Rain Bird® SQ Series, Square Pattern Nozzles and Poly Flex Riser Adapter

The Smart Solution for Smaller Spaces
Rain Bird’s new ush-mount SQ Series, Square Pattern Nozzle is the most precise and efficient, commercial-grade, low-volume spray solution for irrigation of small areas with dense plantings. The SQ looks like any MPR nozzle and installs on most common spray heads. It adjusts from 2.5’ square to 4’ square pattern in a single click.

Pressure Compensating/Commercial Grade
Unlike conventional micro-sprays, Rain Bird’s patent-pending SQ is pressure compensating, commercial grade, and virtually mist-free— even at the maximum operating pressure. This ensures optimum coverage for non-turf applications from 20 to 50 psi.

One Nozzle…Two Throws
The SQ is the only edge to edge capable nozzle on the market delivering superior soil moisture content and uniformity. The patent-pending design provides the designer and the installer with the option of 2.5’ or 4’ throws in a quarter, half or full square pattern. The SQ threads onto any standard 1/2” MPT connection or, for added versatility, use the patent-pending PFR Adapter.

SQ Features
• Commercial-grade pressure compensating nozzle
• Available in 3 models
  - SQ-QTR – Quarter pattern (90° square)
  - SQ-HLF – Half pattern (180° square)
  - SQ-FUL – Full pattern (360° square).
• Compatible with all 1800® Series, Xeri-Pop Series, PFR Adapter, UNI-Spray Series and SCH 80 risers
• Shipped with blue filter screen (.02 x .02) to maintain precise throw and prevent clogging
• Virtual no-mist performance from 20 to 50 psi
• 2 throw distance options in each nozzle. One click lets you adjust from 2.5’ to 4’ (0.8m to 1.2m)
• Poly Flex Riser Adapter sold with either 12” or 24” Poly Flex Riser
• Patent-pending

Can be used on...
The SQ Nozzle is an ideal solution for a wide range of difficult-to-design areas, thanks to its compatibility with popular irrigation products.

How To Specify

1404
Model
1300-A-F
1401
1403
1404
1408

One Nozzle…Two Throws
With a simple turn of the nozzle to the next preset stop, the Rain Bird SQ Nozzle adjusts from a 2.5’ (0.8 m) throw to a 4’ (1.2 m) throw. It’s like having two nozzles in one.
### Specifications

#### SQ Series, Square Pattern Nozzle
The nozzle shall have matched precipitation rates for each model. The nozzle shall be capable of covering a _____(ft.)/ (meter) radius at _______(psi)/ (bar) with a discharge rate of _______(gpm)/ (m³/h).

The SQ is intended for use with the 1800 Series, Xeri-Pop Series, PFR Adapter, UNI-Spray Series or SCH 80 risers. The SQ is constructed of UV resistant ABS plastic. The SQ shall be pressure compensating and factory manufactured by Rain Bird Corporation, Azusa, CA.

#### The Poly Flex Riser Adapter
The Poly Flex Riser Adapter shall be molded of ABS plastic material. The PFR Adapter shall be designed to fit onto either a 12” or 24” Poly Flex Riser Assembly.

### Quarter Model
- **Q**
  - Pressure: 20 psi
  - Throw: 2.5 ft
  - Radius: 6.4 ft
  - Flow: 0.11 gph
  - Flow w/no overlap: 0.64 gpm
  - Precip. Rate: 1.64 in/h

### Half Model
- **H**
  - Pressure: 20 psi
  - Throw: 2.5 ft
  - Radius: 6.4 ft
  - Flow: 0.11 gph
  - Flow w/no overlap: 0.64 gpm
  - Precip. Rate: 1.64 in/h

### Full Model
- **F**
  - Pressure: 20 psi
  - Throw: 2.5 ft
  - Radius: 6.4 ft
  - Flow: 0.11 gph
  - Flow w/no overlap: 0.64 gpm
  - Precip. Rate: 1.64 in/h

### SQ Nozzle Performance

#### 2.5 feet throw @ 6” height above grade

<table>
<thead>
<tr>
<th>Nozzle</th>
<th>Pressure psi</th>
<th>Throw Radius ft.</th>
<th>Flow gph</th>
<th>Flow gpm</th>
<th>Precip. Rate in/h</th>
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<td>0.11</td>
<td>1.64</td>
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### SQ Nozzle Performance

#### 4 feet throw @ 6” height above grade

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<th>Throw Radius ft.</th>
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<th>Flow gpm</th>
<th>Precip. Rate in/h</th>
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### SQ Nozzle Performance

#### 1.2 m throw @ 0.15 m height above grade

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<th>Precip. Rate mm/h</th>
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Performance data taken in zero wind conditions.

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