

### U-Series Nozzles

Dual orifice spray nozzles that use 30% less water<sup>1</sup>

#### Features

- Additional orifice for close-in watering minimizes brown spots around the spray head and eliminates gaps in coverage so the entire watering area is more uniformly covered
- Superior coverage for efficient watering. Use up to 30% less water
- Matched precipitation rate with Rain Bird HE-VAN and MPR nozzles
- Five year trade warranty

#### Operating Range

- Spacing: 5 to 15 feet (1.7 to 4.6 m)<sup>2</sup>
- Pressure: 15 to 30 psi (1.0 to 2.1 bar)
- Optimum pressure: 30 psi (2.1 bar)<sup>3</sup>

#### Models

- U-8 Series: 8-foot Quarter, Half, Full nozzles
- U-10 Series: 10-foot Quarter, Half, Full nozzles
- U-12 Series: 12-foot Quarter, Half, Full nozzles
- U-15 Series: 15-foot Quarter, Half, Full nozzles

<sup>1</sup> When U-Series dual-orifice nozzles are installed instead of standard nozzles on every spray body in the zone. Results may vary based on site-specific conditions such as sprinkler spacing, wind, temperature, soil and grass type.

<sup>2</sup> These ranges are based on proper pressure at nozzle.

<sup>3</sup> Rain Bird recommends using 1800/RD1800 PRS Spray Bodies to maintain optimum nozzle performance in higher pressure situations.

U-Series Nozzles meet the requirements of the ASABE/ICC 802-2014 standard

The average DU(LQ) of the applicable products exceed 0.65 distribution uniformity.

| Product  | Type             | Radius     | DU(LQ) |
|----------|------------------|------------|--------|
| U-Series | Spray, Fixed Arc | 6 - 15 ft. | > 0.70 |

To view the complete document of compliance for Rain Bird products that have been tested to meet the requirements of the ASABE/ICC 802-2014 standard and the California MWELD go to: [www.rainbird.com/agency/california/MWELD.htm](http://www.rainbird.com/agency/california/MWELD.htm)

#### U8 Series

##### 10° Trajectory

| Nozzle | Pressure psi | Radius ft. | Flow gpm | Precip In/h | Precip In/h |
|--------|--------------|------------|----------|-------------|-------------|
| U-8F   | 15           | 5          | 0.74     | 2.85        | 3.29        |
|        | 20           | 6          | 0.86     | 2.30        | 2.66        |
|        | 25           | 7          | 0.96     | 1.89        | 2.18        |
|        | 30           | 8          | 1.05     | 1.58        | 1.83        |
| U8H    | 15           | 5          | 0.37     | 2.85        | 3.29        |
|        | 20           | 6          | 0.42     | 2.25        | 2.59        |
|        | 25           | 7          | 0.47     | 1.85        | 2.13        |
|        | 30           | 8          | 0.52     | 1.58        | 1.83        |
| U8Q    | 15           | 5          | 0.18     | 2.77        | 3.20        |
|        | 20           | 6          | 0.21     | 2.25        | 2.59        |
|        | 25           | 7          | 0.24     | 1.89        | 2.18        |
|        | 30           | 8          | 0.26     | 1.58        | 1.83        |

Note: All U-Series nozzles tested on 4" (10.2 cm) pop-ups

■ Square spacing based on 50% diameter of throw

▲ Triangular spacing based on 50% diameter of throw



U-Series Nozzles

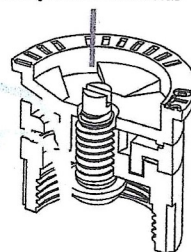


U-Series Nozzle with screen



U-Series nozzles offer better, more uniform water distribution. Water flowing from both orifices combines to form a continuous water stream. Eliminates gaps for more uniform coverage throughout the entire watering area

Stainless steel adjustment screw to adjust flow and radius



Fits all Rain Bird Spray Bodies and Shrub Adapters

#### How to Specify

##### U12H

Radius Range  
8: 5-8 feet (1.7-2.4 m)  
10: 7-10 feet (2.1-3.1 m)  
12: 9-12 feet (2.7-3.7 m)  
15: 11-15 feet (3.4-4.6 m)

Pattern  
F: Full  
H: Half  
Q: Quarter

Model  
U-Series Nozzle

#### U8 Series

##### 10° Trajectory

| Nozzle | Pressure bar | Radius m | Flow m <sup>3</sup> /h | Flow l/m | Precip mm/h | Precip mm/h |
|--------|--------------|----------|------------------------|----------|-------------|-------------|
| U-8F   | 1.0          | 1.7      | 0.16                   | 2.8      | 72          | 84          |
|        | 1.5          | 2.1      | 0.20                   | 3.4      | 58          | 68          |
|        | 2.0          | 2.4      | 0.23                   | 3.9      | 48          | 55          |
|        | 2.1          | 2.4      | 0.24                   | 4.0      | 40          | 46          |
| U-8H   | 1.0          | 1.7      | 0.08                   | 1.4      | 72          | 84          |
|        | 1.5          | 2.1      | 0.10                   | 1.7      | 57          | 66          |
|        | 2.0          | 2.4      | 0.12                   | 1.9      | 47          | 54          |
|        | 2.1          | 2.4      | 0.12                   | 2.0      | 40          | 46          |
| U-8Q   | 1.0          | 1.7      | 0.04                   | 0.7      | 70          | 81          |
|        | 1.5          | 2.1      | 0.05                   | 0.8      | 57          | 66          |
|        | 2.0          | 2.4      | 0.06                   | 1.0      | 48          | 55          |
|        | 2.1          | 2.4      | 0.06                   | 1.0      | 40          | 46          |

