



PLASTIC IMPACT SPRINKLERS

- Made From Engineering Grade Plastic for Durability
- Secure ½" Male Threaded Connection Prevents Leakage
- Stainless Steel Spring and Fulcrum Pin for Reliability
- Specially Designed Bayonet Nozzles for Ease of Service
- Available in Low Angle with Standard or Wedge Drive and Part Circle
- Color-Coded Nozzles for Easy Flow Identification



irritec[®]
don't wait for rain[®]

CHARACTERISTICS AND ADVANTAGES:

- Body, arm bearing and nozzles made from engineering grade plastic (Delrin) for long life durability.
- Stainless steel spring and fulcrum pin provide reliable operation.
- 1/2" male threaded for secure connection with no leakage.
- Color coded nozzles for easy flow identification.
- Available with standard drive, wedge drive and part circle options.
- Part circle sprinkler has 25° trajectory and low angle has 12° trajectory.
- Part circle sprinkler operation range from 15° to 345°.
- Recommended filtration: 75 mesh



Applications:



TECHNICAL INFORMATION:

Part Circle - 25° Trajectory Discharge and Coverage Performance								
Nozzle Pressure	7/64" Orange Nozzle		1/8" Green Nozzle		9/64" Blue Nozzle		5/32" Black Nozzle	
	Discharge Rate	Coverage Diameter	Discharge Rate	Coverage Diameter	Discharge Rate	Coverage Diameter	Discharge Rate	Coverage Diameter
25 psi	1.95 GPM	54.4'	2.10 GPM	56.0'	2.82 GPM	57.8'	3.50 GPM	75.8'
30 psi	2.13 GPM	56.0'	2.30 GPM	57.9'	3.09 GPM	60.0'	3.80 GPM	78.8'
35 psi	2.29 GPM	57.2'	2.48 GPM	59.8'	3.30 GPM	62.1'	4.10 GPM	80.8'
40 psi	2.44 GPM	58.1'	2.66 GPM	61.6'	3.55 GPM	64.2'	4.40 GPM	82.8'
45 psi	2.60 GPM	59.9'	2.82 GPM	63.0'	3.76 GPM	66.1'	4.70 GPM	84.8'
50 psi	2.72 GPM	61.9'	2.97 GPM	64.2'	3.93 GPM	67.6'	4.90 GPM	85.8'

Low Angle - 12° Trajectory Discharge and Coverage Performance						
Nozzle Pressure	3/32" Purple Nozzle		7/64" Orange Nozzle		1/8" Green Nozzle	
	Discharge Rate	Coverage Diameter	Discharge Rate	Coverage Diameter	Discharge Rate	Coverage Diameter
25 psi	1.53 GPM	49.8'	1.95 GPM	54.4'	2.10 GPM	56.0'
30 psi	1.65 GPM	51.1'	2.13 GPM	56.0'	2.30 GPM	57.9'
35 psi	1.78 GPM	52.2'	2.29 GPM	57.2'	2.48 GPM	59.8'
40 psi	1.90 GPM	53.5'	2.44 GPM	58.1'	2.66 GPM	61.6'
45 psi	2.05 GPM	55.2'	2.60 GPM	59.9'	2.82 GPM	63.0'
50 psi	2.12 GPM	57.8'	2.72 GPM	61.9'	2.97 GPM	64.2'
Stream Height	31"		35"		41"	

NOTE: Performance based on ideal conditions of temperature, wind velocity and humidity.

Low Angle - 12° Trajectory Wedge Discharge and Coverage Performance						
Nozzle Pressure	.071" Green Nozzle		5/64" White Nozzle		.087" Brown Nozzle	
	Discharge Rate	Coverage Diameter	Discharge Rate	Coverage Diameter	Discharge Rate	Coverage Diameter
20 psi	0.65 GPM	48'	0.80 GPM	50'	0.91 GPM	49'
30 psi	0.80 GPM	52'	0.98 GPM	55'	1.11 GPM	54'
40 psi	0.93 GPM	55'	1.13 GPM	57'	1.28 GPM	57'
50 psi	1.04 GPM	58'	1.27 GPM	58'	1.44 GPM	59'
60 psi	1.14 GPM	58'	1.39 GPM	62'	1.57 GPM	64'
Stream Height	31"		35"		41"	

Part Circle Uniformity				
Spacing	CU	DU	SC (5%)	APR
9' x 9'	91%	91%	1.1	8.5
10' x 10'	90%	84%	1.3	6.9
11' x 11'	88%	81%	1.3	5.7
10' x 12'	88%	82%	1.3	5.8
12' x 12'	89%	85%	1.2	4.8

Low Angle Uniformity				
Spacing	CU	DU	SC (5%)	APR
8' x 8'	87%	80%	1.1	7.0
9' x 9'	83%	76%	1.1	5.6
8' x 10'	83%	76%	1.1	5.6
9' x 10'	83%	81%	1.2	5.0
10' x 10'	85%	82%	1.2	4.5

ORDERING INFORMATION:

Part Circle - 25° Trajectory

1/2" Connection - Standard Drive

Part Number	Nozzle	Box Qty	Box Wt
B7-5029-0764	7/64" - Orange	200	34 lbs.
B7-5029-0118	.118" - Red	200	34 lbs.
B7-5029-0018	1/8" - Green	200	34 lbs.
B7-5029-0964	9/64" - Blue	200	34 lbs.
B7-5029-0532	5/32" - Black	200	34 lbs.



Low Angle - 12° Trajectory

1/2" Connection - Standard Drive

Part Number	Nozzle	Box Qty	Box Wt
B7-5012-0332	3/32" - Purple	200	36 lbs.
B7-5012-0764	7/64" - Orange	200	36 lbs.
B7-5012-0018	1/8" - Green	200	36 lbs.



Low Angle - 12° Trajectory

1/2" Connection - Wedge Drive

Part Number	Nozzle	Box Qty	Box Wt
B7-5012-W0071	.071" - Green	200	34 lbs.
B7-5012-W0564	5/64" - White	125	30 lbs.
B7-5012-W0087	.087" - Brown	200	34 lbs.



Sprinkler Nozzles

Part Number	Description
B7-5012N0564	5/64" Nozzle White (12° Only)
B7-5012N0332	3/32" Nozzle Purple (12° Only)
B7-5012N0764	7/64" Nozzle Orange (12° Only)
B7-5012N0018	1/8" Nozzle Green (12° Only)
B7-5023N0964	9/64" Nozzle Blue
B7-5023N0532	5/32" Nozzle Black
B7-5012PLUG	Black Plug



IRRITEC SYSTEM COMPONENTS:

Irritec offers the following system components - Polyethylene (PE) tubing, Filters, Valves, Air Vents, and Pressure Regulators. Refer to the Irritec Price List for additional components, ordering information and pricing.



Polyethylene (PE) tubing is manufactured with state of the art extrusion equipment for high quality and durability.



Filters offer the best protection for every irrigation system. Choose from sand media, stainless steel screen and disc filters.



Valves include Ball, Pressure Relief and Shut Off all of which are manufactured from high quality materials and offer superior reliability.



Air Vents provide air relief for maximum system protection. **Pressure Regulators** are known for accuracy and reliable performance.