

UNI-Spray™ Series The Universal Spray Head

Primary Application

The UNI-Spray™ is designed for those applications where flexibility and convenience are primary considerations. These reliable, compact spray heads are shipped with or without pre-installed Variable Arc Nozzles (VANs) that are adjustable from 0° to full circle operation, saving hours of installation time, effort and money.

Features

- Pressure-activated, wiper seal prevents excessive flow-by and water waste. Keeps debris from entering upon retraction.
- Durable stem ratchet allows for quick and easy nozzle pattern alignment.
- Internal parts removable from the top of the sprinkler for easy servicing.
- Small exposed cover makes the unit virtually invisible for more attractive landscapes.
- Rugged cover and body provide durability in high pressure and surge conditions.
- Plastic and stainless steel materials resist corrosion.
- Economical, 6-inch (15,2 cm) pop-up model provides for unobstructed watering of today's taller turf grass varieties.
- VAN nozzle and screen are easily removable for flushing.
- UNI-Spray™ accepts all Rain Bird® Series nozzles and accessories, which simplifies inventory management.
- Optional field installable Seal-A-Matic™ check valve prevents low head drainage up to five feet (1,5 m) of elevation difference.
- Three-year trade warranty.

Operating Range

- Spacing: 10 VAN Series: 8 to 10 feet (2,4 to 3,0 m)
- 12 VAN Series: 10 to 12 feet (3,0 to 3,7 m)
- 15 VAN Series: 12 to 15 feet (3,7 to 4,6 m)
- 18 VAN Series: **NEW!** 14 to 18 feet (4,3 to 5,5 m)
- Pressure: 15 to 70 psi (1,0 to 4,8 bar)
- Optimum Pressure: 30 psi (2 bar)
- Adjustable nozzle arc range: 0° -360°

Specifications

- Flow-by: 0 at 10 psi (0,75 bar) or greater; 0.50 GPM (0,11 m³/h; 0,03 l/s) otherwise

Dimensions

- ½" (15/21) NPT female threaded inlet
- Body height:
US-200: 3¾" (9,5 cm)
US-400: 5¾" (14,9 cm)
US-600: 8¾" (21 cm)
- Exposed surface diameter:
1¼" (3,2 cm)

Models*

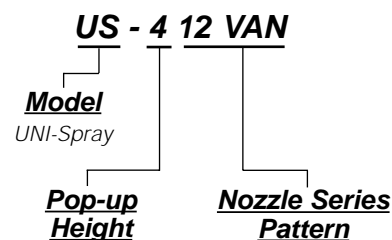
- US-200:2" pop-up height (5,1 cm)
- US-400:4" pop-up height (10,2 cm)
- US-600:6" pop-up height (15,2 cm)
- US-210 VAN:2" pop-up height (5,1 cm) with 10- VAN attached
- US-410 VAN:4" pop-up height (10,2 cm) with 10-VAN attached
- US-610 VAN:6" pop-up height (15,2 cm) with 10-VAN attached
- US-212 VAN:2" pop-up height (5,1 cm) with 12- VAN attached
- US-412 VAN:4" pop-up height (10,2 cm) with 12-VAN attached
- US-612 VAN:6" pop-up height (15,2 cm) with 12-VAN attached
- US-215 VAN:2" pop-up height (5,1 cm) with 15-VAN attached
- US-415 VAN:4" pop-up height (10,2 cm) with 15-VAN attached
- US-615 VAN:6" pop-up height (15,2 cm) with 15- VAN attached
- US-218 VAN:2" pop-up height (5,1 cm) with 18- VAN attached
- US-418 VAN:4" pop-up height (10,2 cm) with 18-VAN attached
- US-618 VAN:6" pop-up height (15,2 cm) with 18-VAN attached
- US-SAM:UNI-Spray™ check valve

*The UNI-Spray™ sprinkler body accepts all Rain Bird nozzles.

For performance data of other Rain Bird nozzles, see the Landscape Irrigation Products Catalog-Sprays Section.



How to Specify/Order:



This specifies a UNI-Spray body with a 4" (10.3 cm) pop-up height; 12 foot (3.6) variable arc nozzle (VAN)



UNI-Spray™ Series Performance Tables

10 Series VAN

US-210 VAN, US-410 VAN, US-610 VAN

10° Trajectory

Nozzle	Pressure psi	Radius ft.	Flow gpm	Precip. in/h	Precip. mm/h
360° Arc	15	7	1.93	3.80	4.39
	20	8	2.32	3.50	4.04
	25	9	2.52	3.00	3.46
	30	10	2.60	2.50	2.89
270° Arc	15	7	1.45	3.80	4.39
	20	8	1.75	3.50	4.04
	25	9	1.89	3.00	3.46
	30	10	2.10	2.70	3.12
180° Arc	15	7	0.97	3.80	4.39
	20	8	1.20	3.50	4.04
	25	9	1.26	3.00	3.46
	30	10	1.45	2.80	3.23
90° Arc	15	7	0.48	3.80	4.39
	20	8	0.58	3.50	4.04
	25	9	0.63	3.00	3.46
	30	10	0.75	2.90	3.35

