



Second Revision No. 13-NFPA 750-2025 [Global Comment]

[See Revisions as per Word Document Attached]

Changes to Section 6.10.1.2 with sections relocated from Section 8.9

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
6.10.1.2.docx		
750_Global_SR-13_For_Ballot.docx		

Submitter Information Verification

Committee: WAM-AAA

Submittal Date: Mon Nov 17 09:25:41 EST 2025

Committee Statement

Committee Statement: The requirements for pneumatic and hydraulic pilot line detection systems were relocated to a more centralized area in Chapter 6. Duplicate requirements from Chapter 8 were removed. The requirements are based on information from FM Datasheet 5-48, Automatic Fire Detection. The maximum vertical height positioning of 25 feet was added to provide design guidance and is based on field experience.

Response Message: SR-13-NFPA 750-2025

6.10.1.2* Pneumatic and Hydraulic Pilot Line Detection Systems.

A.6.10.1.2

Pneumatic-based actuation using heat-actuated devices (HADs), pneumatic line-type detection, and pilot sprinklers are examples of non-electric-based detectors and control devices.

Hydraulic-based actuation typically uses pilot sprinklers or water mist nozzles.

6.10.1.2.1

The pneumatic or hydraulic detection system shall automatically actuate the water mist system.

6.10.1.2.1.1

Pilot line detectors and related components, including releasing controls, ~~pipes, and fittings,~~ shall be ~~in accordance with their component/system listings~~listed.

6.10.1.2.1.2*

All components of pneumatic or hydraulic detection systems shall be compatible with the water mist system to ensure that all ~~the~~ system components function as an integrated unit.

6.10.1.2.1.3*

Automatic water mist nozzles utilized for pneumatic or hydraulic detection shall be listed for the purpose ~~or otherwise evaluated~~.

A.6.10.1.2.1.3

The automatic water mist nozzles should be evaluated for ~~the~~ operation and performance for detection and actuation purposes.

6.10.1.2.1.4

~~Standard-Listed~~ automatic sprinklers shall be permitted to be installed as part of pneumatic or hydraulic detection systems.

6.10.1.2.1.5*

The maximum spacing and position below the ceiling of the detection devices shall be in accordance with the manufacturer's component listing.

A.6.10.1.2.1.5

The spacing and positioning requirements of the pilot detection devices might not be the same as the spacing and positioning requirements of the water mist nozzles. The locations of both the pilot detection devices and the water mist nozzles should be in accordance with the manufacturer's component listing.

6.10.1.2.1.6*

Gridded and looped piping layouts shall not be permitted for pneumatic pilot line detection systems.

A.6.10.1.2.1.6

Trapped air in these layouts could cause delays in fire detection.

6.10.1.2.1.7

Pneumatic and hydraulic detection systems shall activate the automatic water mist system valve within 40 seconds of the most remote pilot sprinkler operation.

6.10.1.2.1.8

A valve with an open nozzle or sprinkler at the most hydraulically remote point in the pilot detection system shall be installed for testing the system.

6.10.1.2.1.9

A maximum of 25 ft (7.6 m) of vertical spacing shall be provided between multiple levels of pilot sprinklers.

6.10.1.2.1.9.1

Pilot sprinklers shall be installed at multiple levels in a vertically staggered arrangement.

6.10.1.2.1.10

The minimum pipe size shall be 1/2 in. for pilot sprinkler systems using stainless steel pipe and an internal diameter of 1/2 in. for copper and stainless-steel tubing.

6.10.1.2.2

An emergency manual releasing device capable of being operated with a single action shall be provided.

6.10.1.2.3

The shutdown of all supplementary equipment necessary for the effective performance of the water mist system, including fuel and ventilation systems, dampers, and door closers, shall be initiated by the operation of the system's automatic or manual release.

6.10.1.2.4

Pneumatically and hydraulically operated systems shall be supervised in a manner such that failure will result in positive notification of the abnormal condition.

