

2045-PJ

1/2" 13mm Full or Part Circle, Plastic Impact Sprinkler

- Durable Delrin™ plastic, body arm, bearing sleeve, nipple and break up pin
- Stainless steel springs and fulcrum pin
- Chemically resistant washers

Features

- Plastic Quick Fit Nozzles
- Low Angle (10°) Nozzles available
- Integral straightening vane for greater distance
- Full or Part Circle operation

Benefits

- Superior chemical and grit resistance
- Smooth rotation at lower pressures
- Design flexibility
- Built to last
- Two-year Customer Satisfaction Policy

Specifications

- Bearing: 1/2" (13mm) Male NPT, Plastic
- Trajectory Angle: Standard 23°
Low Angle 10° available.
- Operating Range: 25-60 psi (1.7-4.1 bar)
- Flow Rate: 1.5-8.4 gpm (0.34-1.91 m³/h)
- Radius: 22-45 ft. (6.7-13.7 meters)
- Nozzle: QuickFit Nozzle Port

Plastic Quick-Fit (PQFN) Performance*						
psi@ Nozzle	NOZZLE SIZE (Stream Height: 6 ft.)					
	3/32" Red		7/64" Black		1/8" Blue	
	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)
25	-	-	32	2.20	35	2.80
35	37	2.00	37	2.70	38	3.30
45	38	2.30	39	3.00	40	3.70
55	38	2.50	41	3.30	41	4.10
60	38	2.60	41	3.50	42	4.20

*Shipped Assembled with a 1/8" (08) Straight Bore Nozzle.

Low Angle Nozzle (PQLAN)				
psi@ Nozzle	NOZZLE SIZE (Stream Height: 3 ft.)			
	7/64" Black		5/32" Yellow	
	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)
25	22	1.5	25	3.4
35	23	1.9	29	4.0
45	25	2.1	31	4.0
55	25	2.3	32	5.0
60	25	2.4	32	5.4

Plastic Quick-Fit (PQFN) Performance*												METRIC			
bar @ Nozzle	NOZZLE SIZE (Stream Height: 1.8m)														
	2.38 mm (3/32") Red			2.78 mm (7/64") Black			3.18 mm (1/8") Blue			3.97 mm (5/32") Yellow			4.76 mm (3/16") Beige		
	Rad. (m)	Flow (l/s)	Flow (m³/h)	Rad. (m)	Flow (l/s)	Flow (m³/h)	Rad. (m)	Flow (l/s)	Flow (m³/h)	Rad. (m)	Flow (l/s)	Flow (m³/h)	Rad. (m)	Flow (l/s)	Flow (m³/h)
1.7	-	-	-	9.8	0.14	0.5	10.7	0.18	0.64	11.6	0.26	0.95	11.9	0.35	1.25
2.0	-	-	-	10.4	0.15	0.55	11.0	0.19	0.68	11.9	0.28	1.01	12.3	0.37	1.32
2.5	11.3	0.13	0.46	11.4	0.17	0.62	11.7	0.21	0.76	12.5	0.31	1.11	12.9	0.40	1.45
3.0	11.5	0.14	0.51	11.8	0.19	0.67	12.1	0.23	0.83	12.8	0.34	1.21	13.3	0.44	1.59
3.5	11.6	0.15	0.55	12.2	0.20	0.72	12.4	0.25	0.89	13.0	0.36	1.30	13.6	0.48	1.72
4.0	11.6	0.16	0.58	12.5	0.22	0.78	12.7	0.26	0.94	13.3	0.39	1.42	13.7	0.52	1.86
4.1	11.6	0.16	0.59	12.5	0.22	0.79	12.8	0.26	0.95	13.4	0.40	1.45	13.7	0.53	1.91

Low Angle Nozzle (PQLAN)							METRIC		
bar @ Nozzle	NOZZLE SIZE (Stream Height: 0.9m)								
	2.78 mm (7/64") Black			3.97 mm (5/32") Yellow					
	Rad. (m)	Flow (l/s)	Flow (m³/h)	Rad. (m)	Flow (l/s)	Flow (m³/h)			
1.7	6.7	0.09	0.34	7.06	0.21	0.77			
2.0	6.8	0.10	0.38	8.1	0.23	0.83			
2.5	7.1	0.12	0.44	8.9	0.26	0.92			
3.0	7.5	0.13	0.47	9.4	0.28	1.01			
3.5	7.6	0.14	0.50	9.6	0.30	1.09			
4.0	7.6	0.15	0.54	9.8	0.33	1.19			
4.1	7.6	0.15	0.54	9.8	0.34	1.23			



Part Numbers and Ordering Information

Assembled Sprinkler/Nozzle Factory Combination	
Sprinkler with Nozzle 2045-PJ-AG	B4610008

The assembled sprinkler comes with a blue 1/8" nozzle. Other nozzles are available on request at no charge.

Nozzle Only		XX = Nozzle Size					
		U.S. Standard	3/32"	7/64"	1/8"	5/32"	3/16"
		Metric	2.38 mm	2.78 mm	3.18 mm	3.97 mm	4.76 mm
Plastic Quick-Fit Straight Bore Nozzle	PQFN	206592-XX	06	07	08	10	12
Low Angle Quick-Fit Nozzle	PQLAN	115902-XX	-	07	-	10	-

Bold nozzle size number denotes the most common nozzle choice.