METRIC

10° Trajectory

Nozzle	Pressure bar	Radius m	Flow m ³ /h	Flow l/s	Precip. mm/h	Precip. mm/h
360° Arc	1.0	2.1	0.44	0.12	96	111
	1.5	2.4	0.53	0.15	89	103
	2.0	2.7	0.57	0.16	76	88
	2.1	3.1	0.59	0.16	63	73
270° Arc	1.0	2.1	0.33	0.09	96	111
	1.5	2.4	0.40	0.11	89	103
	2.0	2.7	0.43	0.12	76	88
	2.1	3.1	0.48	0.13	68	79
180° Arc	1.0	2.1	0.22	0.06	96	111
	1.5	2.4	0.27	0.08	89	103
	2.0	2.7	0.29	0.08	76	88
	2.1	3.1	0.33	0.09	71	82
90° Arc	1.0	2.1	0.11	0.03	96	111
	1.5	2.4	0.13	0.04	89	103
	2.0	2.7	0.14	0.04	76	88
	2.1	3.1	0.17	0.05	73	85

15 Series VAN

US-215 VAN, US-415 VAN, US-615 VAN

23° Trajectory

Nozzle	Pressure psi	Radius ft.	Flow gpm	Precip. in/h	Precip. mm/h
360° Arc	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
270° Arc	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
180° Arc	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
90° Arc	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

METRIC

23° Trajectory

Nozzle	Pressure bar	Radius m	Flow m ³ /h	Flow l/s	Precip. mm/h	Precip. mm/h
360° Arc	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
270° Arc	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
180° Arc	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
90° Arc	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

12 Series VAN

US-212 VAN, US-412 VAN, US-612 VAN

15° Trajectory

Nozzle	Pressure psi	Radius ft.	Flow gpm	Precip. in/h	Precip. mm/h
360° Arc	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
270° Arc	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
180° Arc	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
90° Arc	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

METRIC

15° Trajectory

Nozzle	Pressure bar	Radius m	Flow m ³ /h	Flow l/s	Precip. mm/h	Precip. mm/h
360° Arc	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
270° Arc	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
180° Arc	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
90° Arc	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

18 Series VAN **NEW!**

US-218 VAN, US-418 VAN, US-618 VAN

26° Trajectory

Nozzle	Pressure psi	Radius ft.	Flow gpm	Precip. in/h	Precip. mm/h
360° Arc	15	14	4.21	2.07	2.39
	20	15	4.70	2.01	2.32
	25	17	4.86	1.62	1.87
	30	18	5.32	1.58	1.83
270° Arc	15	14	3.16	2.07	2.39
	20	15	3.52	2.01	2.32
	25	17	3.65	1.62	1.87
	30	18	3.99	1.58	1.83
180° Arc	15	14	2.11	2.07	2.39
	20	15	2.35	2.01	2.32
	25	17	2.43	1.62	1.87
	30	18	2.66	1.58	1.83
90° Arc	15	14	1.05	2.07	2.39
	20	15	1.17	2.01	2.32
	25	17	1.22	1.62	1.87
	30	18	1.33	1.58	1.83

METRIC

26° Trajectory

Nozzle	Pressure bar	Radius m	Flow m ³ /h	Flow l/s	Precip. mm/h	Precip. mm/h
360° Arc	1.0	4.3	0.96	0.27	52	60
	1.5	4.8	1.07	0.30	47	55
	2.0	5.4	1.20	0.33	41	48
	2.1	5.5	1.21	0.34	40	46
270° Arc	1.0	4.3	0.72	0.20	52	60
	1.5	4.8	0.80	0.22	47	55
	2.0	5.4	0.90	0.25	41	48
	2.1	5.5	0.91	0.25	40	46
180° Arc	1.0	4.3	0.48	0.13	52	60
	1.5	4.8	0.54	0.15	47	55
	2.0	5.4	0.60	0.17	41	48
	2.1	5.5	0.61	0.17	40	46
90° Arc	1.0	4.3	0.24	0.07	52	60
	1.5	4.8	0.27	0.08	47	55
	2.0	5.4	0.30	0.08	41	48
	2.1	5.5	0.30	0.08	40	46

Performance data derived from tests that conform with ASAE Standards, ASAE S398.1.

- Square spacing based on 50% diameter of throw
- ▲ Triangular spacing based on 50% diameter of throw

Rain Bird Corporation - Contractor Division

970 West Sierra Madre Avenue, Azusa, CA 91702
Phone: (626) 963-9311 Fax: (626) 812-3411, (626) 812-3608

Rain Bird Corporation - Commercial Division

4261 South Country Club Road, Tucson, AZ 85714
Phone: (520) 741-6100 Fax: (520) 741-6146

Rain Bird International, Inc.

145 North Grand Avenue, Glendora, CA 91740
Phone: (626) 852-7100 Fax: (626) 963-4287

Rain Bird Technical Services

(800) 247-3782 (U.S. only)

Specification Hotline

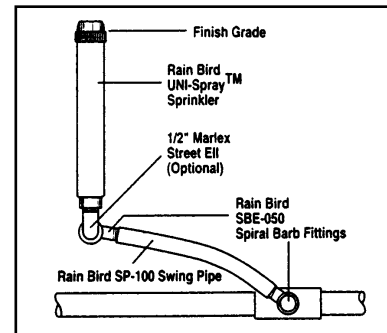
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Rain Bird. Conserving More Than Water

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Performance Installation Method



Turning the radius reduction screw may be required to achieve catalog radius and flow when the arc is set at less than full circle.