

# 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<sup>3</sup> for open nozzle systems

---

<b>Contents</b>		<b>Page</b>
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 m <sup>2</sup> 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