



M20VH M20VH-PM

1/2" (13 mm) Full Circle,
Brass, Wedge Drive
Impact Sprinkler

Bearing: 1/2" Male NPT
VH Model: Brass
PM Model: Plastic
Trajectory Angle: 15°
Operating Range: 1.7-5.5 bars
Flow Rate: 0.13-0.58 m³/h
Radius: 7.78-11.1 meters

FEATURES

- Patented, self-flushing wedge drive
- Durable brass die-cast arm
- Stainless steel springs and fulcrum pin
- Chemically resistant washers
- Two-year warranty

BENEFITS

- Wedge drive runs on smaller nozzles and lower pressures
- Self-flushing design reduces wear from grit
- Corrosion and grit resistant
- Built to last

PERFORMANCE DATA

M20VH/M20VH-PM

Straight Bore Nozzle (SBN-1) (Stream Height: 1.1m)

BARS @ Nozzle	NOZZLE SIZE											
	1.59 mm (1/16")			1.70 mm (51 DRILL)			1.78 mm (50 DRILL)			1.98 mm (5/64")		
	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	7.8	0.04	0.13	7.9	0.04	0.15	8.1	0.04	0.16	8.4	0.06	0.20
2.0	8.0	0.04	0.14	8.2	0.04	0.16	8.3	0.05	0.17	8.6	0.06	0.22
2.5	8.4	0.04	0.15	8.6	0.05	0.18	8.8	0.05	0.19	9.1	0.07	0.24
3.0	8.7	0.05	0.17	8.9	0.05	0.19	9.1	0.06	0.21	9.4	0.07	0.27
3.5	9.0	0.05	0.18	9.1	0.06	0.21	9.4	0.06	0.23	9.8	0.08	0.28

BARS @ Nozzle	NOZZLE SIZE								
	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)
1.7	8.7	0.07	0.24	9.0	0.08	0.29	9.4	0.11	0.39
2.0	8.9	0.07	0.26	9.2	0.09	0.31	9.7	0.12	0.42
2.5	9.4	0.08	0.29	9.7	0.10	0.35	10.1	0.13	0.47
3.0	9.7	0.09	0.32	10.0	0.11	0.38	10.6	0.14	0.52
3.5	9.9	0.10	0.34	10.2	0.11	0.41	10.8	0.15	0.56

Rain Flow Nozzle (RFN-1)

BASE PRESSURE BARS	RADIUS (m)			
	0.23 m ³ /h (0.06 lps)	0.34 m ³ /h (0.09 lps)	0.45 m ³ /h (0.13 lps)	0.57 m ³ /h (0.16 lps)
2.1	8.7	9.3	9.9	-
2.5	9.0	9.6	10.1	-
3.0	9.2	9.8	10.3	-
3.5	9.3	9.9	10.4	10.8
4.0	9.4	10.0	10.5	10.9
4.5	-	10.1	10.6	11.1
5.0	-	10.2	10.7	11.1
5.5	-	10.2	10.7	11.1

Low Pressure Nozzle (LPN-1) (Stream Height: 1.1m)

BARS @ Nozzle	NOZZLE SIZE														
	1.70 mm (50 DRILL")			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)	Rad. (m)	Flow (lps)	Flow (m ³ /h)
1.7	8.1	0.04	0.16	8.2	0.06	0.20	8.7	0.07	0.25	9.0	0.08	0.30	9.4	0.11	0.41
2.0	8.4	0.05	0.17	8.6	0.06	0.22	8.8	0.08	0.27	9.2	0.09	0.32	9.7	0.12	0.44
2.5	8.9	0.05	0.19	9.1	0.07	0.24	9.2	0.08	0.30	9.7	0.10	0.36	10.1	0.14	0.49
3.0	9.4	0.06	0.21	9.5	0.07	0.27	9.7	0.09	0.33	10.0	0.11	0.40	10.6	0.15	0.54
3.5	9.6	0.06	0.23	9.8	0.08	0.29	9.9	0.10	0.35	10.2	0.12	0.42	10.8	0.16	0.58

PART NUMBERS AND ORDERING INFORMATION

Ordering Example	MAKE YOUR SPRINKLER CHOICE FROM CHART 1	CHOOSE NOZZLE SIZE (S) FROM CHART 2	ADD THEM TOGETHER TO CREATE THE PART NUMBER
To order an M20VH sprinkler with a 2.38 mm Brass Straight Bore Nozzle the part number would be:	A05991-	06	A05991-06

Chart 1: M20VH-PM	PART NUMBER: FIRST HALF
SPRINKLER ONLY	
M20VH-PM Sprinkler without Nozzle	A05980
SPRINKLER WITH SINGLE NOZZLE INSTALLED	
Sprinkler with SBN-1	A05981-
Sprinkler with LPN-1	A05982-
Sprinkler with RFN-1	A05983-
Sprinkler with PQFN-1	A05984-

Chart 1: M20VH	PART NUMBER: FIRST HALF
SPRINKLER ONLY	
M20VH Sprinkler without Nozzle	A05990
SPRINKLER WITH SINGLE NOZZLE INSTALLED	
Sprinkler with SBN-1	A05991-
Sprinkler with LPN-1	A05992-
Sprinkler with RFN-1	A05993-
Sprinkler with PQFN-1	A05994-

Chart 2		PART NUMBER: SECOND HALF						
NOZZLE		1.59 mm	1.70 mm	1.78 mm	1.98 mm	2.18 mm	2.38 mm	2.78 mm
Brass Straight Bore Nozzle (105780-)	SBN-1	04	51	50	05	44	06	07
Brass Low Pressure Nozzle (104571-)	LPN-1	-	-	50	05	44	06	07
Plastic Straight Bore Quick-Fit Nozzle (117324-)	PQFN-1	04	51	50	05	-	06	07
RAIN FLOW NOZZLE		0.23 m³/h		0.34 m³/h		0.45 m³/h		0.57 m³/h
Brass Rain Flow Nozzle (111088-)	RFN-1	01-00		01-50		02-00		02-50

Bold nozzle size numbers denote the most common nozzle choices.