

### Rain Bird® 550 Series

#### SPECIFICATIONS

**Radius:**

28' to 49' (8.5 m to 14.4 m)

**Flow Rate:**

7.25 to 13.60 gpm (0.46 to 0.86 l/s); (1.65 to 3.00 m³/h)

**Arc:**

Adjustable 30° to 345°

**Models:**

**Part-Circle:**



**550E:** Electric

**550IC:** Integrated Control

**550S/H:** Combined use Stopamatic (SAM) or Hydraulic (N.O.)\*

**550B:** Seal-A-Matic™ device

**Maximum Inlet Pressure:**

**Models 550E and IC:** 150 psi (10.3 bars)

**Models 550S/H and B:** 100 psi (6.9 bars)

**Pressure Regulation Range:** 60 to 100 psi

(4.1 to 6.9 bars)

**Factory Pressure Settings:** 550E/IC available in 70

and 80 psi (4.8 and 5.5 bars)

**Inlet Threads:**

**Models E, IC, S/H:** 1.25" (3.2 cm) ACME

Female Threaded

**Models B:** 1" (2.5 cm) ACME Female Threaded

**Dimensions:**

**Body Height:**

**Models E, IC, S/H:** 12.0" (30.5 cm)

**Models B:** 9.6" (24.5 cm)

**Pop-Up Height to Mid-Nozzle:**

**Models E, IC, S/H, B:** 2.6" (6.6 cm)

**Top Diameter:**

**Models E, IC, S/H:** 6.25" (15.9 cm)

**Models B:** 4.25" (10.8 cm)

**Rotation Time:**

180° in ≤ 90 seconds; 75 seconds nominally

**Holdback:**

**Block:** 10' (3.1 m) of elevation

**SAM/Hydraulic:** 15' (4.6 m) of elevation

**Nozzle Trajectory:**

**51 Nozzle:** 12°

**52, 53, 54 Nozzles:** 25°

**Maximum Stream Height:**

**51 Nozzle:** 5' (1.5 m)

**52, 53, 54 Nozzles:** 13' (4.0 m)

**Solenoid:** 24 VAC solenoid power requirement:

0.41 amp inrush current (9.8 VA);

**60 cycle:** 0.25 amp holding current (6.0 VA);

**50 cycle:** 0.32 amp holding current (7.7 VA)



**Surge Resistance:** Up to 25kV standard on electric models

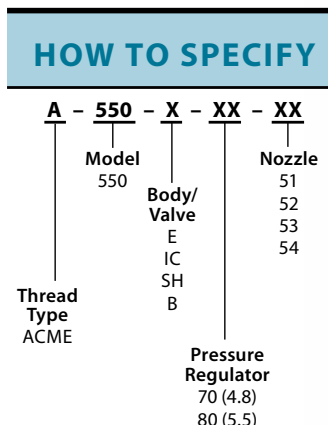
**Top-Serviceable Rock Screen™ and Replaceable Valve Seat:**

On models 550E, IC, S/H

\*N.O. — Normally open



● 550 Series



**Performance Data: 550 Series**

**U.S. Data**

| Base Pressure (psi) | 60          |            | 70          |            | 80          |            | 90          |            | 100         |            |
|---------------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|
|                     | Radius (ft) | Flow (gpm) | Radius (ft) | Flow (gpm) | Radius (ft) | Flow (gpm) | Radius (ft) | Flow (gpm) | Radius (ft) | Flow (gpm) |
| #51-Blue            | 28          | 7.25       | 30          | 7.85       | 31          | 8.25       | 32          | 8.42       | 32          | 8.60       |
| #52-Beige           | 35          | 7.20       | 35          | 7.70       | 37          | 8.30       | 39          | 8.80       | 39          | 9.10       |
| #53-Gray            | 45          | 9.40       | 45          | 10.10      | 45          | 10.80      | 45          | 11.50      | 45          | 12.00      |
| #54-Red             | 49          | 11.20      | 49          | 12.00      | 49          | 12.80      | 49          | 13.00      | 49          | 13.60      |

**Metric Data**

| Base Pressure (bars) | 4.1        |             | 4.8        |             | 5.5        |             | 6.2        |             | 6.9        |             |
|----------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
|                      | Radius (m) | Flow (m³/h) | Radius (m) | Flow (m³/h) | Radius (m) | Flow (m³/h) | Radius (m) | Flow (m³/h) | Radius (m) | Flow (m³/h) |
| #51-Blue             | 8.5        | 1.65        | 9.1        | 1.78        | 9.4        | 1.87        | 9.8        | 1.91        | 9.8        | 1.95        |
| #52-Beige            | 10.7       | 1.64        | 10.7       | 1.75        | 11.3       | 1.88        | 11.9       | 2.00        | 11.9       | 2.07        |
| #53-Gray             | 13.7       | 2.13        | 13.7       | 2.29        | 13.7       | 2.45        | 13.7       | 2.61        | 13.7       | 2.73        |
| #54-Red              | 14.9       | 2.54        | 14.9       | 2.73        | 14.9       | 2.91        | 14.9       | 2.95        | 14.9       | 3.09        |



All data is generated from tests conducted in accordance with ASAE Standard S398.1 for at least 30 minutes in zero-wind conditions. Rain Bird recommends the use of SPACE for Windows® equivalent program or derived performance data to optimize nozzle selection.