**Hunter ST-1200-BR Synthetic Turf Rotor Written Specifications**

**Part 1 – General**

1.1The ST-1200-BR Synthetic Turf Rotor is a long-distance, riser-mounted, gear-driven sprinkler designed for wash-down watering applications.

**Part 2 – Parts and Material**

2.1The ST-1200-BR shall be available in the following features

1. The sprinkler shall be constructed from corrosion- and impact-resistant ABS plastic.
2. The sprinkler shall have a ratcheting, ABS plastic riser.
3. The sprinkler shall be available with five nozzle choices in flow rates from 27.0 to 131.0 GPM (6.13 to 29.76 m3/hr; 102.2 to 495.9 l/min).
4. The sprinkler shall have a ratcheting mechanism within the gear drive that allows full rotational movement of the nozzle turret assembly without damage to the sprinkler.
5. The arc of the sprinkler shall be adjustable from 40° to 360°.
6. The sprinkler shall be adjustable in all phases of installation (i.e., before installation, after installation while static, and after installation while in operation). The sprinkler shall come with a preinstalled #12 nozzle.
7. Additional nozzles shall come prepackaged in the box along with the rotor.

2.2. Rotor dimensions

A. ST-1200-BR

* + - Overall height: 12" (30 cm)
    - Overall length: 12" (30 cm)
    - Inlet size: 1½" (40 mm) female BSP

2.3 Warranty

A. The sprinkler shall carry a five-year component part warranty.

**Part 3 – Function and Operation**

3.1 Recommended pressure range: 100 to 120 PSI (2.0 to 6.0 bar; 200 to 600 kPa)

A. Operating pressure range: 100 to 120 PSI (2.0 to 6.0 bar; 200 to 600 kPa)

3.2Radius: 67' to 115' (20.4 to 35.1 m)

3.3 Flow rate: 27.0 to 131.0 GPM (6.13 to 29.76 m3/hr; 102.2 to 495.9 l/min)

3.4 Precipitation rate: 1.40 in/hr (35.5 mm/hr), approximately

3.5 Nozzle trajectory: Standard: 22.5°, approximately

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