

## 30H / 30WH

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

- Heavy duty brass construction
- Stainless steel springs and fulcrum pin
- Chemically resistant washers

### Features

- Dual nozzle ports
- 30H unit does not have a spreader plug
- 30WH unit has spreader plug

### Benefits

- Wide range of flow rates
- 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: 2.9-13.1 gpm (0.66-2.98 m3/h)
- Radius: 40-56 ft. (12.20-17.23 meters)
- Nozzle Port: 1/4" Female NPT
- Spreader Nozzle Port: 1/8" Female NPT



Brass Straight Bore Nozzle (SBN-3) with Plug Performance*					
psi@ Nozzle	NOZZLE SIZE (Stream Height: 9 ft.)				
	9/64"	5/32"	11/64"	3/16"	
	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)
25	40 2.90	41 3.50	41 4.30	42 5.10	
30	40 3.10	42 3.90	44 4.70	45 5.60	
35	41 3.40	43 4.20	45 5.10	47 6.00	
40	41 3.60	44 4.50	46 5.40	48 6.40	
45	42 3.80	44 4.70	46 5.70	49 6.80	
50	42 4.10	45 5.00	47 6.10	50 7.20	
55	43 4.20	45 5.20	48 6.30	50 7.60	
60	43 4.40	46 5.50	48 6.60	51 7.90	
65	44 4.60	46 5.80	49 6.90	51 8.20	
70	44 4.80	47 5.90	49 7.20	52 8.50	
75	45 5.00	47 6.10	50 7.40	52 8.80	
80	45 5.10	48 6.30	50 7.70	53 9.10	

Brass Straight Bore Nozzle (SBN-3) with Spreader (LAN-1) Performance*					
psi@ Nozzle	NOZZLE SIZE (Stream Height: 9 ft.)				
	9/64" x 3/32-7"	5/32" x 3/32-7"	11/64" x 3/32-7"	3/16" x 3/32-7"	3/16" x 1/8-20"
	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)
25	40 4.20	41 4.80	41 5.60	42 6.40	42 7.40
30	40 4.60	42 5.30	44 6.10	45 7.00	45 8.10
35	41 4.90	43 5.70	45 6.60	47 7.50	47 8.70
40	41 5.20	44 6.10	46 7.00	48 8.10	48 9.30
45	42 5.60	44 6.50	46 7.40	49 8.50	49 9.90
50	42 5.90	45 6.80	47 7.90	50 9.00	50 10.40
55	43 6.10	45 7.10	48 8.20	50 9.40	50 10.90
60	43 6.40	46 7.40	48 8.60	51 9.90	51 11.40
65	44 6.70	46 7.80	49 8.90	51 10.20	51 11.80
70	44 6.90	47 8.10	49 9.30	52 10.70	52 12.30
75	45 7.20	47 8.30	50 9.60	52 11.00	52 12.70
80	45 7.50	48 8.70	50 10.00	53 11.50	53 13.10

Brass Straight Bore Nozzle with Vane (SBN-3V) with Plug Performance*					
psi@ Nozzle	NOZZLE SIZE (Stream Height: 10 ft.)				
	9/64"	5/32"	11/64"	3/16"	
	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)
25	42 2.90	44 3.50	45 4.30	48 5.10	
30	43 3.10	45 3.90	46 4.70	47 5.60	
35	44 3.40	46 4.20	47 5.10	49 6.00	
40	45 3.60	47 4.50	48 5.40	50 6.40	
45	46 3.80	48 4.70	49 5.70	52 6.80	
50	46 4.10	49 5.00	50 6.10	53 7.20	
55	47 4.20	50 5.20	51 6.30	53 7.60	
60	47 4.40	50 5.50	51 6.60	54 7.90	
65	48 4.60	51 5.80	52 6.90	55 8.20	
70	48 4.80	51 5.90	53 7.20	55 8.50	
75	49 5.00	52 6.10	54 7.40	56 8.80	
80	50 5.10	52 6.30	55 7.70	56 9.10	

