

## I-40

The I-40® rotor has a comprehensive list of upgraded features that make it the top choice for demanding, large turf projects.

### KEY BENEFITS

- Patented automatic arc return feature returns the turret back to the original arc pattern if vandalized; adjustable arc from 50° to 360°
- Non-strippable drive mechanism is protected from damage if turned in the opposite direction of travel
- Part- and full-circle in one model for flexibility across landscapes and reduced inventory
- Color-coded nozzles make identification easy
- Available opposing nozzle model for even watering in full-circle applications (I-40-ON model)
- Drain Check Valve prevents low-head drainage (up to 15' of elevation)

### Operating Specifications

- Nozzle choices: 12
- Radius I-40: 44' to 69'
- Radius I-40-ON: 52' to 76'
- Flow I-40: 7.6 to 29.5 GPM
- Flow I-40-ON: 13.0 to 33.7 GPM
- Recommended pressure range: 40 to 100 PSI
- Operating pressure range: 40 to 100 PSI
- Precipitation rate: 0.4 in/hr approximately
- Nozzle trajectory: standard = 25°
- Warranty period: 5 years

### Factory-Installed Options

- Reclaimed water ID
- High-speed rotation

### User-Installed Options

- HSJ-1 prefabricated 1" PVC Swing Joint



## I-40 NOZZLE PERFORMANCE DATA

| Nozzle            | Pressure | Radius | Flow | Precip in/hr |      |
|-------------------|----------|--------|------|--------------|------|
|                   | PSI      | ft     | GPM  | ■            | ▲    |
| 8 *<br>Lt. Brown  | 40       | 44     | 7.6  | 0.76         | 0.87 |
|                   | 50       | 45     | 8.4  | 0.80         | 0.92 |
|                   | 60       | 46     | 9.2  | 0.84         | 0.97 |
| 10 *<br>Lt. Green | 50       | 49     | 10.3 | 0.83         | 0.95 |
|                   | 60       | 50     | 11.3 | 0.87         | 1.00 |
|                   | 70       | 51     | 12.2 | 0.90         | 1.04 |
|                   | 80       | 51     | 13.0 | 0.96         | 1.11 |
| 13 *<br>Lt. Blue  | 50       | 50     | 11.1 | 0.85         | 0.99 |
|                   | 60       | 51     | 12.3 | 0.91         | 1.05 |
|                   | 70       | 52     | 13.3 | 0.95         | 1.09 |
|                   | 80       | 53     | 14.2 | 0.97         | 1.12 |
| 15 *<br>Grey      | 50       | 54     | 13.8 | 0.91         | 1.05 |
|                   | 60       | 55     | 15.7 | 1.00         | 1.15 |
|                   | 70       | 57     | 16.6 | 0.98         | 1.14 |
|                   | 80       | 59     | 18.3 | 1.01         | 1.17 |
| 23 *<br>Dk. Green | 60       | 62     | 21.3 | 1.07         | 1.23 |
|                   | 70       | 64     | 23.0 | 1.08         | 1.25 |
|                   | 80       | 65     | 24.5 | 1.12         | 1.29 |
|                   | 90       | 66     | 25.9 | 1.14         | 1.32 |
| 25 *<br>Dk. Blue  | 60       | 66     | 23.9 | 1.06         | 1.22 |
|                   | 70       | 67     | 25.8 | 1.11         | 1.28 |
|                   | 80       | 68     | 27.7 | 1.15         | 1.33 |
|                   | 90       | 69     | 29.5 | 1.19         | 1.38 |