6.10.1.2.2

~~An emergency manual releasing device capable of being operated with a single action shall be provided.~~

6.10.1.2.3

~~The shutdown of all supplementary equipment necessary for the effective performance of the water mist system, including fuel and ventilation systems, dampers, and door closers, shall be initiated by the operation of the system's automatic or manual release.~~

6.10.1.2.4

~~Pilot line detectors and related components, including releasing controls, shall be in accordance with their component/system listings.~~

6.10.1.2.7

~~The use of standard automatic sprinklers shall be permitted for pneumatic or hydraulic detection systems.~~

~~6.10.1.2.8*~~

~~Pneumatic systems shall be supplied with a reliable source of compressed air.~~

~~A.6.10.1.2.8~~

~~Examples of reliable sources of compressed air include air compressors, nitrogen cylinders, and plant air.~~

~~6.10.1.2.9~~

~~The inspection, testing, and maintenance of pneumatic and hydraulic detection systems shall be in accordance with NFPA 13 and NFPA 25.~~

~~8.9.3.2.3~~

~~Standard automatic sprinklers shall be permitted to be installed as part of pneumatic or hydraulic detection systems.~~

~~8.9.3.2.3.1~~

~~Automatic water mist nozzles utilized for pneumatic or hydraulic detection shall be listed for the purpose or otherwise evaluated.~~



Second Revision No. 4-NFPA 750-2025 [Chapter 2]

Chapter 2 Referenced Publications

2.1 General.

The documents or portions thereof listed in this chapter are referenced within this standard and shall be considered part of the requirements of this document.

2.2 NFPA Publications.

National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471.

NFPA 13, *Standard for the Installation of Sprinkler Systems*, 2025 edition.

NFPA 14, *Standard for the Installation of Standpipe and Hose Systems*, 2024 edition.

NFPA 20, *Standard for the Installation of Stationary Pumps for Fire Protection*, 2025 edition.

NFPA 22, *Standard for Water Tanks for Private Fire Protection*, 2023 edition.

NFPA 25, *Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems*, 2026 edition.

NFPA 70[®], *National Electrical Code*[®], 2026 edition.

NFPA 72[®], *National Fire Alarm and Signaling Code*[®], 2025 edition.

NFPA 170, *Standard for Fire Safety and Emergency Symbols*, 2024 edition.

NFPA 220, *Standard on Types of Building Construction*, 2027 edition.

2.3 Other Publications.

2.3.1 ASME Publications.

American Society of Mechanical Engineers, Two Park Avenue, New York, NY 10016-5990.

ANSI/ASME B1.20.1, *Pipe Threads, General Purpose (Inch)*, 2013(reaffirmed 2018).

ANSI/ASME B16.18, *Cast Copper Alloy Solder Joint Pressure Fittings*, 2021.

ANSI/ASME B16.22, *Wrought Copper and Copper Alloy Solder Joint Pressure Fittings*, 2021.

ASME B31.1, *Power Piping Code*, 2024.

ASME BVPVC BPVC, *Boiler and Pressure Vessel Code*, 2023.

2.3.2 ASTM Publications.

ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959.

ASTM A269/A269M, *Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service*, 2024.

ASTM A351/A351M, *Standard Specification for Castings, Austenitic, for Pressure-Containing Parts*, 2024e1.

ASTM A403/A403M, *Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings*, 2022b 2025.

ASTM A632, *Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing (Small-Diameter) for General Service*, 2019 (R2025).

ASTM A774/A774M, *Standard Specification for As-Welded Wrought Austenitic Stainless Steel Fittings for General Corrosive Service at Low and Moderate Temperatures*, 2024 2025.

ASTM A778/A778M, *Standard Specification for Welded, Unannealed Austenitic Stainless Steel Tubular Products*, 2024a.

ASTM A789/A789M, *Standard Specification for Seamless and Welded Ferritic/Austenitic Stainless Steel Tubing for General Service*, 2024.

ASTM A815/A815M, *Standard Specification for Wrought Ferritic, Ferritic/Austenitic, and Martensitic Stainless Steel Piping Fittings*, 2024a.

ASTM B32, *Standard Specification for Solder Metal*, 2020.

ASTM B42, *Standard Specification for Seamless Copper Pipe, Standard Sizes*, 2020.

ASTM B75/B75M, *Standard Specification for Seamless Copper Tube*, 2020.

ASTM B88, *Standard Specification for Seamless Copper Water Tube*, 2022.

ASTM B251/B251M, *Standard Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube*, 2017.

ASTM B813, *Standard Specification for Liquid and Paste Fluxes for Soldering Applications of Copper and Copper-Alloy Tube*, 2024.

2.3.3 AWS Publications.

American Welding Society, 8669 NW 36 Street, #130, Miami, FL 33166-6672.