Brass Straight Bore Nozzle with vane (SBN-3V) with Spreader (LAN-1) Performance*					
psi@ Nozzle	NOZZLE SIZE (Stream Height: 10 ft.)				
	9/64" x 3/32-7"	5/32" x 3/32-7"	11/64" x 3/32-7"	3/16" x 3/32-7"	3/16" x 1/8-20"
	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)	Rad. Flow (ft.) (gpm)
25	42 4.20	44 4.80	45 5.60	45 6.40	46 7.40
30	43 4.60	45 5.30	46 6.10	47 7.00	47 8.10
35	44 4.90	46 5.70	47 6.60	49 7.50	49 8.70
40	45 5.20	47 6.10	48 7.00	50 8.10	50 9.30
45	46 5.60	48 6.50	49 7.40	52 8.50	52 9.90
50	46 5.90	49 6.80	50 7.90	53 9.00	53 10.40
55	47 6.10	50 7.10	51 8.20	54 9.40	54 10.90
60	47 6.40	50 7.40	51 8.60	54 9.90	54 11.40
65	48 6.70	51 7.80	52 8.90	55 10.20	55 11.80
70	48 6.90	51 8.10	53 9.30	55 10.70	55 12.30
75	49 7.20	52 8.30	54 9.60	56 11.00	56 12.70
80	50 7.50	52 8.70	55 10.00	56 11.50	56 13.10

\* Nozzles must be purchased separately. See chart below.

## Part Numbers and Ordering Information

Sprinkler Only		
Sprinkler Without Nozzle, Without Plug	<b>30H</b>	<b>A08401</b>
Sprinkler without Nozzle, With Plug	<b>30WH</b>	<b>A08411</b>

Nozzle Only		XX = Nozzle Size							
U.S. Standard		3/32"	7/64"	1/8"	9/64"	5/32"	11/64"	3/16"	
Metric		2.38mm	2.78mm	3.18mm	3.57mm	3.97mm	4.37mm	4.76mm	
Brass Straight Bore Nozzle	<b>SBN-3</b>	<b>105842-XX</b>	—	—	—	09	10	11	12
Brass Straight Bore Nozzle with Vane	<b>SBN-3V</b>	<b>106131-XX</b>	—	—	—	09	10	11	12
Brass 7° Low Angle Spreader	<b>LAN-1-7</b>	<b>100225-XX</b>	06	07	08	09	10	—	—
Brass 20° Low Angle Spreader	<b>LAN-1-20</b>	<b>100226-XX</b>	06	07	08	09	10	—	—
<b>Brass Plug</b>		<b>100255</b>							

Bold nozzle size number denotes the most common nozzle choice.

30H Brass Straight Bore Nozzle (SBN-3) with Plug *										METRIC		
bar @ Nozzle	NOZZLE SIZE (Stream Height: 1.1m)											
	3.57 MM (9/64")			3.97 MM (5/32")			4.37 MM (11/64")			4.76 MM (3/16")		
	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)
1.7	12.2	0.18	0.66	12.5	0.22	0.79	12.6	0.27	0.98	13.0	0.32	1.16
2.0	12.3	0.19	0.69	12.9	0.24	0.87	13.3	0.29	1.05	13.7	0.35	1.25
2.5	12.5	0.22	0.78	13.3	0.27	0.97	13.8	0.33	1.18	14.4	0.38	1.39
3.0	12.8	0.24	0.85	13.5	0.29	1.05	14.1	0.35	1.27	14.8	0.42	1.52
3.5	13.0	0.26	0.93	13.7	0.32	1.14	14.5	0.39	1.39	15.3	0.46	1.65
4.0	13.2	0.27	0.98	14.0	0.34	1.22	14.7	0.41	1.47	15.5	0.49	1.77
4.5	13.4	0.29	1.05	14.2	0.37	1.32	14.9	0.44	1.57	15.7	0.52	1.87
5.0	13.6	0.31	1.11	14.4	0.38	1.36	15.2	0.46	1.66	15.9	0.55	1.96
5.5	13.9	0.32	1.16	14.6	0.40	1.43	15.4	0.49	1.75	16.2	0.57	2.07

30H Brass Straight Bore Nozzle (SBN-3) with Spreader (LAN-1*)										METRIC					
bar @ Nozzle	NOZZLE SIZE (Stream Height: 1.1m)														
	3.57 mm x 2.38 mm (9/64" x 3/32") 7°			3.97 mm x 2.38 mm (5/32" x 3/32") 7°			4.37 mm x 2.38 mm (11/64" x 3/32") 7°			4.76 mm x 2.38 mm (3/16" x 3/32") 7°			4.76 mm x 3.18 mm (3/16" x 1/8") 20°		
	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)
1.7	12.2	0.26	0.95	12.5	0.30	1.09	12.6	0.35	1.27	13.0	0.40	1.45	13.0	0.47	1.68
2.0	12.3	0.29	1.03	12.9	0.33	1.18	13.3	0.38	1.36	13.7	0.43	1.56	13.7	0.50	1.81
2.5	12.5	0.31	1.13	13.3	0.37	1.32	13.8	0.42	1.52	14.4	0.48	1.74	14.4	0.56	2.01
3.0	12.8	0.35	1.24	13.5	0.40	1.45	14.1	0.46	1.65	14.8	0.53	1.90	14.8	0.61	2.21
3.5	13.0	0.37	1.35	13.7	0.43	1.55	14.5	0.50	1.80	15.3	0.57	2.06	15.3	0.66	2.38
4.0	13.2	0.40	1.43	14.0	0.46	1.65	14.7	0.53	1.92	15.5	0.61	2.20	15.5	0.71	2.54
4.5	13.4	0.42	1.52	14.2	0.49	1.77	14.9	0.56	2.03	15.7	0.64	2.32	15.7	0.75	2.69
5.0	13.6	0.44	1.60	14.4	0.52	1.86	15.2	0.60	2.15	15.9	0.68	2.46	15.9	0.79	2.84
5.5	13.9	0.47	1.70	14.6	0.55	1.98	15.4	0.63	2.27	16.2	0.73	2.61	16.2	0.83	2.98

