DIN EN 14972-15:2021-11 (E)

Fixed firefighting systems - Water mist systems - Part 15: Test protocol for combustion turbines in enclosures not exceeding 260 m<(hoch)3> for open nozzle systems

Contents

Page

European foreword 3

1 Scope 5

2 Normative references 5

3 Terms and definitions 5

4 General requirements 5

5 Test enclosure requirements 6

6 Combustion turbine mock-up requirements 8

7 Test equipment requirements 10

8 Instrumentation requirements 10

9 Fire test requirements 11
9.1 General 11
9.2 Unshielded 1 MW diesel spray fire 12
9.3 Shielded 1 MW diesel spray fire 12
9.4 Shielded 1 m2 diesel pool fire 14
9.5 Shielded 2 MW diesel spray fire, system performance under limited natural ventilation 16
9.6 Shielded 2 MW diesel spray fire, system performance at smaller enclosure volumes 16
9.7 Spray cooling (optional test) 17
9.8 Saturated insulation mat and spray fire (optional test) 19
9.9 Large saturated insulation mat (optional test) 19

10 Test report 20