



20JH

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

Bearing: 1/2" Male NPT, Brass

Trajectory Angle: 23°

Operating Range: 35-60 psi 2.4-4.1 bars

Flow Rate: 2.05-4.7 GPM 0.47-1.24 m³/h

Radius: 38-44 ft. 11.6-13.4 meters

One 1/8" Female NPT Nozzle Port

Features

- Durable brass die-cast arm
- Stainless steel springs and fulcrum pin
- Chemically resistant Teflon™ washers
- Two-year warranty

Benefits

- Spoon drive arm runs on larger nozzles and higher pressures
- Corrosion and grit resistant
- Built to last

U.S. STANDARD DATA | METRIC DATA

PERFORMANCE DATA

20JH

STRAIGHT BORE NOZZLE (SBN-1)*

(Stream Height: 6 ft.)

PSI @ Nozzle	NOZZLE SIZE US STANDARD							
	7/64"		1/8"		9/64"		5/32"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	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)*

(Stream Height: 7 ft.)

PSI @ Nozzle	NOZZLE SIZE US STANDARD					
	1/8"		9/64"		5/32"	
	Rad.	GPM	Rad.	GPM	Rad.	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)*

(Stream Height: 1.8m)

BARS @ Nozzle	NOZZLE SIZE METRIC											
	2.78 mm (7/64")			3.18 mm (1/8")			3.57 mm (9/64")		3.97 mm (5/32")			
	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)			
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)*

(Stream Height: 2.1m)

BARS @ Nozzle	NOZZLE SIZE METRIC								
	3.18 mm (1/8")			3.57 mm (9/64")		3.97 mm (5/32")			
	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	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-1-V 106160-XX	—	08	09	10

Bold nozzle size numbers denote the most common nozzle choices.