30H Brass Straight Bore Nozzle (SBN-3) with Plug *										METRIC		
bar @ Nozzle	NOZZLE SIZE (Stream Height: 3m)											
	3.57 MM (9/64")			3.97 MM (5/32")			4.37 MM (11/64")			4.76 MM (3/16")		
	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)
1.7	13.0	0.18	0.66	13.4	0.22	0.79	13.7	0.27	0.98	14.0	0.32	1.16
2.0	13.2	0.19	0.69	13.7	0.24	0.87	14.0	0.29	1.05	14.4	0.35	1.25
2.5	13.6	0.22	0.78	14.1	0.27	0.97	14.4	0.33	1.18	15.0	0.38	1.39
3.0	14.0	0.24	0.85	14.5	0.29	1.05	14.8	0.35	1.27	15.7	0.42	1.52
3.5	14.2	0.26	0.93	15.0	0.32	1.14	15.3	0.39	1.39	16.2	0.46	1.65
4.0	14.4	0.27	0.98	15.3	0.34	1.22	15.6	0.41	1.47	16.5	0.49	1.77
4.5	14.6	0.29	1.05	15.6	0.37	1.32	15.9	0.44	1.57	16.8	0.52	1.87
5.0	14.9	0.31	1.11	15.8	0.38	1.36	16.3	0.46	1.66	17.0	0.55	1.96
5.5	15.2	0.32	1.16	16.0	0.40	1.43	16.8	0.49	1.75	17.2	0.57	2.07

30H Brass Straight Bore Nozzle (SBN-3) with Spreader (LAN-1*)										METRIC					
bar @ Nozzle	NOZZLE SIZE (Stream Height: 3m)														
	3.57 mm x 2.38 mm (9/64" x 3/32") 7°			3.97 mm x 2.38 mm (5/32" x 3/32") 7°			4.37 mm x 2.38 mm (11/64" x 3/32") 7°			4.76 mm x 2.38 mm (3/16" x 3/32") 7°			4.76 mm x 3.18 mm (3/16" x 1/8") 20°		
	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Rad. (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)
1.7	13.0	0.26	0.95	13.4	0.30	1.09	13.9	0.35	1.27	13.9	0.40	1.45	13.9	0.47	1.68
2.0	13.2	0.29	1.03	13.7	0.33	1.18	14.0	0.38	1.36	14.4	0.43	1.56	14.4	0.50	1.81
2.5	13.6	0.31	1.13	14.1	0.37	1.32	14.4	0.42	1.52	15.0	0.48	1.74	15.0	0.56	2.01
3.0	14.0	0.35	1.24	14.5	0.40	1.45	14.8	0.46	1.65	15.7	0.53	1.90	15.7	0.61	2.21
3.5	14.2	0.37	1.35	15.0	0.43	1.55	15.3	0.50	1.80	16.2	0.57	2.06	16.2	0.66	2.38
4.0	14.4	0.40	1.43	15.3	0.46	1.65	15.6	0.53	1.92	16.5	0.61	2.20	16.5	0.71	2.54
4.5	14.6	0.42	1.52	15.6	0.49	1.77	15.9	0.56	2.03	16.8	0.64	2.32	16.8	0.75	2.69
5.0	14.9	0.44	1.60	15.8	0.52	1.86	16.3	0.60	2.15	17.0	0.68	2.46	17.0	0.79	2.84
5.5	15.2	0.47	1.70	16.0	0.55	1.98	16.8	0.63	2.27	17.2	0.73	2.61	17.2	0.83	2.98

\* Nozzles must be purchased separately. See chart on previous page.