

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

		Va3 3100. 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	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		
		EN 14972-4: 2024	nozzle systems Test protocol for non-storage occupancies for automatic nozzle systems	LPCB	
		EN 14972-7: 2023	Test protocol for commercial low hazard occupancies for automatic	LPCB	
	Offices, schools, hotels,	VdS 3883-1en: 2020	nozzle systems Fire Test Protocol for Water Mist Systems, Part 1: Protection of office	VdS	
	recreational areas, etc (EUR OH1, FM HC-1, NFPA LH)	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 protection of low hazard occupancies	LPCB	
			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 5560: 2021	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	
Commercial buildings	False floors and false ceilings	EN 14972-6: 2023	Test protocol for false floors and false ceilings for automatic nozzle systems		
		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		
		EN 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	
	Data halls	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	
		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		
	Machinery spaces	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 toxlumes not exceeding 80 m ²	FM Approv	
	& turbine enclosures < 80 m ³	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	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 volume 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 enclosures with volumes not exceeding 260 m ³	VdS, FM Approv	
	& turbine enclosures < 260 m ³	EN 14972-9: 2020	Test protocol for machinery in enclosures not exceeding 260 m ³ for open nozzle systems		
		EN 14972-15: 2021	Test protocol for combusiton turbines in enclosures not exceeding 260 m ³ for open nozzle systems		
	Machinery enaces	FM 5560: 2021	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 Approv	
Industrial applications		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 ³	VdS, FM Approv	
	Machinery spaces & turbine enclosures > 260 m ³	EN 14972-8: 2020	Test protocol for machinery in enclosures exceeding 260 m ³ for open nozzle systems		
		EN 14972-14: 2021	Test protocol for combusiton turbines in enclosures exceeding 260 m ³ for open nozzle systems		
	Local application	FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX I:	FM Approv	
	cocai application	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		
	Wet benches and other similar processing equipment	document available yet) FM 5560: 2021	for open nozzle systems 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	
	Chamitalform	FM 5560: 2021 FM 5560: 2021	Approval Standard for Water Mist Systems, APPENDIX L:	Αρριον	
	Chemical fume hoods		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 Approval Standard for Water Mist Systems, APPENDIX J:	F.4	
		FM 5560: 2021	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

VdS

Paint shops / booths