TECH SPECS

Plastic U-Series Nozzles

Use 30% Less Water*

The patented U-Series nozzle is the first plastic nozzle with a second orifice* for close-in watering and more uniform water distribution. Use up to 30% less water.** Its unique design cuts watering run times, saves water and money, and reduces waste.

Features

- **Additional orifice for close-in watering.** Minimizes dry spots around spray heads.
- **Low Scheduling Coefficient for efficient watering****
- **Matched precipitation rate between sets** and matched flow (gpm, m^3/h and l/s) and precipitation rates with 1800 Series MPR nozzles.
- **Greater flexibility.** Now, with the new 8' and 10' nozzles, a complete family of fixed arc U-Series nozzles.
- Fine mesh screen protects bottom orifice from debris
- Stainless steel adjustment screw to adjust flow and radius.
- Five year trade warranty
- Fits all Rain Bird sprinklers and shrub adapters

Operating Range

- Spacing: 5 to 15 feet (1,8 to 4,6)
- Pressure: 15 to 30 psi (1 to 2,1 bar)
- Optimum pressure: 30 psi (2,1 bar)

Models

New 8' and 10' Series

- U-8Q: 8-foot quarter-circle pattern nozzle
- U-8T: 8-foot one-third-circle pattern nozzle
- U-8H: 8-foot half-circle pattern nozzle
- U-8F: 8-foot full-circle pattern nozzle
- U-10Q: 10-foot quarter-circle pattern nozzles
- U-10T: 10-foot one-third-circle pattern nozzle
- U-10H: 10-foot half-circle pattern nozzle
- U-10F: 10-foot full-circle pattern nozzle
- U-12Q: 12-foot quarter-circle pattern nozzle
- U-12T: 12-foot one-third-circle pattern nozzle
- U-12H: 12-foot half-circle pattern nozzle
- U-12TT: 12-foot two-thirds-circle pattern nozzle
- U-12TQ: 12-foot three-quarter-circle pattern nozzle
- U-12F: 12-foot full-circle pattern nozzle
- U-15Q: 15-foot quarter-circle pattern nozzle
- U-15T: 15-foot one-third-circle pattern nozzle
- U-15H: 15-foot half-circle pattern nozzle
- U-15TT: 15-foot two-thirds-circle pattern nozzle
- U-15TQ: 15-foot three-quarter-circle pattern nozzle
- U-15F: 15-foot full-circle pattern nozzle

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.

How to Specify

1806-PRS-U-15Q

- **Model**
- **Optional Feature**
- **Nozzle Radius Pattern**

Note: *Specify sprinkler body and nozzles separately.*

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

** *Scheduling Coefficient (SC) measures the efficiency of spray heads. SC measures how much more you must water your ENTIRE area for the driest sections to receive sufficient water. The lower the SC, the better the spray heads distribute water.*

U8 Series Performance NEW

10° Trajectory

Nozzle	Pressure psi	Radius ft.	Flow GPM	Precip In/h ■	Precip In/h ▲
U-8F	15	5	0.74	2.07	2.39
	20	6	0.86	2.01	2.32
	25	7	0.96	1.62	1.87
	30	8	1.05	1.58	1.83
U-8H	15	5	0.37	2.07	2.39
	20	6	0.42	2.01	2.32
	25	7	0.47	1.62	1.87
	30	8	0.52	1.58	1.83
U-8T	15	5	0.25	2.07	2.39
	20	6	0.29	2.01	2.32
	25	7	0.32	1.62	1.87
	30	8	0.35	1.58	1.83
U-8Q	15	5	0.18	2.07	2.39
	20	6	0.21	2.01	2.32
	25	7	0.24	1.62	1,87
	30	8	0.26	1.58	1.83

U10 Series Performance NEW

12° Trajectory

Nozzle	Pressure psi	Radius ft.	Flow GPM	Precip In/h ■	Precip In/h ▲
U-10F	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	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-10T	15	7	0.39	2.07	2.39
	20	8	0.45	2.01	2.32
	25	9	0.50	1.62	1.87
	30	10	0.55	1.58	1.83
U-10Q	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

U12 Series Performance

23° Trajectory

Nozzle	Pressure psi	Radius ft.	Flow GPM	Precip In/h ■	Precip In/h ▲
U-12F	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-12TQ	15	9	1.35	2.14	2.47
	20	10	1.58	2.02	2.34
	25	11	1.80	1.91	2.21
	30	12	1.95	1.74	2.01
U-12TT	15	9	1.20	2.14	2.47
	20	10	1.40	2.02	2.34
	25	11	1.60	1.91	2.21
	30	12	1.74	1.74	2.01
U-12H	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-12T	15	9	0.60	2.14	2.47
	20	10	0.70	2.02	2.34
	25	11	0.80	1.91	2.21
	30	12	0.87	1.74	2.01
U-12Q	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

