PGP Ultra Written Specification

**Part 1 – General**

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

**Part 2 – Parts and Material**

2.1The PGP Ultra Shall be available in the following versions: Shrub, 4” (10 cm) Pop-Up, 6” (15 cm) Pop-Up, 12” (30 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 34 nozzle choices in flow rates from 0.36 to 14.8 GPM (0.07 to 3.23 m3/hr; 1.2 to 53.8 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 50-360 degrees
7. The sprinkler shall be equipped with through the top arc adjustment.
8. The sprinkler shall be equipped with a quick check 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’ (2.1 m) of elevation.
11. The sprinkler shall be available in a reclaimed water ID version.

2.2. Rotor dimensions

 PGP-00

 Overall height: 7 ½” (19 cm)

 Exposed diameter: 1-3/4” (4.5 cm)

 Inlet size: 3/4” NPT

 PGP-04

 Pop-up height: 4” (10 cm)

 Overall height: 7-1/2” (19 cm)

 Exposed diameter: 1-3/4” (4.5 cm)

 Inlet size: 3/4” NPT

 PGP-06

 Pop-up height: 6” (15 cm)

 Overall height: 9-7/8” (25 cm)

 Exposed diameter: 1-3/4” (4.5 cm)

 Inlet size: 3/4” NPT

PGP-12

 Pop-up height: 12” (30 cm)

 Overall height: 17” (43 cm)

 Exposed diameter: 1-3/4” (4.5 cm)

 Inlet size: 3/4” 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 to 450 kPa)

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

3.2Radius: 17’ to 47’ (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 approx. (10 mm/hr approx.)

3.5 Nozzle trajectory: Std = 25 degrees approx., Low angle = 13 degrees approx..