I-40 Written Specifications

**Part 1 – General**

1.1The I-40 is a rotary gear-driven sprinkler for commercial applications. It features three port nozzle options, a non-strippable drive, a thick rubber cover to prevent injury, easy arc adjustment, and optional reclaimed water ID.

**Part 2 – Parts and Material**

2.1The I-40 shall be available in the following versions: 4" (10 cm) stainless steel riser, 6" (15 cm) stainless steel riser.

1. The sprinkler shall be constructed from corrosion- and impact-resistant ABS plastic.
2. The sprinkler shall be equipped with a durable, stainless-steel riser spring.
3. The sprinkler shall be available with an optional opposing nozzle (ON) housing.
4. The sprinkler shall be available with 12 nozzle choices in flow rates from 7.6 to 29.5 GPM (1.63 to 6.84 m3/hr; 27.2 to 114.1 l/min) for conventional models and 13.0 to 33.7 GPM (2.75 to 7.76 m3/hr; 45.8 to 129.4 l/min) for ON models.
5. The sprinkler shall be equipped with a non-strippable gear drive.
6. The sprinkler shall be equipped with automatic arc return.
7. The arc of the sprinkler shall be adjustable from 50° to 360°.
8. The sprinkler shall be equipped with through-the-top arc adjustment.
9. The sprinkler shall be equipped with a QuickCheck™ arc mechanism.
10. The sprinkler shall be equipped with a factory-installed rubber cover.
11. The sprinkler shall be equipped with a standard drain check valve to hold back up to 15'
(4.5 m) of elevation.
12. The sprinkler shall be available in a reclaimed water ID version.
13. The sprinkler shall be available in a high-speed version.

2.2. Rotor dimensions

 A. I-40-04

* + - Pop-up height: 4" (10 cm)
		- Overall height: 7⅞" (20 cm)
		- Exposed diameter: 2" (5 cm)
		- Inlet size: 1" (25 mm) NPT

 B. I-40-06

* + - Pop-up height: 6" (15 cm)
		- Overall height: 10¼" (26 cm)
		- Exposed diameter: 2" (5 cm)
		- Inlet size: 1" (25 mm) NPT

2.3 Warranty

 A. The sprinkler shall carry a five-year exchange warranty.

**Part 3 – Function and Operation**

3.1 Recommended pressure range: 40 to 100 PSI (2.5 to 7.0 bar; 250 to 700 kPa)

 A. Operating pressure range: 40 to 100 PSI (2.5 to 7.0 bar; 250 to 700 kPa)

3.2Radius: 44' to 69' (13.1 to 21.3 m) conventional, 52' to 76' (15.2 to 23.2 m) ON

3.3 Flow rate: 7.6 to 29.5 GPM (1.63 to 6.84 m3/hr; 27.2 to 114.1 l/min) conventional, 13.0 to 33.7 GPM (2.75 to 7.76 m3/hr; 45.8 to 129.4 l/min) ON

3.4 Precipitation rate: 0.4 in/hr (15 mm/hr) approximately

3.5 Nozzle trajectory: 25° approximately

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