

Application Devices



Medium Expansion Foam Nozzles

Description

Medium expansion foam has found applications for vapour mitigation and fire fighting when used with the appropriate foam concentrates. Applications include LPG and LNG fires, ammonia spills and similar applications. This type of nozzle is ideal for bund protection for low boiling point liquids.

Orion medium expansion nozzles are tested with our Hitron high expansion foam and Polarfilm 3/6 ARAFFF. Useability of other types of foam concentrate would need to be confirmed by testing.

When used with Polarfilm 3/6 the medium expansion foam nozzles produce a very stable foam with excellent fire extinguishing and vapour sealing properties.

Materials of Construction

Nozzles:	Brass/Bronze
Screens:	stainless steel
Body:	stainless steel
Inlet Adaptor:	Bronze
Fasteners:	Stainless steel

Technical Specifications

The Range of medium expansion nozzles ranges in flow from 200 litres per minute to over 1800 litres per minute.

The normal operating pressure range is 150 kPa to 450 kPa, though higher operating pressure are possible.

Typical expansion ratios for our medium expansion nozzles range from 20:1 to 50:1. Performance depends on the operating pressure and type of foam concentrate used.

ORION FIRE ENGINEERING PTY LIMITED

ABN 80 002 538 696

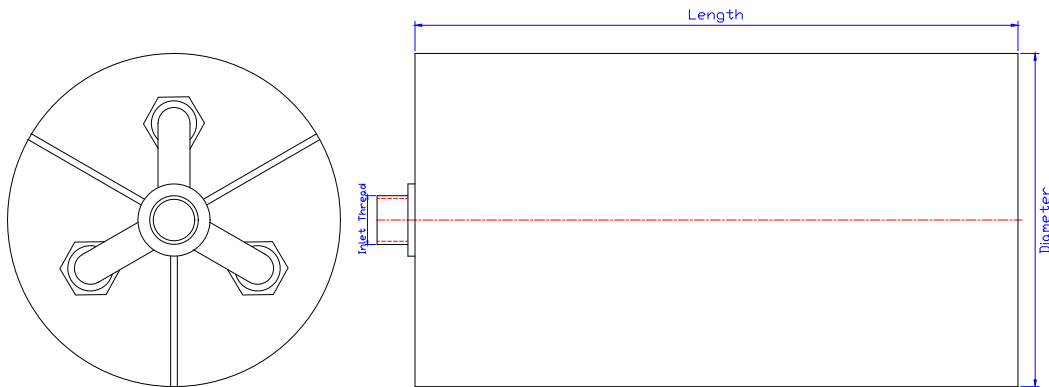
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Model	Specification			
	k-factor	Inlet	Length	Diameter
NME-12	12	40 BSP	420	220
NME-28	28	50 BSP	600	280
NME-38	38	50 BSP	650	320
NME-48	48	50 BSP	700	360
NME-80	80	65 BSP	890	450
NME-107	107	80 BSP	920	550

(k-factor for lpm and kPa)



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