

14070H

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

- Heavy duty brass construction
- Extra large body and barrel
- Stainless steel springs and fulcrum pin

Features

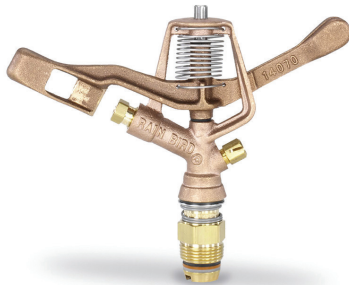
- Chemically resistant washers
- Dual nozzle ports

Benefits

- Extra large body accommodates wide range of flow rates and nozzles
- Long nozzle barrel increases distance of throw
- Corrosion and grit resistant
- Built to last
- Five-year Customer Satisfaction Policy

Specifications

- Bearing: 3/4" (19mm) Male NPT, Brass
- Trajectory Angle: 27°
- Operating Range: 25-80 psi (1.7-5.5 bar)
- Flow Rate: 4.2-23 gpm (0.97-5.34 m³/h)
- Radius: 44-71 ft. (13.57-22.10 meters)
- Nozzle Port: 1/4" Female NPT
- Spreader Nozzle Port: 1/8" Female NPT



Straight Bore Nozzle (SBN-3) with Spreader (LAN-1-20)*

psi@ Nozzle	NOZZLE SIZE (Stream Height: 10 ft.)													
	3/16" x 1/8-20"		13/64" x 1/8-20"		7/32" x 1/8-20"		15/64" x 1/8-20"		1/4" x 1/8-20"		17/64" x 1/8-20"		9/32" x 1/8-20"	
	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)
25	44	7.40	45	8.30	46	9.20	46	10.30	47	11.40	47	12.50	48	13.80
30	47	8.10	48	9.10	49	10.10	50	11.20	51	12.40	51	13.70	52	15.10
35	49	8.70	50	9.80	51	10.90	52	12.10	52	13.40	53	14.80	54	16.30
40	50	9.30	51	10.50	52	11.70	53	13.00	54	14.40	55	15.80	56	17.40
45	51	9.90	52	11.10	54	12.40	55	13.80	56	15.20	57	16.80	58	18.50
50	52	10.40	53	11.70	55	13.10	56	14.50	57	16.10	58	17.70	59	19.50
55	53	10.90	54	12.30	56	13.70	57	15.20	59	16.90	59	18.60	61	20.40
60	53	11.40	55	12.80	57	14.30	58	15.90	60	17.60	61	19.40	62	21.30
65	54	11.90	56	13.30	58	14.90	59	16.50	61	18.30	62	20.20	63	22.20
70	55	12.40	57	13.80	59	15.40	60	17.20	62	19.00	63	21.00	65	23.00
75	55	12.80	58	14.30	60	16.00	61	17.80	63	19.70	-	-	-	-
80	56	13.20	58	14.80	61	16.50	62	18.40	64	20.30	-	-	-	-

Straight Bore Nozzle (SBN-3V) with Plug*

psi@ Nozzle	NOZZLE SIZE (Stream Height: 10 ft.)																	
	5/32"		11/64"		3/16"		13/64"		7/32"		15/64"		1/4"		17/64"		9/32"	
	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)
25	-	-	-	-	44	5.10	45	6.00	46	7.00	46	8.00	47	9.10	48	10.30	48	11.50
30	-	-	-	-	47	5.60	48	6.60	49	7.60	50	8.80	51	10.00	51	11.20	52	12.60
35	46	4.20	47	5.10	49	6.10	50	7.10	51	8.20	52	9.50	52	10.80	53	12.10	54	13.60
40	46	4.50	48	5.40	50	6.50	51	7.60	52	8.80	53	10.10	54	11.50	55	13.00	56	14.60
45	47	4.80	49	5.80	51	6.90	52	8.10	54	9.30	55	10.70	56	12.20	57	13.80	58	15.40
50	48	5.00	50	6.10	52	7.20	53	8.50	55	9.80	56	11.30	57	12.90	58	14.50	59	16.30
55	48	5.30	50	6.40	53	7.60	54	8.90	56	10.30	54	11.80	59	13.50	59	15.20	61	17.10
60	49	5.50	51	6.70	53	7.90	55	9.30	57	10.80	58	12.40	60	14.10	61	15.90	62	17.80
65	49	5.70	52	6.90	54	8.30	56	9.70	58	11.20	59	12.90	61	14.70	62	16.50	63	18.50
70	50	5.90	52	7.20	55	8.60	57	10.00	59	11.60	60	13.40	62	15.20	63	17.20	65	19.20
75	50	6.20	53	7.40	55	8.90	58	10.40	60	12.10	61	13.80	63	15.70	-	-	-	-
80	50	6.40	53	7.70	56	9.10	58	10.70	61	12.40	62	14.30	64	16.30	-	-	-	-

