PGJ Written Specifications

**Part 1 – General**

1.1The PGJ is a compact, rotary, gear-driven sprinkler with a footprint similar in size to a spray head. It features water-efficient nozzles that can be easily changed, simple arc adjustment, and a rubber cover.

**Part 2 – Parts and Material**

2.1The PGJ shall be available in the following versions: Shrub, 4" (10 cm) pop-up, 6" (15 cm) pop-up and 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 8 nozzle choices in flow rates from 0.75 to 5.0 GPM (0.13 to 1.23 m3/hr; 2.2 to 20.5 l/min).
4. The arc of the sprinkler shall be adjustable from 40° to 360°.
5. The sprinkler shall be equipped with through-the-top arc adjustment.
6. The sprinkler shall be equipped with a QuickCheck™ arc mechanism.
7. The sprinkler shall be equipped with a factory-installed rubber cover.
8. The sprinkler may be equipped with an optional drain check valve to hold back up to 7'
(2.1 m) of elevation.
9. The sprinkler shall be available in a reclaimed water ID version.

2.2. Rotor dimensions

 A. PGJ-00

* + - Overall height: 7" (18 cm)
		- Exposed diameter: 1⅛" (3 cm)
		- Inlet size: ½" NPT

 B. PGJ-04

* + - Pop-up height: 4" (10 cm)
		- Overall height: 7⅛" (18 cm)
		- Exposed diameter: 1⅛" (3 cm)
		- Inlet size: ½" NPT

 C. PGJ-06

* + - Pop-up height: 6" (15 cm)
		- Overall height: 9⅛" (23 cm)
		- Exposed diameter: 1⅛" (3 cm)
		- Inlet size: ½" NPT

 D. PGJ-12

* + - Pop-up height: 12" (30 cm)
		- Overall height: 16⅜" (41 cm)
		- Exposed diameter: 1⅛" (3 cm)
		- Inlet size: ½" NPT

2.3 Warranty

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

**Part 3 – Function and Operation**

3.1 Recommended pressure range: 30 to 50 PSI (1.7 to 3.8 bar; 170 to 380 kPa)

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

3.2Radius: 15' to 37' (4.3 to 11.6 m)

3.3 Flow rate: 0.64 to 5.3 GPM (0.13 to 1.23 m3/hr; 2.2 to 20.5 l/min)

3.4 Precipitation rate: 0.6 in/hr (15 mm/hr) approximately

3.5 Nozzle trajectory: 14° approximately

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