AWS A5.8M/A5.8, *Specification for Filler Metals for Brazing and Braze Welding*, 2019.

AWS B2.1/B2.1M, *Specification for Welding Procedure and Performance Qualification*, 2021 (supersedes AWS D10.9).

2.3.4 IMO Publications.

International Maritime Organization, 4 Albert Embankment, London, SE1 7SR, United Kingdom.

~~IMO~~ Assembly Resolution A.800(19), *Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12*, 1995. As amended by Resolution MSC.265(84), *Amendments to the Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12* [Resolution A.800(19)], 2008 and by Resolution MSC.284(86) Amendments to the Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12 [Resolution A.800(19)], 2009.

~~IMO~~ FSS Code, *International Code for Fire Safety Systems*, 2015.

IMO MSC/Circ. 1165, *Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms*, 2005.

IMO MSC.1/Circ. 1387/Corr. 1, *Revised Guidelines for the Approval of Fixed Water-Based Local Application Fire-Fighting Systems for Use in Category A Machinery Spaces* (MSC/Circ. 913), ~~2010~~ 2022.

~~"Regulation II-2/12.4.1,"~~ *Safety of Life at Sea (SOLAS): Consolidated Edition*, ~~2014~~.

2.3.5 ISO Publications.

International Organization for Standardization, ISO Central Secretariat, BIBC II, Chemin de Blandonnet 8, CP 401, 1214 Vernier, Geneva, Switzerland.

ISO 1219-1, *Fluid power systems and components — Graphical symbols and circuit diagrams — Part 1: Graphical symbols for conventional use and data-processing applications*, 2012.

ISO 1219-2, *Fluid power systems and components — Graphical symbols and circuit diagrams — Part 2: Circuit diagrams*, 2012.

2.3.6 ULC Publications.

Underwriters' Laboratories of Canada, 7 Underwriters Road, Toronto, ON M1R 3A9, Canada.

CAN/ULC S524-19, *Standard for the Installation of Fire Alarm Systems*, 2019.

CAN/ULC S529-23, *Standard for Smoke Detectors for Fire Alarm Systems*, 2023, revised 2025.

2.3.7 US Coast Guard Publications.

US Coast Guard Headquarters, 2703 Martin Luther King, Jr. ~~Ave~~ Avenue, SE, ~~STOP~~ Stop 7509, Washington, DC 20593-7509.

Navigation and Vessel Inspection Circular (NVIC) 9-97 CH-1, *Guide to Structural Fire Protection*, 2010.

2.3.8 US Government Publications.

US Government Publishing Office, 732 North Capitol Street, NW, Washington, DC 20401-~~0001~~.

Title 46, Code of Federal Regulations, Part 56.50–95(e) (3), "Overboard Discharges and Shell Connections."

Title 46, Code of Federal Regulations, Part 56.75, "Brazing."

Title 49, Code of Federal Regulations, Parts 171–190, "Transportation."

2.3.9 Other Publications.

BS EN-13480-3, *Metallic Industrial Piping Design and Calculation*, (A2022). BSI British Standards, Reston, VA, 2017.

Merriam-Webster's Collegiate Dictionary, 11th edition, Merriam-Webster, Inc., Springfield, MA, 2020.

2.4 References for Extracts in Mandatory Sections.

NFPA 13, *Standard for the Installation of Sprinkler Systems*, 2025 edition.

NFPA 20, *Standard for the Installation of Stationary Pumps for Fire Protection*, 2025 edition.

NFPA 25, *Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems*, ~~2023~~ 2026 edition.

NFPA 400, *Hazardous Materials Code*, 2025 edition.

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
750-2023_Chapter_2-1.docx		
750_SR-4_Chapter_2.docx	For prod use	

Submitter Information Verification

Committee: WAM-AAA

Submittal Date: Mon Nov 03 10:46:37 EST 2025

Committee Statement

Committee Statement: Updated References and deleted older references

Response Message: SR-4-NFPA 750-2025

[Public Comment No. 4-NFPA 750-2025 \[Section No. 2.3.8\]](#)

[Public Comment No. 3-NFPA 750-2025 \[Section No. 2.3.4\]](#)

Chapter 2 Referenced Publications

2.1 General.

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NFPA 20, *Standard for the Installation of Stationary Pumps for Fire Protection*, 2025 edition.

NFPA 22, *Standard for Water Tanks for Private Fire Protection*, 2023 edition.