**Notes:**

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

## I-40 HIGH SPEED NOZZLE PERFORMANCE DATA

| Nozzle            | Pressure | Radius | Flow | Precip in/hr |      |
|-------------------|----------|--------|------|--------------|------|
|                   | PSI      | ft     | GPM  | ■            | ▲    |
| 8 °<br>Lt. Brown  | 40       | 41     | 7.6  | 0.87         | 1.00 |
|                   | 50       | 41     | 8.4  | 0.96         | 1.11 |
|                   | 60       | 42     | 9.2  | 1.00         | 1.16 |
| 10 °<br>Lt. Green | 50       | 45     | 10.3 | 0.98         | 1.13 |
|                   | 60       | 46     | 11.3 | 1.03         | 1.19 |
|                   | 70       | 47     | 12.2 | 1.06         | 1.23 |
|                   | 80       | 47     | 13.0 | 1.13         | 1.31 |
| 13 °<br>Lt. Blue  | 50       | 46     | 11.1 | 1.01         | 1.17 |
|                   | 60       | 47     | 12.3 | 1.07         | 1.24 |
|                   | 70       | 53     | 16.6 | 1.14         | 1.31 |
|                   | 80       | 54     | 18.3 | 1.21         | 1.40 |
| 15 °<br>Grey      | 50       | 51     | 13.5 | 1.02         | 1.18 |
|                   | 60       | 52     | 15.7 | 1.12         | 1.29 |
|                   | 70       | 53     | 16.6 | 1.14         | 1.31 |
|                   | 80       | 54     | 18.3 | 1.21         | 1.40 |
| 23 °<br>Dk. Green | 60       | 58     | 21.3 | 1.22         | 1.41 |
|                   | 70       | 59     | 23.0 | 1.27         | 1.47 |
|                   | 80       | 60     | 24.5 | 1.31         | 1.51 |
|                   | 90       | 61     | 25.9 | 1.34         | 1.55 |
| 25 °<br>Dk. Blue  | 60       | 59     | 23.9 | 1.32         | 1.53 |
|                   | 70       | 61     | 25.8 | 1.33         | 1.54 |
|                   | 80       | 62     | 27.7 | 1.39         | 1.60 |
|                   | 90       | 63     | 28.5 | 1.43         | 1.65 |

**Notes:**

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

| <b>I-40 DUAL OPPOSING NOZZLE PERFORMANCE DATA</b>  |                 |               |             |                     |      |
|--|-----------------|---------------|-------------|---------------------|------|
| <b>Nozzle</b>  | <b>Pressure</b> | <b>Radius</b> | <b>Flow</b> | <b>Precip in/hr</b> |      |
|  | <b>PSI</b>      | <b>ft</b>     | <b>GPM</b>  | ■                   | ▲    |
| 15 •<br>Grey   | 50              | 52            | 13.0        | 0.46                | 0.53 |
|  | 60              | 54            | 13.2        | 0.44                | 0.50 |
|  | 70              | 56            | 14.4        | 0.44                | 0.51 |
|  | 80              | 57            | 15.5        | 0.46                | 0.53 |
| 18 •<br>Red  | 50              | 58            | 13.7        | 0.39                | 0.45 |
|  | 60              | 59            | 15.2        | 0.42                | 0.49 |
|  | 70              | 60            | 16.6        | 0.44                | 0.51 |
|  | 80              | 62            | 17.8        | 0.45                | 0.51 |
| 20 •<br>Dk. Brown  | 60              | 63            | 19.1        | 0.46                | 0.53 |
|  | 70              | 64            | 20.9        | 0.49                | 0.57 |
|  | 80              | 66            | 22.3        | 0.49                | 0.57 |
|  | 90              | 66            | 23.9        | 0.53                | 0.61 |
| 23 •<br>Dk. Green  | 60              | 65            | 20.4        | 0.46                | 0.54 |
|  | 70              | 66            | 22.3        | 0.49                | 0.57 |
|  | 80              | 67            | 24.0        | 0.51                | 0.59 |
|  | 90              | 68            | 25.6        | 0.53                | 0.62 |
| 25 •<br>Dk. Blue   | 60              | 66            | 22.0        | 0.49                | 0.56 |
|  | 70              | 68            | 24.0        | 0.50                | 0.58 |
|  | 80              | 69            | 25.9        | 0.52                | 0.60 |
|  | 90              | 70            | 27.2        | 0.53                | 0.62 |
| 28 •<br>Black  | 70              | 70            | 28.9        | 0.57                | 0.66 |
|  | 80              | 72            | 30.9        | 0.57                | 0.66 |
|  | 90              | 74            | 32.9        | 0.58                | 0.67 |
|  | 100             | 76            | 33.7        | 0.56                | 0.65 |
| <b>Notes:</b><br>Precipitation rates for the ON-Opposing Nozzle model are calculated at 360 degrees. |                 |               |             |                     |      |

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