

70CH

1" (25mm) Full Circle, Brass Impact Sprinkler

- Heavy duty brass construction
- 70CH Female NPT Bearing

Features

- Stainless steel springs and fulcrum pin
- Chemically resistant washers
- Dual nozzle ports

Benefits

- Low angle ideal for windy conditions
- Integral straightening vanes increase distance of throw
- Wide range of flow rates
- Corrosion and grit resistant
- Built to last
- Five-year Customer Satisfaction Policy

Specifications

- Bearing: 1" (25mm) Female NPT, Brass
- Trajectory Angle: 21°
- Operating Range: 40-80 psi (2.8-5.5 bar)
- Flow Rate: 8.8-45.8 gpm (2.00-10.40 m³/h)
- Radius: 57-82 ft. (17.39-25.01 meters)
- Nozzle Port: 3/8" Female NPT
- Spreader Nozzle Port: 3/8" Female NPT

(Spreader Nozzle Port requires Spreader Bushing to accept LAN-20 Nozzles)

Straight Bore Nozzle (SBN-4) with Plug Performance*

psi@ Nozzle	NOZZLE SIZE (Stream Height: 8 ft.)													
	7/32"		1/4"		9/32"		5/16"		11/32"		3/8"		13/32"	
	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)
40	57	8.80	60	11.50	62	14.60	65	17.70	66	21.10	68	24.40	70	28.50
45	58	9.40	61	12.20	64	15.50	66	18.90	68	22.50	70	26.00	72	30.40
50	59	9.90	62	12.90	65	16.30	68	20.00	70	23.80	71	27.50	73	32.30
55	60	10.40	63	13.60	66	17.20	70	21.00	71	25.00	73	29.10	75	34.00
60	61	10.90	64	14.20	67	18.00	71	22.00	73	26.20	74	30.60	77	35.70
65	62	11.40	65	14.80	68	18.80	72	23.00	74	27.40	76	32.00	78	37.30
70	63	11.80	66	15.40	70	19.50	73	23.90	76	28.50	77	33.20	79	38.90
75	64	12.20	67	16.00	71	20.30	74	24.80	77	29.60	78	34.50	81	40.40
80	65	12.60	68	16.50	72	20.90	75	25.70	78	30.60	80	35.70	82	41.80

Straight Bore Nozzle (SBN-4) with Spreader (LAN-1-20) Performance*

psi@ Nozzle	NOZZLE SIZE (Stream Height: 8 ft.)													
	7/32" x 1/8-20"		1/4" x 1/8-20"		9/32" x 1/8-20"		5/16" x 1/8-20"		11/32" x 1/8-20"		3/8" x 1/8-20"		13/32" 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)
40	57	11.60	60	14.30	62	17.40	65	20.50	61	23.90	68	27.20	70	31.40
45	58	12.40	61	15.20	64	18.50	66	21.90	68	25.50	70	29.00	72	33.40
50	59	13.00	62	16.00	65	19.40	68	23.10	70	26.90	71	30.60	73	35.50
55	60	13.70	63	16.90	66	20.40	70	24.30	71	28.30	73	32.40	75	37.40
60	61	14.30	64	17.60	67	21.40	71	25.40	73	29.60	74	34.00	77	39.20
65	62	15.00	65	18.40	69	22.40	72	26.60	74	31.00	76	35.60	78	40.90
70	63	15.50	66	19.10	70	23.20	73	27.60	75	32.20	77	36.90	79	42.70
75	64	16.00	67	19.80	71	24.10	74	28.60	77	33.40	78	38.30	81	44.30
80	65	16.50	68	20.40	72	24.80	75	29.60	78	34.50	80	39.60	82	45.80

* Nozzles must be purchased separately. See Chart below.



Item Numbers and Ordering Information

Sprinkler Only	
Sprinkler without Nozzle, Without Plug, Without Bushing; Female body (70CH)	A20000
Sprinkler without Nozzle, Without Plug, Without Bushing; Male body (70CHM)	A20030

Nozzle Only			XX = Nozzle Size							
U.S. Standard			1/8"	7/32"	1/4"	9/32"	5/16"	11/32"	3/8"	13/32"
Metric			1.59mm	1.70mm	1.78mm	1.98mm	2.18mm	2.38mm	2.78mm	3.18mm
Brass Straight Bore Nozzle	SBN-4	100382-XX	—	14	16	18	20	22	24	26
Brass Spreader Bushing	SPB-1	100418	Needed for use with LAN-1-20							
Brass 20° Low Angle Spreader Nozzle	LAN-1-20	100226	08	—	—	—	—	—	—	—
Brass Plug		100417								

Bold nozzle size number denotes the most common nozzle choice.

