

# VEHICLE FIRE PROTECTION NOZZLES

## TYPE BM SOLID CONE

**Spray Nozzle Engineering** has been a long time supplier of speciality vehicle fire protection nozzles to every major fire protection companies 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** has also developed patented nozzle dust caps with retention lanyards. Utilising the simple novel use of an O-ring, inside the protective cap to retain itself on a standard no-modified **BM** nozzle tip to protect it. This design has also become an industry standard. The internal O-ring is captive and protected inside the cap; rather than exposed as with old style nozzles, that had the O-ring mounted on the nozzle body half. This in turn meant an extra costly machining operation to the nozzle. Now this is a thing of the past.

The **BM** style nozzle is available in many spray angles and flow rates and Spray Nozzle Engineering 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 sized are detailed below

### Design features of the Spray Nozzle Engineering "BM Sold Cone Nozzle:

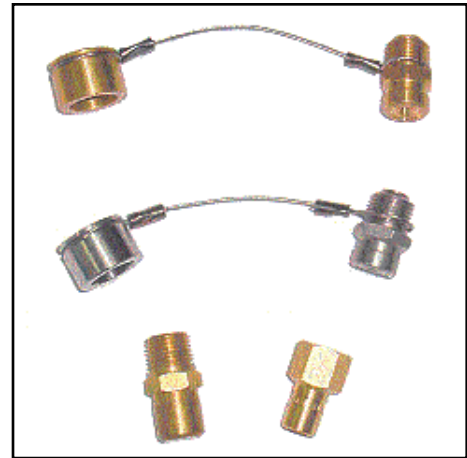
- Uniform distribution of droplets in a full cone pattern
- Droplet size is larger than in hollow cone nozzles of equal capacity
- Small to medium droplet size
- Protective cover and lanyard available (patented)
- Male and female connection (BSP & NPT)
- One piece body with removable core
- Various core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

### Material of Construction

- Available in brass, 303ss, 316ss and other materials

### Typical Ordering Instructions

- 1/4 BM 17N Brass.



### PERFORMANCE DATA\*

Nozzle Reference Number	APPROX ORIFICE DIA. MM	LITRES PER MINUTE AT BAR G							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°	5.3°
1/4" BM 9 NN	2.20	2.1	2.5	3.6	4.6	5.4	6.1	6.9	24°	30°	30°
1/4" BM 17 N	2.95	4.4	5.4	7.6	9.5	11.4	12.9	14.1	70°	75°	69°
1/4" BM 16 W	2.80	4.3	5.2	7.2	9.1	10.7	12.1	13.3	117°	120°	90°
1/8" BM F 12 M	2.60	3.3	4.2	5.8	6.6	7.6	8.5	9.4	40°	45°	39°
3/8" F 15 NN	2.50	3.4	3.9	5.9	7.6	9.0	10.2	11.3	30°	30°	30°
1/4" BM NF 2080	3.9 x 1.9	4.5	5.4	8.1	9.9	12.3	14.0	15.5	80°	80°	80°

\* Note performance data based on water and may vary with other spray mediums. Clients test for suitability of application recommended prior to ordering.



**SprayNozzle ENGINEERING**  
Total Spraying Solutions

#### HEAD OFFICE: MELBOURNE, AUSTRALIA

PO Box 467, Moorabbin, Vic. 3189  
1-8/27 Shearson Crescent, Mentone, Vic. 3194  
Ph: 61 (0)3 9583 2368 • F: +61 (0)3 9585 0218  
Email : sales@spraynozzle.com.au

#### SYDNEY, AUSTRALIA

PO Box 161, Lugarno, NSW 2210  
Ph: 61 (0)2 9533 4690 • F: +61 (0)2 9533 4748  
Email : sales@spraynozzle.com.au

#### HAMILTON, NEW ZEALAND

PO Box 7155, Hamilton East, NZ 3247  
532c Grey Street, Hamilton East, NZ 3216  
Ph: +64 (0)7 839 6444 • Fax: +64 (0)7 839 6445  
Email : sales@spraynozzle.co.nz

[www.spraynozzle.com.au](http://www.spraynozzle.com.au)

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