U15 Series Performance

23° Trajectory

Nozzle	Pressure psi	Radius ft.	Flow GPM	Precip In/h ■	Precip In/h ▲
U-15F	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-15TQ	15	11	1.95	2.07	2.39
	20	12	2.25	2.01	2.32
	25	14	2.48	1.62	1.87
	30	15	2.78	1.58	1.83
U-15TT	15	11	1.74	2.07	2.39
	20	12	2.01	2.01	2.32
	25	14	2.21	1.62	1.87
	30	15	2.48	1.58	1.83
U-15H	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-15T	15	11	0.87	2.07	2.39
	20	12	1.00	2.01	2.32
	25	14	1.10	1.62	1.87
	30	15	1.23	1.58	1.83
U-15Q	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

All U-Series nozzles tested on 4" (10,2) pop-ups. Performance data taken in zero wind conditions.

■ *Square spacing based on 50% diameter of throw.*

▲ *Triangular spacing based on 50% diameter of throw.*

***Note:** Radius reduction over 25% of the normal throw of the nozzle is not recommended.*

U8 Series Performance NEW METRIC

10° Trajectory

Nozzle	Pressure Bars	Radius m	Flow m³/h	Flow l/s	Precip mm/h ■	Precip mm/h ▲
U-8F	1,0	1,7	0,20	0,06	52	60
	1,5	2,1	0,22	0,06	47	55
	2,0	2,4	0,24	0,07	41	48
	2,1	2,4	0,24	0,07	40	46
U-8H	1,0	1,7	0,10	0,03	52	60
	1,5	2,1	0,11	0,03	47	55
	2,0	2,4	0,12	0,03	41	48
	2,1	2,4	0,12	0,03	40	46
U-8T	1,0	1,7	0,07	0,02	52	60
	1,5	2,1	0,07	0,02	47	55
	2,0	2,4	0,08	0,02	41	48
	2,1	2,4	0,08	0,02	40	46
U-8Q	1,0	1,7	0,05	0,01	52	60
	1,5	2,1	0,05	0,02	47	55
	2,0	2,4	0,06	0,02	41	48
	2,1	2,4	0,06	0,02	40	46

U10 Series Performance NEW METRIC

12° Trajectory

Nozzle	Pressure Bars	Radius m	Flow m³/h	Flow l/s	Precip mm/h ■	Precip mm/h ▲
U-10F	1,0	2,1	0,26	0,07	52	60
	1,5	2,6	0,31	0,09	47	55
	2,0	3,0	0,36	0,10	41	48
	2,1	3,1	0,37	0,10	40	46
U-10H	1,0	2,1	0,13	0,04	52	60
	1,5	2,6	0,16	0,04	47	55
	2,0	3,0	0,18	0,05	41	48
	2,1	3,1	0,19	0,05	40	46
U-10T	1,0	2,1	0,09	0,02	52	60
	1,5	2,6	0,11	0,03	47	55
	2,0	3,0	0,12	0,03	41	48
	2,1	3,1	0,12	0,03	40	46
U-10Q	1,0	2,1	0,06	0,02	52	60
	1,5	2,6	0,08	0,02	47	55
	2,0	3,0	0,09	0,03	41	48
	2,1	3,1	0,09	0,03	40	46

All U-Series nozzles tested on 4" (10,2) pop-ups.
Performance data taken in zero wind conditions.
■ *Square spacing based on 50% diameter of throw.*
▲ *Triangular spacing based on 50% diameter of throw.*
Note: *Radius reduction over 25% of the normal throw of the nozzle is not recommended.*