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Straight Bore Nozzle (SBN-4) with Plug Performance*															METRIC
bar @ Nozzle	NOZZLE SIZE														(Stream Height: 2.4m)
	5.56 mm (7/32")			6.35 mm (1/4")			7.14 mm (9/32")			7.94 mm (5/16")			8.73 mm (11/32")		
	Rad. (m)	Flow (l/s)	Flow (m³/h)	Rad. (m)	Flow (l/s)	Flow (m³/h)	Rad. (m)	Flow (l/s)	Flow (m³/h)	Rad. (m)	Flow (l/s)	Flow (m³/h)	Rad. (m)	Flow (l/s)	Flow (m³/h)
2.8	17.4	0.56	2.00	18.3	0.73	2.61	19.1	0.92	3.32	19.8	1.12	4.02	20.3	1.33	4.79
3.0	17.7	0.58	2.09	18.5	0.76	2.72	19.4	0.96	3.46	20.1	1.17	4.21	20.6	1.39	5.01
3.5	18.2	0.63	2.26	18.9	0.82	2.95	20.0	1.04	3.73	20.8	1.27	4.58	21.4	1.51	5.45
4.0	18.6	0.67	2.43	19.4	0.88	3.17	20.5	1.12	4.01	21.6	1.36	4.90	22.1	1.62	5.84
4.5	19.1	0.72	2.59	19.8	0.94	3.37	21.0	1.19	4.28	22.1	1.45	5.23	22.7	1.73	6.23
5.0	19.5	0.76	2.72	20.3	0.99	3.56	21.5	1.26	4.52	22.6	1.54	5.53	23.3	1.83	6.60
5.5	19.8	0.79	2.86	20.7	1.04	3.75	21.9	1.32	4.75	23.0	1.62	5.84	23.8	1.93	6.95

Straight Bore Nozzle (SBN-4) with Spreader (LAN-1-20) Performance*															METRIC
bar @ Nozzle	NOZZLE SIZE														(Stream Height: 2.4m)
	5.56 mm x 3.18 mm (7/32" x 1/8") 20°			6.35 mm x 3.18 mm (1/4" x 1/8") 20°			7.14 mm x 3.18 mm (9/32" x 1/8") 20°			7.94 mm x 3.18 mm (5/16" x 1/8") 20°			8.73 mm x 3.18 mm (11/32" x 1/8") 20°		
	Rad. (m)	Flow (l/s)	Flow (m³/h)	Rad. (m)	Flow (l/s)	Flow (m³/h)	Rad. (m)	Flow (l/s)	Flow (m³/h)	Rad. (m)	Flow (l/s)	Flow (m³/h)	Rad. (m)	Flow (l/s)	Flow (m³/h)
2.8	17.4	0.73	2.63	18.3	0.90	3.25	19.1	1.10	3.95	19.8	1.29	4.66	20.3	1.51	5.43
3.0	17.7	0.77	2.76	18.5	0.94	3.39	19.4	1.15	4.13	20.1	1.35	4.88	20.6	1.58	5.68
3.5	18.2	0.83	2.98	18.9	1.02	3.66	20.0	1.23	4.44	20.8	1.47	5.29	21.4	1.71	6.16
4.0	18.6	0.89	3.19	19.4	1.09	3.93	20.5	1.32	4.77	21.6	1.57	5.67	22.1	1.83	6.60
4.5	19.1	0.95	3.41	19.8	1.16	4.19	21.0	1.42	5.10	22.1	1.68	6.05	22.7	1.96	7.05
5.0	19.5	0.99	3.58	20.3	1.23	4.42	21.5	1.49	5.37	22.6	1.77	6.38	23.3	2.07	7.45
5.5	19.8	1.04	3.75	20.7	1.29	4.63	21.9	1.56	5.63	23.0	1.87	6.72	23.8	2.18	7.84

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