



## M20VH M20VH-PM

1/2" Full Circle, Brass,  
Wedge Drive Impact Sprinkler

Bearing: 1/2" Male NPT

VH Model: Brass

PM Model: Plastic

Trajectory Angle: 15°

Operating Range: 25-80 psi

Flow Rate: .56-2.55 GPM

Radius: 25-36 ft.

### 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: 3.5 ft.)

PSI @ Nozzle	NOZZLE SIZE													
	1/16"		51 DRILL		50 DRILL		5/64"		44 DRILL		3/32"		7/64"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	25	0.56	26	0.65	26	0.70	27	0.88	28	1.07	29	1.27	31	1.73
30	26	0.62	27	0.71	27	0.78	28	0.97	29	1.17	30	1.39	32	1.90
35	27	0.66	28	0.77	28	0.84	29	1.05	30	1.27	31	1.50	33	2.05
40	28	0.72	28	0.83	29	0.90	30	1.12	31	1.36	32	1.61	34	2.19
45	29	0.75	29	0.87	30	0.95	31	1.19	32	1.44	33	1.71	35	2.32
50	29	0.80	30	0.92	31	1.00	32	1.25	32	1.51	33	1.80	35	2.45

### Low Pressure Nozzle (LPN-1)

(Stream Height: 3.5 ft.)

PSI @ Nozzle	NOZZLE SIZE									
	50 DRILL		5/64"		44 DRILL		3/32"		7/64"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	26	0.71	27	0.90	27	1.11	29	1.32	31	1.81
30	28	0.77	28	0.98	29	1.21	30	1.45	32	1.98
35	29	0.84	29	1.06	30	1.31	31	1.57	33	2.14
40	30	0.90	30	1.13	31	1.41	32	1.67	34	2.28
45	31	0.95	31	1.20	32	1.49	33	1.78	35	2.42
50	31	1.00	31	1.27	32	1.56	34	1.87	35	2.55

### Rain Flow Nozzle (RFN-1)

BASE PRESSURE PSI	RADIUS			
	1.0 GPM	1.5 GPM	2.0 GPM	2.5 GPM
30	28	30	32	-
40	30	32	33	-
50	30	32	34	35
60	31	33	34	36
70	-	33	35	36
80	-	33	35	36

## 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 3/32" Brass Straight Bore Nozzle the part number would be:	<b>A05991-</b>	<b>06</b>	<b>A05991-06</b>

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

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

Chart 2		PART NUMBER: SECOND HALF							
NOZZLE		1/16"	51 DRILL	50 DRILL	5/64"	44 DRILL	3/32"	7/64"	
Brass Straight Bore Nozzle (105780-)	SBN-1	<b>04</b>	<b>51</b>	<b>50</b>	<b>05</b>	<b>44</b>	<b>06</b>	<b>07</b>	
Brass Low Pressure Nozzle (104571-)	LPN-1	-	-	<b>50</b>	<b>05</b>	<b>44</b>	<b>06</b>	<b>07</b>	
Plastic Straight Bore Quick-Fit Nozzle (117324-)	PQFN-1	<b>04</b>	<b>51</b>	<b>50</b>	<b>05</b>	-	<b>06</b>	<b>07</b>	
<b>RAIN FLOW NOZZLE</b>		<b>1.0 GPM</b>		<b>1.5 GPM</b>		<b>2.0 GPM</b>		<b>2.5 GPM</b>	
Brass Rain Flow Nozzle (111088-)	RFN-1	<b>01-00</b>	<b>01-50</b>	<b>02-00</b>	<b>02-50</b>				

Bold nozzle size numbers denote the most common nozzle choices.