

20JH

1/2" 13mm Full Circle, Brass Impact Sprinkler

- Durable brass die-cast arm
- Stainless steel springs and fulcrum pin
- Corrosion and grit resistant

Features

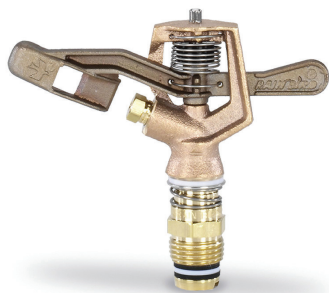
- Chemically resistant PTFE washers

Benefits

- Spoon drive arm runs on larger nozzles and higher pressures
- Built to last
- Five-year Customer Satisfaction Policy

Specifications

- Bearing: 1/2" (13mm) Male NPT, Brass
- Trajectory Angle: 23°
- Operating Range: 35-60 psi (2.4-4.1 bar)
- Flow Rate: 2.05-5.47 gpm (0.47-1.24 m³/h)
- Radius: 38-44 ft. (11.6-13.4 meters)
- Nozzle Port: 1/8" Female NPT



Straight Bore Nozzle (SBN-1) Performance*

psi @ Nozzle	NOZZLE SIZE (Stream Height: 6 ft.)							
	7/64"		1/8"		9/64"		5/32"	
	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)
35	38	2.05	38	2.68	39	3.39	39	4.19
40	38	2.19	39	2.86	40	3.62	39	4.47
45	39	2.32	39	3.03	40	3.84	40	4.73
50	39	2.45	39	3.20	40	4.05	40	5.00
55	39	2.57	40	3.35	40	4.24	40	5.23
60	39	2.68	40	3.50	41	4.43	41	5.47

Straight Bore Nozzle with Vane (SBN-1V)*

psi @ Nozzle	NOZZLE SIZE (Stream Height: 7 ft.)					
	1/8"		9/64"		5/32"	
	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)
35	39	2.68	41	3.39	42	4.19
40	40	2.86	41	3.62	42	4.47
45	40	3.03	42	3.84	42	4.73
50	41	3.20	42	4.05	43	5.00
55	41	3.35	43	4.24	43	5.23
60	41	3.50	43	4.43	44	5.47

Straight Bore Nozzle (SBN-1) Performance*

METRIC

bar @ Nozzle	NOZZLE SIZE (Stream Height: 1.8m)											
	2.78 mm (7/64")			3.18 mm (1/8")			3.57 mm (9/64")			3.97 mm (5/32")		
	Rad. (m)	Flow (l/s)	Flow (m ³ /h)	Rad. (m)	Flow (l/s)	Flow (m ³ /h)	Rad. (m)	Flow (l/s)	Flow (m ³ /h)	Rad. (m)	Flow (l/s)	Flow (m ³ /h)
2.4	11.6	0.13	0.47	11.7	0.17	0.61	12.0	0.21	0.77	12.0	0.26	0.95
2.5	11.6	0.13	0.47	11.8	0.17	0.62	12.1	0.22	0.78	12.0	0.27	0.97
3.0	11.8	0.14	0.52	12.0	0.19	0.68	12.2	0.24	0.86	12.1	0.29	1.06
3.5	11.9	0.16	0.56	12.1	0.20	0.73	12.3	0.26	0.93	12.3	0.32	1.14
4.0	12.0	0.17	0.60	12.2	0.22	0.78	12.4	0.27	0.99	12.4	0.34	1.22
4.1	12.0	0.17	0.61	12.2	0.22	0.79	12.5	0.28	1.01	12.5	0.35	1.24

Straight Bore Nozzle with Vane (SBN-1V)* METRIC

bar @ Nozzle	NOZZLE SIZE (Stream Height: 2.1m)								
	3.18 mm (1/8")			3.57 mm (9/64")			3.97 mm (5/32")		
	Rad. (m)	Flow (l/s)	Flow (m ³ /h)	Rad. (m)	Flow (l/s)	Flow (m ³ /h)	Rad. (m)	Flow (l/s)	Flow (m ³ /h)
2.4	12.0	0.17	0.61	12.5	0.21	0.77	12.8	0.26	0.95
2.5	12.1	0.17	0.62	12.5	0.22	0.78	12.8	0.27	0.97
3.0	12.3	0.19	0.68	12.8	0.24	0.86	13.0	0.29	1.06
3.5	12.5	0.20	0.73	13.0	0.26	0.93	13.1	0.32	1.14
4.0	12.5	0.22	0.78	13.2	0.27	0.99	13.3	0.34	1.22
4.1	12.5	0.22	0.79	13.3	0.28	1.01	13.4	0.35	1.24

* Available without Nozzle or Assembled with either a 7/64" (07) or 1/8" (08) Straight Bore Nozzle. All other Nozzles must be purchased separately. See Chart below.

Part Numbers and Ordering Information

Sprinkler Only	
Sprinkler without Nozzle	A05840

Assembled Sprinkler/Nozzle Factory Combination	
Sprinkler with Nozzle SBN-1 7/64"	A0584107
Sprinkler with Nozzle SBN-1 1/8"	A0584108

Nozzle Only		XX = Nozzle Size			
U.S. Standard		7/64"	1/8"	9/64"	5/32"
Metric		2.78 mm	3.18 mm	3.57 mm	3.97 mm
Brass Straight Bore Nozzle	SBN-1 105780-XX	07	08	09	10
Brass Straight Bore Nozzle with Vane	SBN-1V 106160-XX	—	08	09	10

Bold nozzle size number denotes the most common nozzle