Performance data taken in zero wind conditions

Radius refers to recommended product spacing. Actual radii along arc may vary

### U10 Series

#### 12° Trajectory

| Nozzle                                                                                     | Pressure<br>psi | Radius<br>ft. | Flow<br>gpm | Precip<br>In/h | Precip<br>In/h |
|--------------------------------------------------------------------------------------------|-----------------|---------------|-------------|----------------|----------------|
| U-10F<br> | 15              | 7             | 1.16        | 2.07           | 2.39           |
|                                                                                            | 20              | 8             | 1.34        | 2.01           | 2.32           |
|                                                                                            | 25              | 9             | 1.50        | 1.62           | 1.87           |
|                                                                                            | 30              | 10            | 1.64        | 1.58           | 1.83           |
| U-10H<br> | 15              | 7             | 0.58        | 2.07           | 2.39           |
|                                                                                            | 20              | 8             | 0.67        | 2.01           | 2.32           |
|                                                                                            | 25              | 9             | 0.75        | 1.62           | 1.87           |
|                                                                                            | 30              | 10            | 0.82        | 1.58           | 1.83           |
| U-10Q<br> | 15              | 7             | 0.29        | 2.07           | 2.39           |
|                                                                                            | 20              | 8             | 0.33        | 2.01           | 2.32           |
|                                                                                            | 25              | 9             | 0.37        | 1.62           | 1.87           |
|                                                                                            | 30              | 10            | 0.41        | 1.58           | 1.83           |

### U10 Series

#### METRIC

#### 12° Trajectory

| Nozzle                                                                                     | Pressure<br>bar | Radius<br>m | Flow<br>m³/h | Flow<br>l/m | Precip<br>mm/h | Precip<br>mm/h |
|--------------------------------------------------------------------------------------------|-----------------|-------------|--------------|-------------|----------------|----------------|
| U-10F<br> | 1.0             | 2.1         | 0.26         | 4.4         | 52             | 60             |
|                                                                                            | 1.5             | 2.6         | 0.30         | 5.3         | 47             | 55             |
|                                                                                            | 2.0             | 3.0         | 0.34         | 6.1         | 41             | 48             |
|                                                                                            | 2.1             | 3.1         | 0.37         | 6.2         | 40             | 46             |
| U-10H<br> | 1.0             | 2.1         | 0.13         | 2.2         | 52             | 60             |
|                                                                                            | 1.5             | 2.6         | 0.15         | 2.6         | 47             | 55             |
|                                                                                            | 2.0             | 3.0         | 0.17         | 3.1         | 41             | 48             |
|                                                                                            | 2.1             | 3.1         | 0.19         | 3.1         | 40             | 46             |
| U-10Q<br> | 1.0             | 2.1         | 0.07         | 1.1         | 52             | 60             |
|                                                                                            | 1.5             | 2.6         | 0.08         | 1.3         | 47             | 55             |
|                                                                                            | 2.0             | 3.0         | 0.08         | 1.5         | 41             | 48             |
|                                                                                            | 2.1             | 3.1         | 0.09         | 1.6         | 40             | 46             |

### U12 Series

#### 23° Trajectory

| Nozzle                                                                                       | Pressure<br>psi | Radius<br>ft. | Flow<br>gpm | Precip<br>In/h | Precip<br>In/h |
|----------------------------------------------------------------------------------------------|-----------------|---------------|-------------|----------------|----------------|
| U-12F<br>  | 15              | 9             | 1.80        | 2.14           | 2.47           |
|                                                                                              | 20              | 10            | 2.10        | 2.02           | 2.34           |
|                                                                                              | 25              | 11            | 2.40        | 1.91           | 2.21           |
|                                                                                              | 30              | 12            | 2.60        | 1.74           | 2.01           |
| U-12H<br> | 15              | 9             | 0.90        | 2.14           | 2.47           |
|                                                                                              | 20              | 10            | 1.05        | 2.02           | 2.34           |
|                                                                                              | 25              | 11            | 1.20        | 1.91           | 2.21           |
|                                                                                              | 30              | 12            | 1.30        | 1.74           | 2.01           |
| U-12Q<br> | 15              | 9             | 0.45        | 2.14           | 2.47           |
|                                                                                              | 20              | 10            | 0.53        | 2.02           | 2.34           |
|                                                                                              | 25              | 11            | 0.60        | 1.91           | 2.21           |
|                                                                                              | 30              | 12            | 0.65        | 1.74           | 2.01           |

