



BSI Standards Publication

Fixed firefighting systems — Water mist systems

Part 2: Product characteristics and test methods for nozzles

National foreword

This British Standard is the UK implementation of EN 17450-2:2024.

The UK participation in its preparation was entrusted to Technical Committee FSH/18/5, Watermist systems.

A list of organizations represented on this committee can be obtained on request to its committee manager.

The UK committee's experience has found product failure due to the aging of nozzles and dynamic O-rings, where present, to be an area of concern.

A dynamic O-ring is one that moves as part of the operating function; for example, one that holds a piston in place that moves when the bulb ruptures. Aging can cause the O-ring to stick, preventing piston movement and, thus, operation of the nozzle.

It is the view of the UK committee that EN 17450-2:2024 does not sufficiently cover certain technical and safety matters, pertaining particularly to the following topics:

- aging test (by heat exposure) for automatic nozzles;
- tamperproof and concealed nozzles;
- sulphur dioxide corrosion; and
- inspection and testing of in-service nozzles.

These have been addressed to some extent in National Annexes NA, NB and NC of this standard.

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