Straight Bore Nozzle with Vane (SBN-3V) with Spreader (LAN-1-20)*

psi@ Nozzle	NOZZLE SIZE (Stream Height: 10 ft.)													
	3/16" x 1/8-20"		13/64" x 1/8-20"		7/32" x 1/8-20"		15/64" x 1/8-20"		1/4" x 1/8-20"		17/64" x 1/8-20"		9/32" x 1/8-20"	
	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)
25	47	7.40	49	8.30	51	9.20	51	9.80	51	10.80	51	11.90	51	13.10
30	50	8.10	51	9.10	54	10.10	54	10.60	55	11.80	55	13.00	55	14.30
35	51	8.70	53	9.80	55	10.90	56	11.50	57	12.70	57	14.10	57	15.50
40	52	9.30	54	10.50	56	11.70	57	12.40	59	13.70	59	15.00	60	16.50
45	53	9.90	55	11.10	57	12.40	59	13.10	60	14.40	61	16.00	62	17.60
50	53	10.40	56	11.70	58	13.10	60	13.80	62	15.30	63	16.80	64	18.50
55	54	10.90	56	12.30	59	13.70	61	14.40	63	16.10	65	17.70	66	19.40
60	55	11.40	57	12.80	60	14.30	62	15.10	64	16.70	67	18.40	68	20.20
65	55	11.90	58	13.30	61	14.90	63	15.70	65	17.40	68	19.20	69	21.10
70	56	12.40	58	13.80	62	15.40	64	16.30	66	18.10	69	20.00	71	21.90
75	56	12.80	59	14.30	62	16.00	65	16.90	67	18.70	-	-	-	-
80	57	13.20	60	14.80	63	16.50	66	17.50	69	19.30	-	-	-	-

* Nozzles must be purchased separately. See chart below.

Part Numbers and Ordering Information

Sprinkler Only	
Sprinkler without Nozzle without Plug	A12800

	Nozzle Only	XX = Nozzle Size										
		U.S. Standard	1/8"	5/32"	11/64"	3/16"	13/64"	7/32"	15/64"	1/4"	17/64"	9/32"
Brass Straight Bore Nozzle	SBN-3	105842-XX	-	10	11	12	13	14	15	16	17	18
Brass Straight Bore Nozzle with Vane	SBN-3V	106131-XX	-	10	11	12	13	14	15	16	17	18
Brass 20° Low Angle Spreader Nozzle	LAN-1-20	100226-XX	08	-	-	-	-	-	-	-	-	-
Brass Plug		100255										

Bold nozzle size number denotes the most common nozzle choice.



14070H (Continued)

