TEST REPORT

Author	Report no.	Version	Date
Max Gribble	20648-1	1	2023-12-04

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

Prevent Systems AS

Nozzle: Prev3con

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

[RISE Research Institutes of Sweden AB] / [Safety and Transport] / [Fire and safety] / [Fire Research AS]

RISE Fire Research AS

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

PROJECT NO.	20648
REPORT NO.	20648-1
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	44
NO. APPENDICES	7 (A to G)
STANDARD/METHOD	According to prEN 14972-17:2022 and NS-EN 14972-1:2020 Annex A
TEST SPECIMEN	Nozzle: Prev3con
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	

Summary

Fire tests were performed on Nozzle: Prev3con 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 meter. 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].