PGP® Ultra PRB Written Specifications

**Part 1 – General**

1.1The PGP Ultra PRB is a pressure-regulated rotary gear-driven sprinkler for residential and light commercial applications. It features a non-strippable drive, automatic arc return, water-efficient nozzles that can be easily changed, and simple arc adjustment.

**Part 2 – Parts and Material**

2.1The PGP Ultra PRB shall be available in the following versions: Shrub, 4" (10 cm) pop-up.

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 non-strippable gear drive.
5. The sprinkler shall be equipped with automatic arc return.
6. The arc of the sprinkler shall be adjustable from 50° to 360°.
7. The sprinkler shall be equipped with through-the-top arc adjustment.
8. The sprinkler shall be equipped with a QuickCheck™ arc mechanism.
9. The sprinkler shall be equipped with a factory-installed rubber cover.
10. The sprinkler may be equipped with an optional drain check valve to hold back up to 10'
(3 m) of elevation.
11. The sprinkler shall be available in a reclaimed water ID version.
12. The sprinkler shall be equipped with a 45 PSI (3.1 bar; 310 kPa) regulator in the body.

2.2. Rotor dimensions

 A. PGP-00

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

B. PGP-04

* + - Pop-up height: 4" (10 cm)
		- Overall height: 8¼" (22 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 Operating 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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