Straight Bore Nozzle (SBN-3) with Spreader (LAN-1-20)*													METRIC								
bar @ Nozzle	NOZZLE SIZE												(Stream Height: 3m)								
	4.76 mm x 3.18 mm (3/16" x 1/8") 20°			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°			5.95 mm x 3.18 mm (15/64" x 1/8") 20°			6.35 mm x 3.18 mm (1/4" x 1/8") 20°			6.75 mm x 3.18 mm (17/64" x 1/8") 20°			7.14 mm x 3.18 mm (9/32" x 1/8") 20°		
	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)			
1.7	13.6	0.47	1.68	13.9	0.52	1.89	14.0	0.58	2.09	14.2	0.65	2.34	14.3	0.72	2.59	14.5	0.79	2.84	14.6	0.87	3.13
2.0	14.3	0.50	1.81	14.6	0.56	2.03	14.9	0.63	2.25	15.0	0.70	2.50	15.3	0.77	2.77	15.4	0.85	3.06	15.6	0.94	3.37
2.5	15.0	0.56	2.01	15.4	0.63	2.26	15.7	0.70	2.52	16.0	0.78	2.80	16.2	0.86	3.10	16.4	0.95	3.42	16.6	1.05	3.76
3.0	15.5	0.61	2.21	15.9	0.69	2.48	16.3	0.77	2.77	16.6	0.86	3.08	16.9	0.94	3.40	17.2	1.04	3.75	17.5	1.15	4.13
3.5	15.9	0.66	2.38	16.4	0.74	2.68	16.8	0.83	3.00	17.1	0.92	3.32	17.6	1.02	3.68	17.9	1.12	4.05	18.2	1.24	4.46
4.0	16.2	0.71	2.54	16.8	0.79	2.86	17.4	0.89	3.19	17.7	0.99	3.55	18.2	1.09	3.93	18.4	1.20	4.33	18.9	1.32	4.75
4.5	16.6	0.75	2.71	17.2	0.84	3.03	17.8	0.94	3.39	18.1	1.04	3.75	18.6	1.16	4.16	19.1	1.28	4.60	19.4	1.40	5.05
5.0	16.8	0.79	2.86	17.5	0.89	3.19	18.1	0.99	3.56	18.6	1.10	3.97	19.1	1.22	4.39	19.6	1.35	4.86	19.9	1.48	5.34
5.5	17.2	0.83	3.00	17.8	0.93	3.36	18.6	1.04	3.75	19.1	1.16	4.18	19.7	1.28	4.61	-	-	-	-	-	-

Straight Bore Nozzle (SBN-3V) with Plug*													METRIC														
bar @ Nozzle	NOZZLE SIZE												(Stream Height: 3m)														
	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")			5.95 mm (15/64")			6.35 mm (1/4")			6.75 mm (17/64")			7.14 mm (9/32")		
	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)						
1.7	-	-	-	-	-	-	13.6	0.32	1.16	13.9	0.38	1.36	14.0	0.44	1.59	14.2	0.50	1.82	14.3	0.57	2.07	14.5	0.65	2.34	14.6	0.73	2.61
2.0	-	-	-	-	-	-	14.3	0.35	1.25	14.6	0.41	1.47	14.9	0.47	1.70	15.0	0.54	1.96	15.3	0.62	2.23	15.4	0.70	2.50	15.6	0.78	2.81
2.5	14.1	0.27	0.97	14.4	0.33	1.18	15.0	0.39	1.41	15.4	0.46	1.64	15.7	0.53	1.90	16.0	0.61	2.19	16.2	0.69	2.49	16.4	0.78	2.80	16.6	0.87	3.14
3.0	14.3	0.30	1.07	14.8	0.36	1.29	15.5	0.43	1.54	15.9	0.50	1.81	16.3	0.58	2.08	16.6	0.66	2.39	16.9	0.76	2.72	17.2	0.86	3.08	17.5	0.96	3.44
3.5	14.7	0.32	1.15	15.3	0.39	1.40	15.9	0.46	1.65	16.4	0.54	1.94	16.8	0.62	2.24	17.1	0.72	2.58	17.6	0.82	2.95	17.9	0.92	3.32	18.2	1.04	3.73
4.0	14.9	0.34	1.23	15.5	0.42	1.49	16.2	0.49	1.77	16.8	0.58	2.08	17.4	0.67	2.41	17.7	0.77	2.76	18.2	0.87	3.15	18.4	0.99	3.55	18.9	1.11	3.98
4.5	15.1	0.36	1.30	15.9	0.44	1.57	16.6	0.52	1.89	17.2	0.61	2.21	17.8	0.71	2.55	18.1	0.82	2.93	18.6	0.93	3.34	19.1	1.04	3.75	19.4	1.17	4.21
5.0	15.2	0.38	1.37	16.1	0.46	1.66	16.8	0.55	1.99	17.5	0.64	2.32	18.1	0.75	2.69	18.6	0.86	3.09	19.1	0.97	3.51	19.6	1.10	3.97	19.8	1.23	4.42
5.5	15.4	0.40	1.45	16.3	0.49	1.75	17.2	0.57	2.07	17.8	0.68	2.43	18.6	0.78	2.82	19.1	0.90	3.25	19.7	1.03	3.70	-	-	-	-	-	-

