



1/2" Full Circle 23° Standard 50-23



1/2" Full Circle 15° 50-15

**Materials**

- Body & Arm: Bronze
- Bearing Sleeve & Nipple: Brass
- Springs & Pivot Pin: Stainless Steel
- Washers: Neoprene Rubber /PTFE/ High performance PE
- Wedge (50-23WD): Delrin

**Applications**

- Used in solid set systems- permanent or portable.
- Center pivots, and other agricultural fields or landscape applications where reliability is essential.
- For long-term use on row crop irrigation systems.

**Features & Benefits**

- True bronze body and arm allowing to bend rather than to break.
- Premium quality washers attribute to longer life and trouble-free rotation. All washers are chemical, corrosion and grit resistant.
- Lower washer is sleeved under bearing nut for assured no leak performance.
- Unique female nozzle thread accepts most other nozzle brands allowing easy nozzle replacement in the field.

**1/2" Full Circle 23° Standard 50-23**

Nozzle Pressure	3/32"		7/64"		1/8"		9/64"	
	gpm	ft.	gpm	ft.	gpm	ft.	gpm	ft.
30	1.27	68	1.90	69	2.38	70	3.12	71
35	1.37	72	2.04	72	2.51	73	3.47	74
40	1.48	74	2.25	75	2.72	76	3.73	77
45	1.56	75	2.38	77	2.78	78	4.02	79
50	1.67	77	2.43	78	3.07	79	4.13	80
55	1.72	78	2.59	79	3.20	80	4.23	81
60	1.80	79	2.78	80	3.33	81	4.29	82
65	1.88	80	2.86	81	3.47	82	4.50	83

**1/2" Full Circle 15° 50-15**

Nozzle Pressure	3/32"		7/64"		1/8"		9/64"	
	gpm	ft.	gpm	ft.	gpm	ft.	gpm	ft.
30	1.26	66	1.9	70	2.38	70	3.13	72
35	1.38	66	2.04	70	2.52	70	3.47	74
40	1.48	68	2.24	70	2.72	74	3.74	74
45	1.56	68	2.38	72	2.79	74	4.01	76
50	1.66	70	2.45	72	3.06	74	4.18	76
55	1.72	70	2.58	74	3.20	76	4.22	78
60	1.79	72	2.79	74	3.33	78	4.28	78
65	1.88	74	2.86	76	3.47	78	4.49	80

Note: Spray diameter in feet.

# V-Rain<sup>®</sup> Metal Sprinklers

## Applications

### Wedge Drive

- Well suited for solid set permanent systems.
- Excellent for row crops where fast rotation at low pressure is essential such as frost protection in vines and over trees
- Runs efficiently on smaller nozzles and lower pressures.

### Dual Nozzle

- Designed for increased precipitation rate and spacing.
- For continuous spraying such as cow washing.



1/2" Wedge Drive 23° 50-23WD



1/2" Dual Nozzle 23°x 7° 50-WSL

## Features & Benefits

- Wedge drive (WD) in 23° trajectory angle and smaller nozzles allow standard application and low-flow frost protection.
- Dual Nozzle has a wide range spoon to allow multiple nozzle trajectories.
- Has the features and benefits of the materials used in model 50-23.

Wedge Drive Model 50-23WD

Nozzle Pressure	50D		5/64"		3/32"		7/64"	
	gpm	ft.	gpm	ft.	gpm	ft.	gpm	ft.
25	0.70	60	0.88	61	1.27	67	1.73	69
30	0.78	61	0.97	62	1.39	68	1.90	70
35	0.84	62	1.05	63	1.50	69	2.05	72
40	0.90	63	1.12	64	1.61	70	2.19	74
45	0.95	64	1.19	66	1.71	71	2.32	75
50	1.00	65	1.25	67	1.80	72	2.45	75
55	1.05	66	1.31	68	1.89	73	2.57	76
60	1.10	66	1.37	68	1.97	74	2.68	77

Sprinkler Part #s

1/2" 23° Full Circle	50-23-XXXX
1/2" Dual Nozzle	50-WSL-XXXX-XXXX
1/2" 15° Full Circle	50-15-XXXX
1/2" 23° Wedge Drive	50-23WD-XXXX

Example: 1/2" Sprinkler with 1/8" Nozzle  
50-23-0108

Example: 1/2" Sprinkler with 7/64" x 3/32"  
50-WSL-0764-0332

Dual Nozzle 50-WSL

Nozzle Pressure	7/64"x3/32"		1/8"x3/32"		9/64"x3/32"		5/32"x3/32"	
	gpm	ft.	gpm	ft.	gpm	ft.	gpm	ft.
25	2.98	53.9	3.50	55.8	3.98	58.5	4.60	59.8
30	3.20	54.9	3.79	56.9	4.19	60.0	4.98	60.9
35	3.56	55.8	4.03	57.8	4.41	60.3	5.20	62.2
40	3.77	56.7	4.28	58.5	4.78	61.2	4.35	63.2
45	3.97	57.8	4.58	59.8	5.20	62.1	5.68	63.9
50	4.17	59.1	4.95	60.4	5.60	62.9	6.18	64.2
55	4.37	59.2	5.29	60.9	6.00	63.7	6.58	65.7

Note: Spray diameter in feet.

Valplastic USA, LLC.

820 S. Rockefeller Ave., Unit D  
Ontario, CA 91761, U.S.A.

Tel: (909) 390-9600, (866) 2-VALUSA

Fax: (909) 390-9604

[www.valplasticusa.com](http://www.valplasticusa.com)