

## Land Standards



Standard	
General Design & Installa	ition
EN 14972-1: 2020	Fixed firefighting systems - Water mist systems Design and installation
VdS 3188: 2020	Water Mist Sprinkler Systems and Water Mist Extinguishing Systems (High Pressure Systems) - Planning and Installation
NFPA 750: 2023	Standard on Water Mist Fire Protection Systems
FM Global Loss Prevention Data Sheet 4-2: 2022	Water mist systems

			- Flatilling and installation	
		NFPA 750: 2023 Standard on Water Mist Fire Protection Systems		
		FM Global Loss Prevention Data Sheet 4-2: 2022	Water mist systems	
Business Segment	Application	Fire Test Protocols		Type approva
		prEN 14972-17	Test protocol for residential occupancies for automatic nozzle systems	
Residential	Residential occupancies	BS 8458: 2015	Fixed fire protection systems – Residential and domestic watermist systems – Code of practice for design and installation	LPCB
		UL 2167: 2021	Water Mist Nozzles for Fire Protection Service Ch.44 - Residential area fire tests	UL
		EN 14972-3: 2021	Test protocol for office, school class rooms and hotel for automatic nozzle systems	
		EN 14972-4: 2024	Test protocol for non-storage occupancies for automatic nozzle systems	LPCB
		EN 14972-7: 2023	Test protocol for commercial low hazard occupancies for automatic nozzle systems	LPCB
	Offices, schools, hotels,	VdS 3883-1en: 2020	Fire Test Protocol for Water Mist Systems, Part 1: Protection of office spaces and accommodation areas	VdS
	recreational areas, etc (EUR OH1, FM HC-1, NFPA LH)	BS 8489-7: 2016	Fixed fire protection systems – Industrial and commercial watermist systems Part 7: Fire performance tests and requirements for watermist systems for the protection of low hazard occupancies	LPCB
		FM 5560: 2021	protection of low hazard occupancies  Approval Standard for Water Mist Systems, APPENDIX G: Fire tests for water mist systems for the protection of non-storage occupancies, Hazard Category 1 (HC-1) [formerly Light Hazard occupancies]	FM Approv
		UL 2167: 2021	Water Mist Nozzles for Fire Protection Service	
			Ch.43 - Shipboard public space fire tests & Ch.45 - Light Hazard area fire tests  Approval Standard for Water Mist Systems, APPENDIX G: Fire tests for water mist systems for the protection of non-storage occupancies, Hazard Category 1 (HC-1) [formerly Light Hazard occupancies]	EM Approv
	Sidewall sprinklers	FM 5560: 2021	Intersystems for the protection of non-storage occupancies, nazaro Category 1 (HC-1) (Formerly Light Hazard occupancies]  Protection of Office Spaces and Accommodation Areas with Water Mist	FM Approv
		VdS 3883-2en: 2020	Sidewall Sprinklers	VdS
	False floors and false ceilings	EN 14972-6: 2023	Test protocol for false floors and false ceilings for automatic nozzle systems  Fire Test Protocol for Water Mist Systems, Part 3: Protection of False Ceilings	
Commercial buildings		VdS 3883-3en: 2020	and False Floor of OH Group 1	VdS
	Atrium	EN 14972-10: 2022	Test protocol for atrium protection with sidewall nozzles for open nozzle systems	
		FprEN 14972-5	Test protocol for car garages for automatic nozzle systems	
	Car garages / Parking garages NFPA OH1	VdS 3883-4en: 2020	Fire Test Protocol for Water Mist Systems, Part 4: Protection of car garages	VdS
		UL 2167: 2021	Water Mist Nozzles for Fire Protection Service Ch.46 - Ordinary Hazard Group 1 fire tests	UL
	Sales, storage & shopping areas NFPA OH2	prEN 14972-2 (no published document available yet)	Test protocol for shopping areas for automatic nozzle systems	
		VdS 3883-5en	Fire Test Protocol for Water Mist Systems, Part 5: Protection of selected sales and storage areas and mechanical floors	VdS
		UL 2167: 2021	Water Mist Nozzles for Fire Protection Service Ch.47 - Ordinary Hazard Group 2 fire tests	
-	FM Global Non-Storage Occupancies, Hazard Category 2 (HC-2)	FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX P: Fire tests for water mist systems for the protection of non-storage occupancies, Hazard Category 2 (HC-2)	FM Approv
	FM Global Non-Storage Occupancies, Hazard Category 3 (HC-3)	FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX P: Fire tests for water mist systems for the protection of non-storage occupancies, Hazard Category 3 (HC-3)	FM Approv
		FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX M: Fire tests for water mist systems for the protection of data processing equipment rooms/halls - above raised floor	FM Approv
	Data halls	FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX N: Fire tests for water mist systems for the protection of data processing equipment rooms/halls - below raised floor	FM Approv
	Mechanical escalators	VdS-Rolltreppen/escalator _en_V1(Draft)-20.08.09	Test Setup and Requirements - Protection of mechanical escalator	VdS
	Commercial deep fat cooking fryers	FprEN 14972-12	Test protocol for commercial deep fat cooking fryers for open nozzle systems	
Industrial applications	Machinery spaces & turbine enclosures < 80 m <sup>3</sup>	FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX A: Fire tests for water mist systems for the protection of machinery in enclosures with volumes not exceeding 80 m <sup>3</sup>	FM Approv
		FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX B: Fire tests for water mist systems for the protection of combustion turbines in enclosures with volumes not exceeding 80 m <sup>3</sup>	FM Approv
	Machinery spaces & turbine enclosures < 260 m³	FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX C: Fire tests for water mist systems for the protection of machinery in enclosures	VdS,
		FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX D:	FM Approv
			Fire tests for water mist systems for the protection of combustion turbines in enclosures with volumes not exceeding 260 m <sup>3</sup> Test protocol for machinery in enclosures not exceeding 260 m <sup>3</sup> for open	FM Approv
		EN 14972-9: 2020	nozzle systems  Test protocol for combusiton turbines in enclosures not exceeding 260 m <sup>3</sup>	
		EN 14972-15: 2021	for open nozzle systems  Approval Standard for Water Mist Systems, APPENDIX E: Fire tests for water mist systems for the protection of machinery in enclosures with volumes exceeding 260 m <sup>2</sup>	VdS,
		FM 5560: 2021		FM Approv
	Machinery spaces & turbine enclosures > 260 m <sup>3</sup>	FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX F: Fire tests for water mist systems for the protection of combustion turbines in enclosures with volumes exceeding 260 m <sup>3</sup> Test protocol for machinery in enclosures exceeding 260 m <sup>3</sup>	FM Approv
		EN 14972-8: 2020	for open nozzle systems  Test protocol for combusiton turbines in enclosures exceeding 260 m <sup>3</sup>	
		EN 14972-14: 2021	for open nozzle systems	
	Local application	FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX I: Fire tests for water mist systems for the protection of local applications	FM Approv
	Wet benches and other	prEN 14972-13 (no published document available yet)	Test protocol for wet benches and other similar processing equipment for open nozele systems	
	similar processing equipment	FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX H: Fire tests for water mist systems for the protection of wet benches and other similar processing equipment	FM Approv
-	Chemical fume hoods	FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX L: Fire tests for water mist systems for the protection of chemical fume hoods	
	Industrial oil cookers	EN 14972-16: 2020	Test protocol for industrial oil cookers for open nozzle systems	
	Gustriai on Cookers	FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX J: Fire tests for water mist systems for the protection of industrial oil cookers	FM Approv
	Continuous wood board presses	FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX K: Fire tests for water mist systems for the protection of continuous wood board presses	FM Approv
		EN 14972-11: 2023	Test protocol for cable tunnels for open nozzle systems	
	Cable tunnels / Cable ducts	VdS 3883-8en	Fire Test Protocol for Water Mist Systems, Part 8: Protection of Cable Ducts	VdS
	Flammable liquid storages	VdS 3883-7en	Fire Test Protocol for Water Mist Systems, Part 7: Protection of Areas with	VdS
	and processing		Combustible Liquids	

Fire Test Protocol for Water Mist Systems, Part 6: Protection of Paint Booths

VdS

Paint shops / booths