NFPA 25, *Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems*, 2026 edition.

NFPA 70®, *National Electrical Code®*, 2026 edition.

NFPA 72®, *National Fire Alarm and Signaling Code®*, 2025 edition.

NFPA 170, *Standard for Fire Safety and Emergency Symbols*, 2024 edition.

NFPA 220, *Standard on Types of Building Construction*, 2027 edition.

2.3 Other Publications.

2.3.1 ASME Publications.

American Society of Mechanical Engineers, Two Park Avenue, New York, NY 10016-5990.

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ANSI/ASME B16.22, *Wrought Copper and Copper Alloy Solder Joint Pressure Fittings*, 2021.

ASME B31.1, *Power Piping Code*, 2024.

ASME BVPC, *Boiler and Pressure Vessel Code*, 2023.

2.3.2 ASTM Publications.

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ASTM A351/A351M, *Standard Specification for Castings, Austenitic, for Pressure-Containing Parts*, 2024e1.

ASTM A403/A403M, *Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings*, 2025.

ASTM A632, *Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing (Small-Diameter) for General Service*, 2019(R2025).

ASTM A774/A774M, *Standard Specification for As-Welded Wrought Austenitic Stainless Steel Fittings for General Corrosive Service at Low and Moderate Temperatures*, 2025.

ASTM A778/A778M, *Standard Specification for Welded, Unannealed Austenitic Stainless Steel Tubular Products*, 2024a.

ASTM A789/A789M, *Standard Specification for Seamless and Welded Ferritic/Austenitic Stainless Steel Tubing for General Service*, 2024.

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ASTM B75/B75M, *Standard Specification for Seamless Copper Tube*, 2020.

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2.3.3 AWS Publications.

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AWS A5.8M/A5.8, *Specification for Filler Metals for Brazing and Braze Welding*, 2019.

AWS B2.1/B2.1M, *Specification for Welding Procedure and Performance Qualification*, 2021- (supersedes AWS D10.9).

2.3.4 IMO Publications.

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Assembly Resolution A.800(19), *Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12*, 1995. As amended by Resolution MSC.265(84), *Amendments to the Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12* [Resolution A.800(19)], 2008 and and by Resolution MSC.284(86) *Amendments to the Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12* (Resolution A.800(19)), 2009.

IMO FSS, *International Code for Fire Safety Systems*, 2015.

IMO MSC/Circ. 1165, *Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms*, 2005.

MSC.1/Circ. 1387/Corr 1, *Revised Guidelines for the Approval of Fixed Water-Based Local Application Fire-Fighting Systems for Use in Category A Machinery Spaces* (MSC/Circ. 913), 2022.

"Chapter 8, Paragraph 2.3.2," FSS Code, *International Code for Fire Safety Systems*, 2015

2.3.5 ISO Publications.

International Organization for Standardization, ISO Central Secretariat, BIBC II, Chemin de Blandonnet 8, CP 401,— 1214 Vernier, Geneva, Switzerland.

ISO 1219-1, *Fluid power systems and components — Graphical symbols and circuit diagrams — Part 1: Graphical symbols for conventional use and data-processing applications*, 2012.

ISO 1219-2, *Fluid power systems and components — Graphical symbols and circuit diagrams — Part 2: Circuit diagrams*, 2012.

2.3.6 ULC Publications.

Underwriters' Laboratories of Canada, 7 Underwriters Road, Toronto, ON M1R 3A9, Canada.

CAN/ULC S524-19, *Standard for the Installation of Fire Alarm Systems*, 2019.

CAN/ULC S529-23, *Standard for Smoke Detectors for Fire Alarm Systems*, 2023, revised 2025.

2.3.7 US Coast Guard Publications.

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Navigation and Vessel Inspection Circular (NVIC) 9-97 CH-1, *Guide to Structural Fire Protection*, 2010.

2.3.8 US Government Publications.

US Government Publishing Office, 732 North Capitol Street, NW, Washington, DC 20401-0001.

Title 46, Code of Federal Regulations, Part 56.50–95(e)(3), "Overboard Discharges and Shell Connections."

Title 46, Code of Federal Regulations, Part 56.75, "Brazing."

Title 49, Code of Federal Regulations, Parts 171–190, "Transportation."

2.3.9 Other Publications.

BS EN-13480-3, *Metallic Industrial Piping Design and Calculation*, (A2022). BSI British Standards, Reston, VA, 2017.

