



1/2" Standard 24° 50-24P

Applications

Standard (50-24P)

- Used for growing row crops, flowers and nursery plants.

Low Angle (50-12LP / 50-9LP)

- Used in orchards, plantations, and vineyards where it is important to avoid hitting foliage and fruits.

Features & Benefits

- Available in 1/2" male threaded connection and in 24°, 12°, and 9° trajectory angles.
- Especially designed bayonet nozzles, color coded for ease of replacement.
- Built-in stream-straightening vane for maximum coverage.
- Body, arm, bearing and nozzles made of specialty plastic (Delrin) for durability against corrosion, chemicals and harmful UV radiation.

Materials

Body & Arm, Bearing & Nozzles	Engineering Plastic (Delrin)
Springs & Pivot Pin	Stainless Steel
Washers	Neoprene Rubber, graphite PTFE



Plastic Model 50-24P								
Nozzle Pressure	7/64"x 9/128"		1/8"x 9/128"		9/64" x 3/32"		5/32"x 3/32"	
	gpm	ft.	gpm	ft.	gpm	ft.	gpm	ft.
30	2.96	68	3.20	70	4.35	78	5.15	80
35	3.10	69	3.33	70	4.72	80	5.60	81
40	3.33	70	3.60	73	4.95	80	6.00	82
45	3.56	72	3.80	75	5.28	82	6.30	84
50	3.76	72	3.95	76	5.60	83	6.61	85

Note: Spray diameter in feet.

Val-Rain® Plastic Sprinklers



1/2" Low Angle 12° 50-12LP

Plastic Model 50-09LP									
Nozzle Pressure	3/32"		7/64"		1/8"		9/64"		
psi	gpm	ft.	gpm	ft.	gpm	ft.	gpm	ft.	
25	1.54	48	2.00	52	2.12	54	2.86	57	
30	1.66	50	2.12	53	2.30	55	3.09	58	
35	1.78	52	2.29	54	2.48	56	3.31	59	
40	1.91	54	2.46	55	2.67	58	3.55	60	
45	2.02	54	2.60	57	2.82	60	3.76	62	
50	2.12	55	2.72	58	2.98	60	3.93	62	

Plastic Model 50-12LP									
Nozzle Pressure	3/32"		7/64"		1/8"		9/64"		
psi	gpm	ft.	gpm	ft.	gpm	ft.	gpm	ft.	
25	1.53	50	1.95	54	2.10	56	2.82	58	
30	1.65	51	2.13	56	2.30	58	3.09	60	
35	1.78	52	2.29	57	2.48	60	3.30	62	
40	1.90	54	2.44	58	2.66	62	3.55	64	
45	2.05	55	2.60	60	2.82	63	3.76	66	
50	2.12	58	2.72	62	2.97	64	3.93	68	

Note: Spray diameter in feet.

Nozzles

Green:	9/128"	(1.8 mm)
Purple:	3/32"	(2.5 mm)
Orange:	7/64"	(2.8 mm)
Red:	1/8"	(3.0 mm)
Blue:	9/64"	(3.5 mm)
Black:	5/32"	(4.0 mm)
Black:	Plug	

Sprinkler Part #s	
1/2" 12° Low Angle	50-12LP-XXXX
1/2" 24° Dual Nozzle	50-24P-XXXX-XXXX

Example: 1/2" Plastic Low Angle with 9/64" Nozzle
50-12LP-0964

Example: 1/2" Plastic Dual Nozzle with 7/64" x 3/32"
50-24P-0764-0332



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