



U.S. STANDARD DATA

PERFORMANCE DATA

46H

46H

3/4" 19mm Full Circle, Plastic Impact Sprinkler

Bearing: 3/4" Male NPT, Plastic

Trajectory Angle: 23°

Operating Range: 45-80 psi 3.0-5.5 bars

Flow Rate: 5.0-16.2 GPM 1.12-3.68 m³/h

Radius: 47-62 ft. 14.2-18.1 meters

Range: One 1/4" Female NPT Nozzle Port

Spreader: One 1/8" Female NPT Spreader Nozzle Port

Features

- Durable Delrin™ plastic body, arm and bearing sleeve
- Stainless steel springs and fulcrum pin
- Chemically resistant, Teflon™ washers
- Brass bearing nipple
- Brass or Vaned, plastic nozzles available
- Dual nozzle ports
- Two-year warranty

Benefits

- Teflon™ washers allow for smaller nozzles and lower pressures
- Superior chemical and grit resistance
- Exceptionally wide range of flow rates
- Built to last

Part Numbers and Ordering Information

Sprinkler Only	
U.S. Standard	
Sprinkler without Nozzle or Plug	L46000

PLASTIC STRAIGHT BORE NOZZLE WITH VANE (SBN-3P) WITH SPREADER (LAN-1)* (Stream Height: 7 ft.)

PSI @ Nozzle	NOZZLE SIZE US STANDARD									
	5/32" x 3/32"-7"		11/64" x 3/32"-7"		3/16" x 1/8"-7"		13/64" x 1/8"-7"		7/32" x 1/8"-7"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
45	47	6.60	48	7.60	52	10.20	54	11.30	53	12.70
50	48	6.90	49	8.00	52	10.70	56	12.00	54	1.30
55	49	7.20	50	8.30	53	11.20	57	12.50	55	13.90
60	49	7.50	51	8.60	54	11.60	58	13.00	56	14.50
65	50	7.80	51	8.90	55	12.00	59	13.50	57	14.90
70	50	8.10	52	9.20	56	12.40	60	13.90	58	15.40
75	51	8.40	53	9.50	57	12.70	61	14.30	59	15.80
80	51	8.60	53	9.70	57	13.00	62	14.70	59	16.20

PLASTIC STRAIGHT BORE NOZZLE WITH VANE (SBN-3P) WITH PLUG* (Stream Height: 7 ft.)

PSI @ Nozzle	NOZZLE SIZE US STANDARD									
	5/32"		11/64"		3/16"		13/64"		7/32"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
45	47	5.00	48	6.10	52	6.90	54	8.10	53	9.10
50	48	5.20	49	6.40	52	7.30	56	8.40	54	9.50
55	49	5.40	50	6.50	53	7.70	57	8.80	55	10.00
60	49	5.60	51	6.80	54	8.00	58	9.20	56	10.40
65	50	5.80	51	7.20	55	8.30	59	9.60	57	10.80
70	50	6.10	52	7.50	56	8.70	60	10.10	58	11.10
75	51	6.30	53	7.80	57	9.00	61	10.50	59	11.40
80	51	6.50	53	8.10	57	9.20	62	10.60	59	11.70

Nozzle Only		XX = Nozzle Size							
U.S. Standard		3/32"	1/8"	5/32"	11/64"	3/16"	13/64"	7/32"	
Brass Straight Bore Nozzle	SBN-3	105842-XX	–	–	10	11	12	13	14
Brass Straight Bore Nozzle with Vane	SBN-3V	106131-XX	–	–	10	11	12	13	14
Plastic Vaned Straight Bore Nozzle	SBN-3P	71-P00002-XX	–	–	10	11	12	13	14
Brass 7° Low Angle-Spreader Nozzle	LAN-1-7	100225-XX	06	08	–	–	–	–	–
Brass 20° Low Angle Spreader Nozzle	LAN-1-20	100226-XX	06	08	–	–	–	–	–
Brass Plug		100255	Bold nozzle size numbers denote the most common nozzle choices.						

