

### 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 (15,4 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: 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" (9,6 cm)  
US-400: 5⅞" (15 cm)  
US-600: 8¼" (21 cm)
- Exposed surface diameter: 1¼" (3,2 cm)

#### Models\*

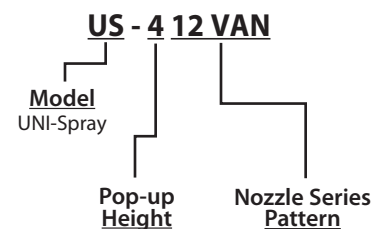
- US-400: 4" pop-up height (10,3 cm)
- US-600: 6" pop-up height (15,4 cm)
- US-410 VAN: 4" pop-up height (10,3 cm) with 10-VAN attached
- US-610 VAN: 6" pop-up height (15,4 cm) with 10-VAN attached
- US-212 VAN: 2" pop-up height (5,1 cm) with 12-VAN attached
- US-412 VAN: 4" pop-up height (10,3 cm) with 12-VAN attached
- US-612 VAN: 6" pop-up height (15,4 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 (10,3 cm) with 15-VAN attached
- US-615 VAN: 6" pop-up height (15,4 cm) with 15-VAN attached
- US-418 VAN: 4" pop-up height (10,3 cm) with 18-VAN attached
- US-618 VAN: 6" pop-up height (15,4 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 m) variable arc nozzle (VAN)



# UNI-Spray™ Series Performance Tables

10 Series 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	
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	
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	
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		

10 Series VAN							METRIC	
10° Trajectory								
Nozzle	Pressure bar	Radius m	Flow m <sup>3</sup> /h	Flow l/m	Precip mm/h	Precip mm/h		
360° Arc	1.0	2.1	0.44	7.3	96	111		
	1.5	2.4	0.53	9.0	89	103		
	2.0	2.7	0.57	9.8	76	88		
270° Arc	1.0	2.1	0.33	5.5	96	111		
	1.5	2.4	0.4	6.8	89	103		
	2.0	2.7	0.43	7.8	76	88		
180° Arc	1.0	2.1	0.22	3.7	96	111		
	1.5	2.4	0.27	4.6	89	103		
	2.0	2.7	0.29	5.3	76	88		
90° Arc	1.0	2.1	0.11	1.8	96	111		
	1.5	2.4	0.13	2.3	89	103		
	2.0	2.7	0.14	2.7	76	88		
2.1	3.1	0.17	2.8	73	85			

15 Series 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	
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	
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	
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		

15 Series VAN							METRIC	
23° Trajectory								
Nozzle	Pressure bar	Radius m	Flow m <sup>3</sup> /h	Flow l/m	Precip mm/h	Precip mm/h		
360° Arc	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		
270° Arc	1.0	3.4	0.45	7.4	52	60		
	1.5	3.9	0.54	8.8	47	55		
	2.0	4.5	0.63	10.3	41	48		
180° Arc	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		
90° Arc	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			

12 Series 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	
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	
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	
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		

12 Series VAN							METRIC	
15° Trajectory								
Nozzle	Pressure bar	Radius m	Flow m <sup>3</sup> /h	Flow l/m	Precip mm/h	Precip mm/h		
360° Arc	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		
270° Arc	1.0	2.7	0.30	5.1	55	63		
	1.5	3.2	0.36	6.3	47	54		
	2.0	3.6	0.45	7.3	46	53		
180° Arc	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		
90° Arc	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			

18 Series 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	
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	
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	
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		

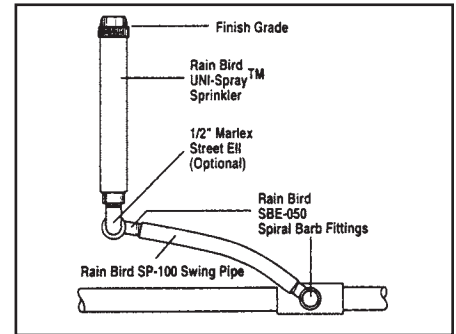
18 Series VAN							METRIC	
26° Trajectory								
Nozzle	Pressure bar	Radius m	Flow m <sup>3</sup> /h	Flow l/m	Precip mm/h	Precip mm/h		
360° Arc	1.0	4.3	0.96	15.9	52	60		
	1.5	4.8	1.07	18.0	47	55		
	2.0	5.4	1.20	19.8	41	48		
270° Arc	1.0	4.3	0.72	12.0	52	60		
	1.5	4.8	0.80	13.5	47	55		
	2.0	5.4	0.90	14.8	41	48		
180° Arc	1.0	4.3	0.48	8.0	52	60		
	1.5	4.8	0.54	9.0	47	55		
	2.0	5.4	0.60	9.9	41	48		
90° Arc	1.0	4.3	0.24	4.0	52	60		
	1.5	4.8	0.27	4.5	47	55		
	2.0	5.4	0.30	5.0	41	48		
2.1	5.5	0.30	5.0	40	46			

Note: Turning the radius reduction screw may be required to achieve catalog radius and flow when the arc is set at less than maximum arc

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

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

## 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.

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### Technical Service and Support

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### Specification Hotline

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