Merriam-Webster's Collegiate Dictionary, 11th edition, Merriam-Webster, Inc., Springfield, MA, 2020.

2.4 References for Extracts in Mandatory Sections.

NFPA 13, *Standard for the Installation of Sprinkler Systems*, 2025 edition.

NFPA 20, *Standard for the Installation of Stationary Pumps for Fire Protection*, 2025 edition.

NFPA 25, *Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems*, 2026 edition.

NFPA 400, *Hazardous Materials Code*, 2025 edition.

TC Statement: Update references to the latest editions.



Second Revision No. 11-NFPA 750-2025 [New Section after 6.10.1.2]

6.10.1.2.5 Pneumatic Detection Systems.

6.10.1.2.5.1*

Pneumatic systems shall be supplied from a permanent source.

A.6.10.1.2.5.1

Rechargeable compressed inert gas cylinders are acceptable as a permanent source.

6.10.1.2.5.2

Each pneumatic system shall have a dedicated and listed air maintenance device capable of controlling the required pressure on the system and the maximum flow of air into the system.

6.10.1.2.5.3

Where an air compressor or nitrogen generator is dedicated for the pneumatic system, the air compressor shall be listed for fire protection.

6.10.1.2.5.4

Where an air compressor or a nitrogen generator is the dedicated air supply, it shall be installed so as to be served by a dedicated electrical circuit.

6.10.1.2.5.5

The disconnect means for an automatic air compressor or a nitrogen generator shall not be a general-use switch or a cord-and-plug connection.

6.10.1.2.5.6

Where nitrogen or another approved gas stored in high-pressure industrial cylinders is used, the gas shall be introduced through an approved regulator on the supply side of the pressure maintenance device(s).

6.10.1.2.5.7

A low-pressure alarm shall be provided between the regulator and the air maintenance device(s) to notify when the cylinder(s) needs to be refilled.

6.10.1.2.5.8

A check valve shall be installed in the pneumatic system supply connection.

6.10.1.2.5.9

A listed or approved lockable or electronically supervised shutoff valve of either the renewable disc or ball valve type shall be installed on the supply side of the check valve.

6.10.1.2.5.10

An approved relief valve shall be provided between the pneumatic supply and shutoff valve.

6.10.1.2.5.10.1

The relief valve shall be set to relieve pressure no less than 10 psi (0.7 bar) in excess of the system pneumatic air pressure.

6.10.1.2.5.11

Combinations of approved sources of air supplies shall be permitted.

Submitter Information Verification

Committee: WAM-AAA

Submittal Date: Thu Nov 06 12:59:27 EST 2025

Committee Statement

Committee Statement: Requirements for pneumatic detection systems were added to enhance reliability and operability of the system. The requirements were taken from NFPA 13.

Response Message: SR-11-NFPA 750-2025



Second Revision No. 6-NFPA 750-2025 [Section No. 8.9.2.4]

8.9.2.4 Alarms.

8.9.2.4.1

Alarms shall be provided to indicate system waterflow and system trouble.

8.9.2.4.2

Trouble and supervisory signals shall include power failure, operation (~~closing~~) of monitored valving, and electrical faults in the detection/activation of pump power control systems.

8.9.2.4.3*

Visible and audible alarms shall be installed in the following locations:

- (1) The protected space
- (2) At the location of the primary system components
- (3) In a continuously attended location

~~These alarms shall be both visible and audible inside the protected space, at the location of the primary system components (e.g., pumps, storage tanks), and in a continuously attended location.~~

A.8.9.2.4.3

Primary system components include items such as pumps, storage tanks, fire alarm and releasing control panels, and waterflow indicators.

A single audible and visual indicator is sufficient where the protected space, primary system components, and continuously attended locations are all co-located.

8.9.2.4.3.1

In one- and two-family dwellings, visible and audible alarms shall not be required to annunciate in a continuously attended location.

8.9.2.4.4

The system activation alarm shall be distinctly different from the system trouble signal to prevent confusion.

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
8.9.2.4.docx		

Submitter Information Verification

Committee: WAM-AAA

Submittal Date: Mon Nov 03 10:57:52 EST 2025

Committee Statement

Committee The clause requiring alarms is clarified by changing the sentence with multiple
Statement: requirements to a numbered list. The sentence structure is also changed to be easier to
read. Annex language was added for clarification and to take examples out of the body
of the text. No technical changes were made to the requirements.

