

K40 & K20 Foam/Water Sprinklers

These Angus Foam/Water sprinklers are open, air aspirating discharge heads designed for use as part of an engineered fire protection system. Each sprinkler is designed for mounting in the pendant position and produces a solid cone discharge (as detailed overleaf), with very similar spray patterns for both foam and water. The fire protection system can therefore be designed in accordance with NFPA 11/16, to deliver an initial foam discharge to combat a flammable liquid fire, followed by a period of water discharge to provide additional cooling if required.

The K40 Mk2 is designed to meet 6.5 litres/metre²/minute application rates under NFPA spacing requirements, whilst the K20 Mk2 is designed for applications requiring 4.1 litres/metre²/minute.

These well tried and tested foam/water sprinklers are installed worldwide. Popular applications include process area protection, road and rail tanker loading bays, warehousing and aircraft hangars. They are particularly well suited for use in high risk situations where mixed risk flammable liquids are stored. When used in conjunction with Angus Alcoséal AR-FFFP multi-purpose foam concentrate both K40 Mk2 and K20 Mk2 provide excellent quality of finished foam, sealing off vapours and protecting against re-ignition.

Both these foam/water sprinklers are compact, robust and consequently less easily damaged than conventional designs. Each sprinkler is entirely constructed from 316 stainless steel, which provides excellent corrosion resistance and makes them particularly well suited to process area and coastal applications.

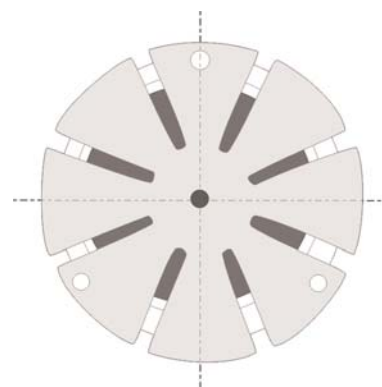
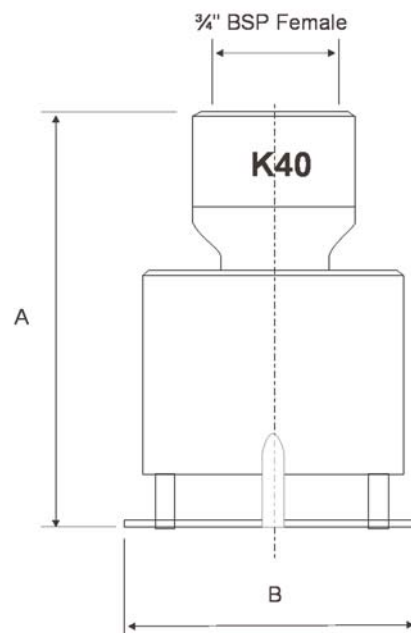
They are designed to produce finished foam with an expansion ratio in the range 5:1 to 7:1 over a 1 - 7 bar.g. (15 - 100 psi) operating range.

Flow (litres/min) = K/P where P is inlet pressure (bar.g.)

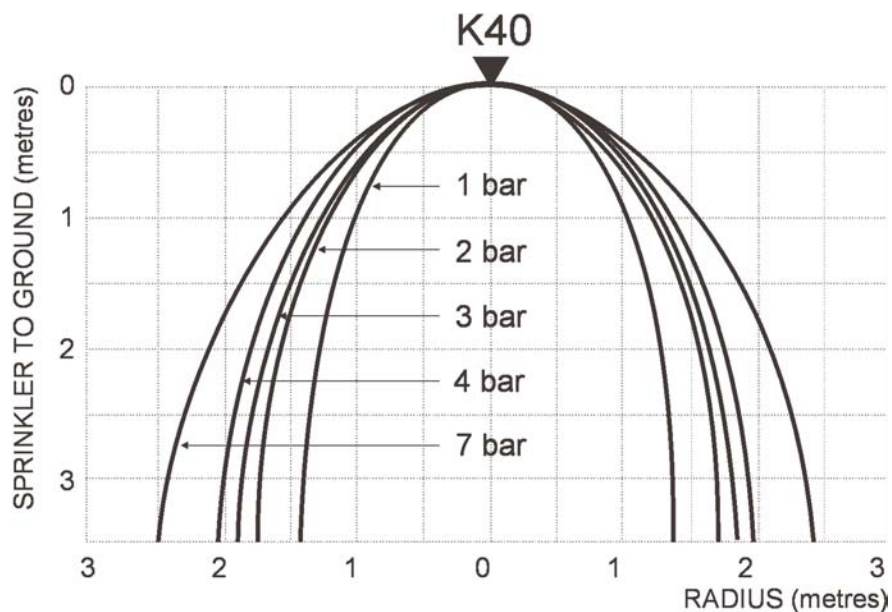
APPROVALS

Lloyd's Register of Shipping : K40 Mk2

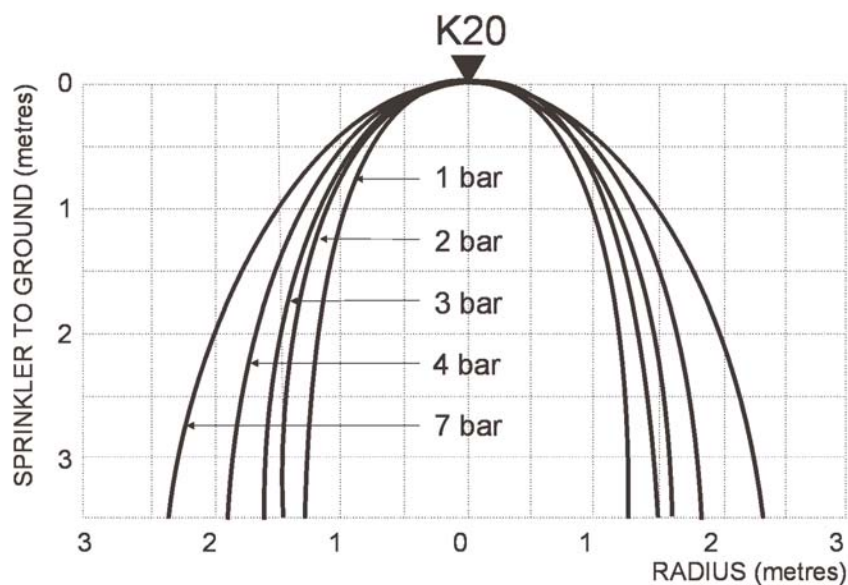
Maritime and Coastguard Agency : K40 Mk2



K40 & K20 Foam/Water Sprinklers



Typical print diameter = 3.9 metres at 4 bar.g. when mounted 2.5 metres above ground



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DIMENSIONS (nominal)

Foam/Water Sprinklers	K40 Mk2	K20 Mk2
A (mm)	87.7	87.7
B (mm)	61 (diameter)	48 (diameter)
Inlet connection	3/4" BSP Female	3/4" BSP Female
Approx. weight	0.41 Kg	0.36 Kg