



# TYPE BM SOLID CONE

Spray Nozzle Engineering P/L has been a long time supplier of speciality vehicle fire protection nozzles to every major fire protection company in the Australasian market. The **BM** style nozzles have become an industry standard on foam application sprays for the protection of vehicle engine bays in many industries including mining and farming. With many thousands of **BM** style fire protection nozzles in use over many years, they have proven themselves to be the first choice in these applications.

Spray Nozzle Engineering P/L has also developed patent pending nozzle dust caps and retention lanyards utilising the simple but novel use of an O-Ring inside the protective cap to retain itself on a standard non-modified **BM** nozzle tip and protect it. This design has also become an industry standard.

The **BM** style nozzle is available in many spray angles and flow rates and Spray Nozzle Engineering P/L offers a wide selection of materials and thread sizes and industry approvals including Lloyd's Register and Factory Mutual certifications. Some of the more commonly accepted sizes are detailed below.

## Design Features

- \* Uniform distribution of droplets in a full cone pattern.
- \* Droplet size is larger than in hollow cone nozzles of equal capacity.
- \* Small to medium droplet size.
- \* Protective cover and lanyard available.
- \* Male and female connections.
- \* One piece body with removable core.
- \* Various core options available including **VX** ( X-Vane ) as standard.



## Materials of Construction

- \* Available in brass, 303ss, 316ss and other materials.

## Typical Ordering Instructions

- \* 1/4" BM 17 N, Brass.

Nozzle Reference Number	Approx Orifice Dia. mm	Litres per Minute at BarG							Approx. Spray Angle at BarG		
		1	1.5	3	5	7	9	11	1.5	3	7
Male Thread											
1/4" BM 6 N	1.6	1.5	1.9	2.7	3.2	3.5	4	4.4	44°	47°	40°
1/4" BM 8 N	2.00	2.3	2.8	4.0	4.8	5.7	6.4	7.0	54°	59°	53°
1/4" BM 9 NN	2.2	2.1	2.5	3.6	4.6	5.4	6.1	6.9	24°	30°	30°
1/4" BM 9 N	2.2	2.1	2.5	3.6	4.6	5.4	6.1	6.9	50°	60°	70°
1/4" BM 9 M	2.2	2.1	2.5	3.6	4.6	5.4	6.1	6.9	80°	85°	90°
1/8" BM F 12 M	2.6	3.3	4.2	5.8	6.6	7.6	8.5	9.4	40°	45°	39°
3/8" BM F 15NN	2.5	3.4	3.9	5.9	7.6	9	10.2	11.3	30°	30°	30°
1/4" BM NF 2080	3.9x1.9	4.5	5.4	8.1	9.9	12.3	14	15.5	80°	80°	80°
1/4" BM 16 W	2.80	4.3	5.2	7.2	9.1	10.7	12.1	13.3	117°	120°	90°
1/4" BM 17 N	2.95	4.4	5.4	7.6	9.5	11.4	12.9	14.1	70°	75°	69°