U12 Series Performance METRIC

23° Trajectory

Nozzle	Pressure Bars	Radius m	Flow m³/h	Flow l/s	Precip mm/h ■	Precip mm/h ▲
U-12F	1,0	2,7	0,40	0,11	55	63
	1,5	3,2	0,48	0,14	47	54
	2,0	3,6	0,59	0,16	46	53
	2,1	3,7	0,60	0,16	44	51
U-12TQ	1,0	2,7	0,30	0,09	55	63
	1,5	3,2	0,36	0,10	47	54
	2,0	3,6	0,45	0,12	46	53
	2,1	3,7	0,45	0,12	44	51
U-12TT	1,0	2,7	0,26	0,08	55	63
	1,5	3,2	0,32	0,09	47	54
	2,0	3,6	0,40	0,11	46	53
	2,1	3,7	0,40	0,11	44	51
U-12H	1,0	2,7	0,20	0,06	55	63
	1,5	3,2	0,24	0,07	47	54
	2,0	3,6	0,30	0,08	46	53
	2,1	3,7	0,30	0,08	44	51
U-12T	1,0	2,7	0,13	0,04	55	63
	1,5	3,2	0,16	0,05	47	54
	2,0	3,6	0,2	0,05	46	53
	2,1	3,7	0,2	0,05	44	51
U-12Q	1,0	2,7	0,10	0,03	55	63
	1,5	3,2	0,12	0,03	47	54
	2,0	3,6	0,15	0,04	46	53
	2,1	3,7	0,15	0,04	44	51

All U-Series nozzles tested on 4" (10,2) pop-ups. Performance data taken in zero wind conditions.
■ *Square spacing based on 50% diameter of throw.*
▲ *Triangular spacing based on 50% diameter of throw.*
Note: *Radius reduction over 25% of the normal throw of the nozzle is not recommended.*

U15 Series Performance METRIC

23° Trajectory

Nozzle	Pressure Bars	Radius m	Flow m³/h	Flow l/s	Precip mm/h ■	Precip mm/h ▲
U-15F	1,0	3,4	0,60	0,16	52	60
	1,5	3,9	0,72	0,19	47	55
	2,0	4,5	0,84	0,23	41	48
	2,1	4,6	0,84	0,23	40	46
U-15TQ	1,0	3,4	0,45	0,12	52	60
	1,5	3,9	0,54	0,15	47	55
	2,0	4,5	0,63	0,17	41	48
	2,1	4,6	0,63	0,18	40	46
U-15TT	1,0	3,4	0,40	0,11	52	60
	1,5	3,9	0,48	0,13	47	55
	2,0	4,5	0,55	0,15	41	48
	2,1	4,6	0,56	0,16	40	46
U-15H	1,0	3,4	0,30	0,08	52	60
	1,5	3,9	0,36	0,10	47	55
	2,0	4,5	0,42	0,11	41	48
	2,1	4,6	0,42	0,12	40	46
U-15T	1,0	3,4	0,20	0,05	52	60
	1,5	3,9	0,24	0,07	47	55
	2,0	4,5	0,28	0,08	41	48
	2,1	4,6	0,28	0,08	40	46
U-15Q	1,0	3,4	0,15	0,04	52	60
	1,5	3,9	0,18	0,05	47	55
	2,0	4,5	0,21	0,06	41	48
	2,1	4,6	0,21	0,06	40	46

Specifications

The nozzle shall have a fixed arc of _____ degrees (_____ circle) and shall be capable of covering a _____ feet radius (FT. RAD.)/(meter) at _____ pounds per square inch (psi)/(Bars) with a discharge rate of _____ gallons per minute, (GPM)/(m^3/h, l/s). The angle of trajectory shall be _____ degrees.

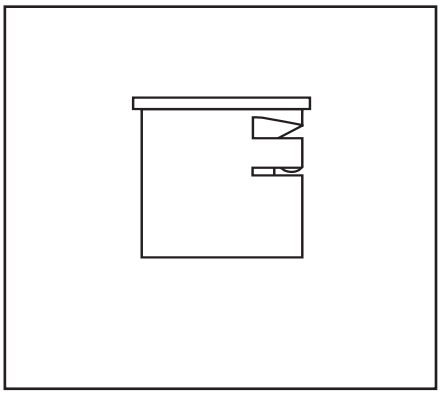
The nozzle shall have dual orifices for both in-close watering and standard pattern watering. The lower orifice shall be a labyrinth type orifice to assure correct distribution of water close to the spray head.

The nozzle shall be constructed of UV-resistant plastic. The radius adjustment screw shall be of stainless steel.

The part-circle nozzle shall accept the blue finer mesh screen and the full-circle nozzle shall accept the 1800 Series filter screen to protect nozzles against clogging and to allow for radius adjustment.

The nozzle shall have a precipitation rate matched with other 1800 Series MPR nozzles.

The nozzle shall be as manufactured by Rain Bird Corporation, Glendora, California.



The Intelligent Use of Water™

At Rain Bird, we believe it is our responsibility to develop products and technologies that use water efficiently. Our commitment also extends to education, training and services for our industry and our communities.

The need to conserve water has never been greater. We want to do even more, and with your help, we can. Visit **www.rainbird.com** for more information about The Intelligent Use of Water.™

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