



SM20VH

1/2" (13 mm) Full Circle, Stainless Steel Impact Sprinkler

Bearing: 1/2" Male NPT, Plastic
Trajectory Angle: 17°
Operating Range: 1.7-3.5 bars
Flow Rate: 0.20-0.56 m³/h
Radius: 6.71-11.29 meters

FEATURES

- Strong Drive Arm
- Special 50 Drill Nozzle available (Please specify A03350)
- Teflon™ wear washer for smooth rotation at lower pressures
- One piece, tubular stainless steel body
- Stainless steel arm
- Hooded spring
- Durable plastic, quick-fit nozzles
- Two-year warranty

BENEFITS

- Runs on smaller nozzle sizes
- Smooth rotation at lower pressures
- Minimal internal turbulence
- Greater distance of throw
- Superior corrosion resistance
- Great protection from the elements
- Quick and easy nozzle changes

PERFORMANCE DATA

SM20VH

Straight Bore Nozzle (SBN-1)

(Stream Height: 1.5m)

BARS @ Nozzle	NOZZLE SIZE											
	1.98 mm (5/64")			2.18 mm (44 DRILL)			2.38 mm (3/32")			2.78 mm (7/64")		
	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)
1.7	9.4	0.06	0.20	9.6	0.07	0.24	9.8	0.08	0.29	10.1	0.11	0.39
2.0	9.7	0.06	0.22	9.8	0.07	0.26	9.9	0.09	0.31	10.2	0.12	0.42
2.5	10.1	0.07	0.24	10.1	0.08	0.29	10.3	0.10	0.35	10.6	0.13	0.47
3.0	10.3	0.07	0.27	10.5	0.09	0.32	10.6	0.11	0.38	10.9	0.14	0.52
3.5	10.7	0.08	0.28	10.8	0.10	0.34	11.0	0.11	0.41	11.3	0.15	0.56

Low Pressure Nozzle (LPN-1)

(Stream Height: 1.5m)

BARS @ Nozzle	NOZZLE SIZE											
	1.98 mm (5/64")			2.18 mm (44 DRILL)			2.38 mm (3/32")			2.78 mm (7/64")		
	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)
1.7	9.1	0.06	0.20	9.3	0.07	0.24	9.4	0.08	0.29	9.8	0.11	0.39
2.0	9.4	0.06	0.22	9.5	0.07	0.26	9.7	0.09	0.31	10.0	0.12	0.42
2.5	9.8	0.07	0.24	10.0	0.08	0.29	10.1	0.10	0.35	10.4	0.13	0.47
3.0	10.2	0.07	0.27	10.3	0.09	0.32	10.5	0.11	0.38	10.8	0.14	0.52
3.5	10.4	0.08	0.28	10.5	0.10	0.34	10.7	0.11	0.41	11.0	0.15	0.56

Spacing Master Nozzle (SMN-1)

(Stream Height: 1.5m)

BARS @ Nozzle	NOZZLE SIZE											
	1.98 mm (5/64")			2.18 mm (44 DRILL)			2.38 mm (3/32")			2.78 mm (7/64")		
	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)	Rad. (m)	Flow (lps)	Flow (m ³ /h)
1.7	6.7	0.06	0.20	6.9	0.07	0.24	7.0	0.08	0.29	7.5	0.11	0.39
2.0	6.9	0.06	0.22	7.1	0.07	0.26	7.3	0.09	0.31	7.7	0.12	0.42
2.5	7.4	0.07	0.24	7.5	0.08	0.29	7.7	0.10	0.35	8.2	0.13	0.47
3.0	7.7	0.07	0.27	7.9	0.09	0.32	8.0	0.11	0.38	8.5	0.14	0.52
3.5	8.1	0.08	0.28	8.2	0.10	0.34	8.4	0.11	0.41	8.8	0.15	0.56

Chart data for SMN-1 shown on 30 cm riser.

PART NUMBERS AND ORDERING INFORMATION

Nozzle Ordering Example	MAKE YOUR NOZZLE CHOICE	CHOOSE YOUR NOZZLE SIZE	ADD THEM TOGETHER TO CREATE THE NOZZLE PART NUMBER
To order a 1.98 mm Plastic Straight Bore Nozzle the part number would be:	108831-	05	108831-05

Sprinkler Only	
SPRINKLER	
SM20VH For use with SBN-1, LPN-1, SMN-1 only	A03300

Sprinkler Only	
SPRINKLER	
SM20VH For use with LPN-50 only	A03350

Nozzle Only						
NOZZLE		1.78 mm	1.98 mm	2.18 mm	2.38 mm	2.78 mm
Plastic Straight Bore Nozzle (108831-)	SBN-1	–	05	44	06	07
Plastic Low Pressure Nozzle (109248-)	LPN-1	–	05	44	06	07
Plastic Low Pressure Nozzle (109248-50)	LPN-50	50	use with A03350 only			
Plastic Spacing Master Pressure Nozzle (108800-)	SMN-1	–	05	44	06	07

For model SM20VH, sprinkler and nozzle must be ordered separately.