



Full Circle Impact Sprinklers 1" (25 mm) Sprinklers

70CH / 70CHM

1" 25 mm Full Circle, Brass Impact Sprinkler

- Heavy duty brass construction
- 70CH 1" Female NPT Bearing
- 70CHM has 1" Male bearing Integral Straightening Vanes

Features

- Stainless steel springs and fulcrum pin
- Chemically resistant washers
- Dual nozzle ports
- Two-year Customer Satisfaction Policy

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

Specifications

- Bearing: 1" Female NPT, Brass (70CH)
- Bearing: 1" Male NPT, Brass (70CHM)
- 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
- Two 3/8" Female NPT Nozzle Ports (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: 8ft.)						
	7/32"	1/4"	9/32"	5/16"	11/32"	3/8"	13/32"
	Rad. gpm	Rad. gpm	Rad. gpm	Rad. gpm	Rad. gpm	Rad. gpm	Rad. 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: 8ft.)						
	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. gpm	Rad. gpm	Rad. gpm	Rad. gpm	Rad. gpm	Rad. gpm	Rad. 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.

