



## 2045-PJ

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

Bearing: 1/2" Male NPT, Plastic  
Trajectory Angle: 23°  
Operating Range: 25-60 psi 1.7-4.1 bars  
Flow Rate: 1.5-8.4 GPM 0.34-1.91 m³/h  
Radius: 22-45 ft. 6.7-13.7 meters  
One QuickFit Nozzle Port

#### Features

- Durable Delrin™ plastic, body arm, bearing sleeve, nipple and break up pin
- Stainless steel springs and fulcrum pin
- Chemically resistant washers
- Plastic Quick Fit Nozzles
- Low Angle (10°) Nozzles available
- Integral straightening vane for greater distance
- Full or Part Circle operation
- Two-year warranty

#### Benefits

- Superior chemical and grit resistance
- Smooth rotation at lower pressures
- Design flexibility
- Built to last

## U.S. STANDARD DATA | METRIC DATA

### PERFORMANCE DATA

2045-PJ

#### STRAIGHT BORE NOZZLE (SBN-1)\*

(Stream Height: 6 ft.)

PSI @ Nozzle	NOZZLE SIZE US STANDARD									
	3/32" Red		7/64" Black		1/8" Blue		5/32" Yellow		3/16" Beige	
Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	
25	-	-	32	2.20	35	2.80	38	4.20	39	5.50
35	37	2.00	37	2.70	38	3.30	41	4.80	42	6.30
45	38	2.30	39	3.00	40	3.70	42	5.40	44	7.10
55	38	2.50	41	3.30	41	4.10	43	6.00	45	7.90
60	38	2.60	41	3.50	42	4.20	44	6.40	45	8.40

#### LOW ANGLE NOZZLE (LAN-1)

(Stream Height: 3 ft.)

PSI @ Nozzle	NOZZLE SIZE US STANDARD			
	7/64" Black		5/32" Yellow	
Rad.	GPM	Rad.	GPM	
25	22	1.5	25	3.4
35	23	1.9	29	4.0
45	25	2.1	31	4.
55	25	2.3	32	5.0
60	25	2.4	32	5.4

\* Available Assembled with a 1/8" (08) Straight Bore Nozzle.  
Other Nozzles are available at no charge.

#### STRAIGHT BORE NOZZLE (SBN-1)

(Stream Height: 1.8m)

Bars @ Nozzle	NOZZLE SIZE METRIC														
	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 (lps)	Flow (m³/h)	Rad. (m)	Flow (lps)	Flow (m³/h)	Rad. (m)	Flow (lps)	Flow (m³/h)	Rad. (m)	Flow (lps)	Flow (m³/h)	Rad. (m)	Flow (lps)	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 (LAN-1-10)

(Stream Height: 0.9m)

Bars @ Nozzle	NOZZLE SIZE METRIC					
	2.78 mm (7/64") Black			3.97 mm (5/32") Yellow		
Rad. (m)	Flow (lps)	Flow (m³/h)	Rad. (m)	Flow (lps)	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 <b>PQFN</b> 1/8"	<b>B4610008</b>

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	<b>PQFN</b>	<b>206592-XX</b>	<b>06</b>	<b>07</b>	<b>08</b>	<b>10</b>	<b>12</b>
Low Angle Quick-Fit Nozzle	<b>PQLAN</b>	<b>115902-XX</b>	-	<b>07</b>	-	<b>10</b>	-

Bold nozzle size numbers denote the most common nozzle choices.