I-20 Written Specifications

**Part 1 – General**

* 1. The I-20 is a rotary gear-driven sprinkler for residential and commercial applications. It features a non-strippable drive, automatic arc return, non-reversing 360° capabilities, FloStop® control, a drain check valve, water-efficient nozzles that can be easily changed, and simple arc adjustment.

**Part 2 – Parts and Material**

2.1The I-20 shall be available in the following versions: Shrub, 4" (10 cm) plastic riser, 4" (10 cm) stainless steel riser, 6" (15 cm) plastic riser, 6" (15 cm) stainless steel riser, 12" (30 cm) plastic 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 30 nozzle choices in flow rates from 0.36 to 9.8 GPM (0.07 to 3.23 m3/hr; 1.2 to 53.8 l/min).
4. The sprinkler shall be equipped with a flow shutoff device.
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 10'
(3 m) of elevation.
12. The sprinkler shall be available in a reclaimed water ID version.

2.2. Rotor dimensions

 A. I-20-00

* + - Overall height: 7¾" (20 cm)
		- Exposed diameter: 1¾" (4.5 cm)
		- Inlet size: ¾" NPT

 B. I-20-04

* + - Pop-up height: 4" (10 cm)
		- Overall height: 7⅛" (19 cm)
		- Exposed diameter: 1¾" (4.5 cm)
		- Inlet size: ¾" NPT

 C. I-20-06

* + - Pop-up height: 6" (15 cm)
		- Overall height: 9⅞" (25 cm)
		- Exposed diameter: 1¾" (4.5 cm)
		- Inlet size: ¾" NPT

 D. I-20-12

* + - Pop-up height: 12" (30 cm)
		- Overall height: 17" (43 cm)
		- Exposed diameter: 1¾" (4.5 cm)
		- Inlet size: ¾" NPT

2.3 Warranty

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

**Part 3 – Function and Operation**

3.1 Recommended pressure range: 25 to 70 PSI (1.7 to 4.5 bar; 170 450 kPa)

 A. Operating pressure range: 20 to 100 PSI (1.4 to 7.0 bar; 140 to 700 kPa)

3.2Radius: 17' to 46' (4.9 to 14.0 m)

3.3 Flow rate: 0.36 to 14.8 GPM (0.07 to 3.23 m3/hr; 1.2 to 53.8 l/min)

3.4 Precipitation rate: 0.4 in/hr (10 mm/hr) approximately

3.5 Nozzle trajectory: Standard = 25° approximately, Low-angle = 13° approximately

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