Response SR-6-NFPA 750-2025
Message:

8.9.2.4 Alarms.

8.9.2.4.1

Alarms shall be provided to indicate system waterflow and system trouble.

8.9.2.4.2

Trouble and supervisory signals shall include power failure, operation of monitored valving, and electrical faults in the detection/activation of pump power control systems.

8.9.2.4.3*

Visible and audible alarms shall be installed in the following locations:

- (1) the protected space
- (2) at the location of the primary system components
- (3) in a continuously attended location

A.8.9.2.4.3

Primary system components include items such as pumps, storage tanks, fire alarm and releasing control panels, water flow indicators.

A single audible and visual indicator is sufficient where the protected space, primary system components, and continuously attended locations are all collocated.

8.9.2.4.3.1

In one- and two- family dwellings, visible and audible alarms shall not be required to annunciate in a continuously attended location.

8.9.2.4.4

The system activation alarm shall be distinctly different from the system trouble signal to prevent confusion.



Second Revision No. 9-NFPA 750-2025 [Section No. 8.9.3.1.1]

8.9.3.1.1*

Where electrically operated automatic fire detection systems are used, ~~they~~ the installation shall be ~~installed~~ in accordance with *NFPA 72*.

Submitter Information Verification

Committee: WAM-AAA

Submittal Date: Thu Nov 06 12:48:46 EST 2025

Committee Statement

Committee Statement: Text was editorially changed to clarify requirements.

Response Message: SR-9-NFPA 750-2025



Second Revision No. 10-NFPA 750-2025 [Section No. 8.9.3.2]

8.9.3.2 Pneumatic and Hydraulic Detection Systems.

8.9.3.2.1

The inspection, testing, and maintenance of pneumatic or hydraulic pilot line detection systems shall be in accordance with ~~NFPA 13 and NFPA 25 for automatic sprinkler systems~~.

8.9.3.2.1.1*

The testing of automatic water mist systems shall include the operation and performance testing of the pneumatic and hydraulic pilot detection systems as part of all system inspections, maintenance, and acceptance testing.

A.8.9.3.2.1.1

Examples of the type of testing that should be conducted include system leak and/or hydrostatic tests, system functional operation tests, and testing of the operating time between simulated fire detection and the automatic release of the water mist system.

8.9.3.2.1

~~The shutdown of all supplementary equipment, which is necessary for the effective performance of the water mist system, including fuel and ventilation systems, dampers, and door closers, shall be initiated by the operation of the system's automatic or manual release.~~

8.9.3.2.2

~~Pilot line detectors and related components, including releasing controls, pipes, and fittings, shall be installed and tested in accordance with their component/system listings.~~

[Global SR-13](#)

8.9.3.2.3

~~Standard automatic sprinklers shall be permitted to be installed as part of pneumatic or hydraulic detection systems.~~

8.9.3.2.3.1

~~Automatic water mist nozzles utilized for pneumatic or hydraulic detection shall be listed for the purpose or otherwise evaluated.~~

8.9.3.2.4*

~~Pneumatic systems shall have a reliable source of compressed air installed as part of pneumatic or hydraulic detection systems.~~

A.8.9.3.2.4

Examples of reliable sources of compressed air include air compressors, nitrogen cylinders, and plant air.

Supplemental Information

File Name

Description

Approved

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Submitter Information Verification

Committee: WAM-AAA

Submittal Date: Thu Nov 06 12:55:09 EST 2025

Committee Statement

Committee Statement: The text has been moved to Chapter 6.

Statement:

The requirements were updated to clarify the ITM requirements for pneumatic or hydraulic pilot line detection devices.

Response Message: SR-10-NFPA 750-2025

Message:

8.9.3.2 Pneumatic and Hydraulic Detection Systems.

8.9.3.2.1

The inspection, testing, and maintenance of pneumatic or hydraulic pilot line detection systems shall be in accordance with NFPA 25.

8.9.3.2.1.1*

The testing of the automatic water mist system shall include the operation and performance testing of the pneumatic and hydraulic pilot detection systems as part of all system inspections, maintenance, and acceptance testing.

A.8.9.3.2.1.1

Examples of the type of testing should include system leak and/or hydrostatic tests, system functional operation tests, testing of operating time between simulated fire detection and the automatic release of the water mist system.



