

Water mist fire testing according to prEN 14972-17:2022 Test protocol for residential occupancies for automatic nozzle systems, and NS-EN 14972-1:2020 Annex A

Prevent Systems AS

Nozzle: Prev3exp

prEN 14972-17:2022 and NS-EN 14972-1:2020 Annex A



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Signed MG, KSA

Water mist fire testing according to prEN 14972-17:2022 Test protocol for residential occupancies for automatic nozzle systems, and NS-EN 14972-1:2020 Annex A

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REPORT NO.	20648-2	
REPORT ISSUED BY	RISE Fire Research AS (hereinafter referred to as RISE)	
DATE OF ISSUE	2023-12-04	
CLIENT/SPONSOR	Prevent Systems AS Fåberggata 126 2615 Lillehammer Norway	
CLIENT'S REF.	Erling Mengshoel	
NO. PAGES INCL. APPENDICES	34	
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STANDARD/METHOD	According to prEN 14972-17:2022 and NS-EN 14972-1:2020 Annex A	
TEST SPECIMEN	Nozzle: Prev3exp	
TEST SPECIMEN RECEIVED	2023-03-30	
DATE OF TEST	2023-03-30	
TEST LOCATION	RISE Fire Research AS Tillerbruvegen 202 NO-7092 Tiller Norway	
ACCREDITED TEST	Yes, according to valid version of ISO/IEC 17025 at time of testing	
PURPOSE OF TEST	Approval purpose Any test results relate only to the item tested.	
AUTHOR OF REPORT	Max Gribble, Engineer	
APPROVED BY	Kemal Sarp Arsava, Senior Scientist	

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TEST REPORT

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1

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Summary

Fire tests were performed on Nozzle: Prev3exp in an enclosure measuring 10 m x 5 m (L x W) with a roof height of 2.5 m and 3.5 m with a spacing of 4.0 m and 4.5 m. The nozzles showed a satisfactory performance according to the developed test protocol produced by RISE using the guidelines given in NS-EN 14972-1:2020 Annex A [1] and passed the test requirements according to prEN 14972-17:2022 [2].