

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

		V43 3 100.2020	- 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		
Business Segment	Application	Fire Test Protocols		Type approva	
_		prEN 14972-17 (no published document available yet)	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	UL	
		EN 14972-3:2021	Ch.44 - Residential area fire tests Test protocol for office, school class rooms and hotel for automatic		
	Offices, schools, hotels, recreational areas, etc (EUR OH1, FM HC-1, NFPA LH)	prEN 14972-4	nozzle systems Test protocol for non-storage occupancies for automatic nozzle systems		
		FprEN 14972-7	Test protocol for commercial low hazard occupancies for automatic		
		VdS 3883-1en:2020	nozzle systems Fire Test Protocol for Water Mist Systems, Part 1: Protection of office	VdS	
		BS 8489-7:2016	spaces and accommodation areas Fixed fire protection systems – Industrial and commercial watermist systems Part 7: Fire performance tests and requirements for watermist systems for the	Vus	
			protection of low hazard occupancies	504 A	
		FM 5560:2021	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] Water Mist Nozzles for Fire Protection Service	FM Approv	
		UL 2167:2021	Ch.43 - Shipboard public space fire tests & Ch.45 - Light Hazard area fire tests		
	Sidewall sprinklers	FM 5560:2021	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] 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		
Commercial buildings		VdS 3883-3en:2020	Fire Test Protocol for Water Mist Systems, Part 3: Protection of False Ceilings 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		
	Car garages / Parking garages NPFA OH1	prEN 14972-5 (no published document available yet)	Test protocol for car garages for automatic nozzle systems		
		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	
		prEN 14972-2 (no published document available yet)	Test protocol for shopping areas for automatic nozzle systems		
	Sales, storage & shopping areas NFPA OH2	VdS 3883-5en	Fire Test Protocol for Water Mist Systems, Part 5: Protection of selected sales and storage areas and mechanical floors	VdS	
	a.cas 111 171 0112	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	
	2	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	prEN 14972-12 (no published document available yet)	Test protocol for commercial deep fat cooking fryers for open nozzle systems		
Industrial applications	Machinery spaces & turbine enclosures < 80 m ³	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 ³	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 ³	FM Approv	
	Machinery spaces & turbine enclosures < 260 m ³	FM 5560:2021	Approval Standard for Water Mist Systems, APPENDIX C: Fire tests for water mist systems for the protection of machinery in enclosures with volumes not exceeding 260 m ³	VdS, FM Approv	
		FM 5560:2021	Approval Standard for Water Mist Systems, APPENDIX D: Fire tests for water mist systems for the protection of combustion turbines in	VdS, FM Approv	
		EN 14972-9 (2020)	enclosures with volumes not exceeding 260 m ³ Test protocol for machinery in enclosures not exceeding 260 m ³ for open	TWI Applov	
		EN 14972-15:2021	nozzle systems Test protocol for combusiton turbines in enclosures not exceeding 260 m ³ for even pozzle systems		
		FM 5560:2021	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 ³	VdS,	
		FM 5560:2021	with volumes exceeding 260 m ³ 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 ³	VdS,	
	Machinery spaces & turbine enclosures > 260 m ³	EN 14972-8 (2020)	Test protocol for machinery in enclosures exceeding 260 m ³	FM Approv	
			for open nozzle systems Test protocol for combusiton turbines in enclosures exceeding 260 m³		
	La cal amplication	EN 14972-14:2021	for open nozzle systems Approval Standard for Water Mist Systems, APPENDIX I:		
	Local application	FM 5560:2021 prEN 14972-13 (no published	Fire tests for water mist systems for the protection of local applications Test protocol for wet benches and other similar processing equipment	FM Approv	
	Wet benches and other similar processing equipment	document available yet)	for open nozzle systems		
		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 Approval Standard for Water Mist Systems, APPENDIX L:	FM Approv	
	Chemical fume hoods	FM 5560:2021	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		
		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	
	Cable tunnels / Cable ducts	EN 14972-11:2023	Test protocol for cable tunnels for open nozzle systems		
		VdS 3883-8en	Fire Test Protocol for Water Mist Systems, Part 8: Protection of Cable Ducts	VdS	
	Flammable liquid storages and processing	VdS 3883-7en	Fire Test Protocol for Water Mist Systems, Part 7: Protection of Areas with Combustible Liquids	VdS	
	Paint shops / booths	VdS 3883-6en	Fire Test Protocol for Water Mist Systems, Part 6: Protection of Paint Booths	VdS	

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

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Paint shops / booths