METRIC DATA

PERFORMANCE DATA

46H

**PLASTIC STRAIGHT BORE NOZZLE WITH VANE (SBN-3P)
WITH SPREADER (LAN-1)*** (Stream Height: 2.1m)

BARS @ Nozzle	NOZZLE SIZE METRIC														
	3.97 mm x 2.18 mm (5/32" x 3/32") 7°			4.37 mm x 2.18 mm (11/64" x 3/32") 7°			4.76 mm x 3.18 mm (3/16" x 1/8") 7°			5.16 mm x 3.18 mm (13/64" x 1/8") 20°			5.56 mm x 3.18 mm (7/32" x 1/8") 20°		
	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)
3.0	14.2	0.41	1.47	14.6	0.47	1.69	15.7	0.63	2.27	16.5	0.71	2.56	15.9	0.79	2.84
3.5	14.5	0.44	1.59	15.0	0.51	1.82	16.0	0.68	2.45	17.0	0.76	2.75	16.5	0.85	3.05
4.0	15.0	0.47	1.68	15.5	0.54	1.93	16.3	0.72	2.60	17.5	0.81	2.92	17.0	0.90	3.24
4.5	15.2	0.49	1.77	15.7	0.56	2.03	16.7	0.76	2.73	18.0	0.86	3.08	17.5	0.94	3.40
5.0	15.4	0.52	1.87	16.0	0.59	2.12	17.1	0.79	2.85	18.5	0.89	3.21	17.9	0.99	3.55
5.5	15.7	0.54	1.96	16.2	0.61	2.20	17.5	0.82	2.95	18.8	0.93	3.33	18.1	1.02	3.68



46H

**PLASTIC STRAIGHT BORE NOZZLE WITH VANE (SBN-3P)*
WITH PLUG*** (Stream Height: 2.1m)

BARS @ Nozzle	NOZZLE SIZE METRIC														
	3.97 mm (5/32")			4.37 mm (11/64")			4.76 mm (3/16")			5.16 mm (13/64")			5.56 mm (7/32")		
	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)
3.0	14.2	0.31	1.12	14.6	0.38	1.38	15.7	0.43	1.55	16.5	0.50	1.81	15.9	0.57	2.05
3.5	14.5	0.33	1.18	15.0	0.40	1.45	16.0	0.47	1.68	17.0	0.54	1.93	16.5	0.60	2.17
4.0	15.0	0.35	1.25	15.5	0.42	1.51	16.3	0.50	1.80	17.5	0.57	2.06	17.0	0.65	2.33
4.5	15.2	0.37	1.33	15.7	0.45	1.63	16.7	0.53	1.90	18.0	0.61	2.18	17.5	0.68	2.45
5.0	15.4	0.39	1.40	16.0	0.48	1.73	17.1	0.56	2.00	18.5	0.64	2.30	17.9	0.71	2.55
5.5	15.7	0.41	1.48	16.2	0.51	1.84	17.5	0.58	2.10	18.8	0.67	2.41	18.1	0.74	2.66

* Nozzles must be purchased separately.
See Chart below.

Part Numbers and Ordering Information

Sprinkler Only	
Metric	
Sprinkler without Nozzle or Plug	L46000

Nozzle Only			XX = Nozzle Size						
		Metric	2.38 mm	3.18 mm	3.97 mm	4.37 mm	4.76 mm	5.16 mm	5.66 mm
Brass Straight Bore Nozzle	SBN-3	105842-XX	–	–	10	11	12	13	14
Brass Straight Bore Nozzle with Vane	SBN-3V	106131-XX	–	–	10	11	12	13	14
Plastic Vaned Straight Bore Nozzle	SBN-3P	71-P00002-XX	–	–	10	11	12	13	14
Brass 7° Low Angle Spreader Nozzle	LAN-1-7	100225-XX	06	08	–	–	–	–	–
Brass 20° Low Angle Spreader Nozzle	LAN-1-20	100226-XX	06	08	–	–	–	–	–
Brass Plug		100255	Bold nozzle size numbers denote the most common nozzle choices.						