                                                                                                            | 5.5      | 550 | 14.6   | 2.96               | 49.3  | 28           | 32 |
|                                                                                                            | 6.0      | 600 | 14.6   | 3.08               | 51.4  | 29           | 33 |
| <b>13</b> <br>Lt. Blue    | 3.0      | 300 | 13.7   | 2.36               | 39.4  | 25           | 29 |
|                                                                                                            | 3.5      | 350 | 14.0   | 2.55               | 42.6  | 26           | 30 |
|                                                                                                            | 4.0      | 400 | 14.3   | 2.73               | 45.5  | 27           | 31 |
|                                                                                                            | 4.5      | 450 | 14.3   | 2.90               | 48.3  | 28           | 33 |
|                                                                                                            | 5.0      | 500 | 14.6   | 3.06               | 51.0  | 29           | 33 |
|                                                                                                            | 5.5      | 550 | 14.9   | 3.23               | 53.9  | 29           | 33 |
|                                                                                                            | 6.0      | 600 | 14.9   | 3.38               | 56.3  | 30           | 35 |
| <b>15</b> <br>Grey        | 3.0      | 300 | 15.2   | 2.93               | 48.8  | 25           | 29 |
|                                                                                                            | 3.5      | 350 | 15.5   | 3.19               | 53.2  | 26           | 30 |
|                                                                                                            | 4.0      | 400 | 15.8   | 3.44               | 57.3  | 27           | 32 |
|                                                                                                            | 4.5      | 450 | 15.8   | 3.67               | 61.2  | 29           | 34 |
|                                                                                                            | 5.0      | 500 | 16.2   | 3.89               | 64.9  | 30           | 34 |
|                                                                                                            | 5.5      | 550 | 16.5   | 4.14               | 68.9  | 31           | 35 |
|                                                                                                            | 6.0      | 600 | 16.5   | 4.34               | 72.4  | 32           | 39 |
| <b>23</b> <br>Dk. Green | 6.2      | 620 | 16.5   | 4.43               | 73.8  | 33           | 38 |
|                                                                                                            | 3.5      | 350 | 16.8   | 4.48               | 74.6  | 32           | 37 |
|                                                                                                            | 4.0      | 400 | 17.4   | 4.76               | 79.4  | 32           | 36 |
|                                                                                                            | 4.5      | 450 | 17.7   | 5.03               | 83.9  | 32           | 37 |
|                                                                                                            | 5.0      | 500 | 17.7   | 5.29               | 88.1  | 34           | 39 |
|                                                                                                            | 5.5      | 550 | 18.0   | 5.56               | 92.7  | 34           | 40 |
|                                                                                                            | 6.0      | 600 | 18.3   | 5.79               | 96.5  | 35           | 40 |
| <b>25</b> <br>Dk. Blue  | 6.2      | 620 | 18.6   | 5.89               | 98.1  | 34           | 39 |
|                                                                                                            | 6.5      | 650 | 18.6   | 6.01               | 100.2 | 35           | 40 |
|                                                                                                            | 6.9      | 690 | 18.6   | 6.19               | 103.2 | 36           | 41 |
|                                                                                                            | 3.5      | 350 | 17.4   | 4.98               | 83.0  | 33           | 38 |
|                                                                                                            | 4.0      | 400 | 18.0   | 5.33               | 88.7  | 33           | 38 |
|                                                                                                            | 4.5      | 450 | 18.3   | 5.65               | 94.2  | 34           | 39 |
|                                                                                                            | 5.0      | 500 | 18.6   | 5.96               | 99.3  | 34           | 40 |
| <b>25</b> <br>Dk. Blue  | 5.5      | 550 | 18.9   | 6.29               | 104.9 | 35           | 41 |
|                                                                                                            | 6.0      | 600 | 19.2   | 6.57               | 109.6 | 36           | 41 |
|                                                                                                            | 6.2      | 620 | 19.5   | 6.69               | 111.5 | 35           | 41 |
|                                                                                                            | 6.5      | 650 | 19.5   | 6.84               | 114.1 | 36           | 42 |
|                                                                                                            | 6.9      | 690 | 19.5   | 7.07               | 117.8 | 37           | 43 |

### I-40 NOZZLES



Standard/  
High-Speed



#### Note:

All precipitation rates are calculated for 180° operation. For the precipitation rate of a 360° sprinkler, divide by 2.