I-20 PRB Written Specifications

**Part 1 – General**

1.1The I-20 PRB is a pressure-regulated 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 PRB 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.

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 2.22 m3/hr; 1.2 to 36.0 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.

The sprinkler shall be equipped with a 45 PSI (3.1 bar; 310 kPa) regulator in the body.

2.2. Rotor dimensions

 A. I-20-00

* Overall height: 8¾" (22 cm)
* Exposed diameter: 1¾" (4.5 cm)
* Inlet size: ¾" NPT

B. I-20-04

* Pop-up height: 4" (10 cm)
* Overall height: 8¼" (22 cm)
* Exposed diameter: 1¾" (4.5 cm)
* Inlet size: ¾" NPT

 C. I-20-06

* Pop-up height: 6" (15 cm)
* Overall height: 10⅝" (27 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: 55 to 100 PSI (1.7 to 4.5 bar; 170 to 450 kPa)

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

3.3 Flow rate: 0.36 to 9.8 GPM (0.07 to 2.22 m3/hr; 1.2 to 36.0 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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