### U12 Series

#### METRIC

#### 23° Trajectory

| Nozzle                                                                                       | Pressure<br>bar | Radius<br>m | Flow<br>m³/h | Flow<br>l/m | Precip<br>mm/h | Precip<br>mm/h |
|----------------------------------------------------------------------------------------------|-----------------|-------------|--------------|-------------|----------------|----------------|
| U-12F<br>  | 1.0             | 2.7         | 0.40         | 6.8         | 55             | 63             |
|                                                                                              | 1.5             | 3.2         | 0.48         | 8.3         | 47             | 54             |
|                                                                                              | 2.0             | 3.6         | 0.59         | 9.7         | 46             | 53             |
|                                                                                              | 2.1             | 3.7         | 0.60         | 9.8         | 44             | 51             |
| U-12H<br> | 1.0             | 2.7         | 0.20         | 3.4         | 55             | 63             |
|                                                                                              | 1.5             | 3.2         | 0.24         | 4.2         | 47             | 54             |
|                                                                                              | 2.0             | 3.6         | 0.30         | 4.8         | 46             | 53             |
|                                                                                              | 2.1             | 3.7         | 0.30         | 4.9         | 44             | 51             |
| U-12Q<br> | 1.0             | 2.7         | 0.10         | 1.7         | 55             | 63             |
|                                                                                              | 1.5             | 3.2         | 0.12         | 2.1         | 47             | 54             |
|                                                                                              | 2.0             | 3.6         | 0.15         | 2.4         | 46             | 53             |
|                                                                                              | 2.1             | 3.7         | 0.15         | 2.5         | 44             | 51             |

### U15 Series

#### 23° Trajectory

| Nozzle                                                                                       | Pressure<br>psi | Radius<br>ft. | Flow<br>gpm | Precip<br>In/h | Precip<br>In/h |
|----------------------------------------------------------------------------------------------|-----------------|---------------|-------------|----------------|----------------|
| U-15F<br> | 15              | 11            | 2.60        | 2.07           | 2.39           |
|                                                                                              | 20              | 12            | 3.00        | 2.01           | 2.32           |
|                                                                                              | 25              | 14            | 3.30        | 1.62           | 1.87           |
|                                                                                              | 30              | 15            | 3.70        | 1.58           | 1.83           |
| U-15H<br> | 15              | 11            | 1.30        | 2.07           | 2.39           |
|                                                                                              | 20              | 12            | 1.50        | 2.01           | 2.32           |
|                                                                                              | 25              | 14            | 1.65        | 1.62           | 1.87           |
|                                                                                              | 30              | 15            | 1.85        | 1.58           | 1.83           |
| U-15Q<br> | 15              | 11            | 0.65        | 2.07           | 2.39           |
|                                                                                              | 20              | 12            | 0.75        | 2.01           | 2.32           |
|                                                                                              | 25              | 14            | 0.82        | 1.62           | 1.87           |
|                                                                                              | 30              | 15            | 0.92        | 1.58           | 1.83           |

### U15 Series

#### METRIC

#### 23° Trajectory

| Nozzle                                                                                       | Pressure<br>bar | Radius<br>m | Flow<br>m³/h | Flow<br>l/m | Precip<br>mm/h | Precip<br>mm/h |
|----------------------------------------------------------------------------------------------|-----------------|-------------|--------------|-------------|----------------|----------------|
| U-15F<br> | 1.0             | 3.4         | 0.60         | 9.8         | 52             | 60             |
|                                                                                              | 1.5             | 3.9         | 0.72         | 11.8        | 47             | 55             |
|                                                                                              | 2.0             | 4.5         | 0.84         | 13.7        | 41             | 48             |
|                                                                                              | 2.1             | 4.6         | 0.84         | 14.0        | 40             | 46             |
| U-15H<br> | 1.0             | 3.4         | 0.30         | 4.9         | 52             | 60             |
|                                                                                              | 1.5             | 3.9         | 0.36         | 5.9         | 47             | 55             |
|                                                                                              | 2.0             | 4.5         | 0.42         | 6.9         | 41             | 48             |
|                                                                                              | 2.1             | 4.6         | 0.42         | 7.0         | 40             | 46             |
| U-15Q<br> | 1.0             | 3.4         | 0.15         | 2.5         | 52             | 60             |
|                                                                                              | 1.5             | 3.9         | 0.18         | 2.9         | 47             | 55             |
|                                                                                              | 2.0             | 4.5         | 0.21         | 3.4         | 41             | 48             |
|                                                                                              | 2.1             | 4.6         | 0.21         | 3.5         | 40             | 46             |

Note: All U-Series nozzles tested on 4" (10.2 cm) pop-ups  
 Square spacing based on 50% diameter of throw  
 Triangular spacing based on 50% diameter of throw

Performance data taken in zero wind conditions  
 Radius refers to recommended product spacing. Actual radii along arc may vary