Straight Bore Nozzle with Vane (SBN-3V) with Spreader (LAN-1-20)*													METRIC								
bar @ Nozzle	NOZZLE SIZE												(Stream Height: 3m)								
	4.76 mm x 3.18 mm (3/16" x 1/8") 20°			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°			5.95 mm x 3.18 mm (15/64" x 1/8") 20°			6.35 mm x 3.18 mm (1/4" x 1/8") 20°			6.75 mm x 3.18 mm (17/64" x 1/8") 20°			7.14 mm x 3.18 mm (9/32" x 1/8") 20°		
	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)
1.7	14.5	0.47	1.68	14.9	0.52	1.89	15.5	0.58	2.09	15.5	0.62	2.23	15.7	0.68	2.45	15.5	0.75	2.70	15.5	0.83	2.98
2.0	15.1	0.50	1.81	15.5	0.56	2.03	16.3	0.63	2.25	16.4	0.66	2.37	16.5	0.73	2.63	16.5	0.81	2.90	16.5	0.89	3.19
2.5	15.6	0.56	2.01	16.2	0.63	2.26	17.0	0.70	2.52	17.2	0.74	2.66	17.5	0.82	2.94	17.7	0.90	3.25	17.7	0.99	3.58
3.0	16.1	0.61	2.21	16.7	0.69	2.48	17.4	0.77	2.77	17.8	0.81	2.93	18.3	0.90	3.22	18.6	0.99	3.56	18.7	1.09	3.92
3.5	16.4	0.66	2.38	17.1	0.74	2.68	17.9	0.83	3.00	18.4	0.88	3.15	18.9	0.97	3.50	19.3	1.07	3.85	19.6	1.18	4.23
4.0	16.7	0.71	2.54	17.4	0.79	2.86	18.3	0.89	3.19	18.9	0.93	3.37	19.5	1.04	3.74	20.1	1.14	4.11	20.5	1.25	4.51
4.5	16.9	0.75	2.71	17.7	0.84	3.03	18.8	0.94	3.39	19.4	0.99	3.57	20.0	1.10	3.96	20.7	1.21	4.37	21.2	1.33	4.80
5.0	17.1	0.79	2.86	17.9	0.89	3.19	19.0	0.99	3.56	19.7	1.05	3.77	20.4	1.16	4.18	21.3	1.28	4.62	22.1	1.40	5.05
5.5	17.4	0.83	3.00	18.3	0.93	3.36	19.4	1.04	3.75	20.1	1.10	3.97	21.0	1.22	4.38	-	-	-	-	-	-

* Nozzles must be purchased separately. See chart below.

Part Numbers and Ordering Information

Sprinkler Only	
Sprinkler without Nozzle without Plug	A12800

Nozzle Only		XX = Nozzle Size										
		Metric	3.18 mm	3.97 mm	4.37 mm	4.76 mm	5.16 mm	5.56 mm	5.95 mm	6.35 mm	6.75 mm	7.14 mm
Brass Straight Bore Nozzle	SBN-3	105842-XX	-	10	11	12	13	14	15	16	17	18
Brass Straight Bore Nozzle with Vane	SBN-3V	106131-XX	-	10	11	12	13	14	15	16	17	18
Brass 20° Low Angle Spreader Nozzle	LAN-1-20	100226-XX	08	-	-	-	-	-	-	-	-	-
Brass Plug		100255										

Bold nozzle size number denotes the most common nozzle choice.