Second Revision No. 7-NFPA 750-2025 [Section No. 12.5.2.2]

12.5.2.2

Electrical or diesel driven pumps supplying water mist systems shall be of sufficient capacity to exceed the system flow rate by a minimum of 10 percent as determined by hydraulic calculations for positive displacement pumps and the system pressure by a minimum of 10 percent as determined by hydraulic calculations for centrifugal pumps, and pressure demands calculated by the hydraulic calculations as follows:

- (1) By a minimum of 10 percent in pressure and in flow rate for centrifugal pumps. (See A.13.2.)
- (2) By a minimum of 10 percent in flow rate for positive displacement pumps. (See A.13.2.)

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
750_SR-7_12.5.2.2.docx		

Submitter Information Verification

Committee: WAM-AAA

Submittal Date: Mon Nov 03 11:28:49 EST 2025

Committee Statement

Committee Statement: The current requirement mandating 10 percent margins for both flow and pressure parameters fails to account for fundamental pump operating principles. Positive displacement pumps maintain volumetric flow rates independent of discharge pressure within design limits, making flow capacity the critical specification parameter, while centrifugal pumps exhibit interdependent flow-pressure relationships where adequate pressure head ensures design flow delivery at the system operating point. This revision aligns with established pump engineering practice and international standards such as EN 14972, which differentiates pump requirements through separate standards for each pump type. The proposed approach eliminates redundant requirements while maintaining appropriate safety factors applied to each pump type's governing performance parameter. For centrifugal pumps, pressure margin protects against head loss variations that directly impact flow delivery, while for positive displacement pumps, flow margin ensures adequate volumetric capacity regardless of system pressure fluctuations.

Response SR-7-NFPA 750-2025

Message:

12.5.2.2

Electrical or diesel-driven pumps supplying water mist systems shall be of sufficient capacity to exceed the system flow rate and pressure demands calculated by the hydraulic calculations as follow:

1. By a minimum of 10 percent in pressure and in flow rate for centrifugal pumps (See A. 13.2.)
2. By a minimum of 10 percent in flow rate for positive displacement pumps (See A. 13.2.)



Second Revision No. 8-NFPA 750-2025 [Section No. 14.2.6.1]

14.2.6.1*

Unless the requirements of 14.2.6.2 are met, full-flow tests of the system piping using water shall be made as a means of checking the nozzle layout, discharge pattern, and any obstructions; determining the relationship between design criteria and actual performance; and ensuring against the clogging of the smaller piping and nozzles by foreign matter carried by the water. Water mist systems with open nozzles shall be full-flow tested after installation to verify that the system operates and performs as designed.

A.14.2.6.1

High-risk fire hazards can often be found in industrial and commercial occupancies. These occupancies frequently contain conditions that significantly increase the likelihood of a fire that spreads quickly and becomes difficult to control. Total compartment application systems, (see 7.2.2), which normally employ open nozzle water mist systems, are well suited for high-risk fire hazards because they are designed to provide complete protection with all open nozzles discharging water immediately and simultaneously within the hazard enclosure. These same enclosures are, in many situations, not constructed with smooth ceilings and are typically finished out with obstructions and interferences that can impede the discharge and spray patterns required for the proper and efficient performance of the water mist nozzles.

If obstructions are extensive or numerous, additional nozzles may be required to ensure the uniform distribution of water mist. Performing a full-flow discharge after installation can verify complete coverage below the obstructions and proper system performance, as designed.

For local application systems employing directional spray nozzles to protect against fire hazards, a full-flow test should be performed to ensure that the nozzles are positioned and aimed properly, as well as to verify that complete coverage of the hazard with a water mist system is provided.

Closed head automatic water mist nozzles (see 3.3.28.1) are typically used in the protection of light and ordinary hazard occupancies that are constructed with smooth ceilings and with minimal, or no obstructions that can interfere with the nozzle discharge. In these situations, the nozzle layouts, spacing, and discharge patterns, as validated by testing and listings, should meet their expected performance criteria without repeating performance by requiring a full-flow test after installation. This information is not meant to override any local, state, or federal AHJ requirements.

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
750_SR-8_14.2.6.1.docx		

Submitter Information Verification

Committee: WAM-AAA

Submittal Date: Mon Nov 03 14:07:38 EST 2025

Committee Statement

Committee Statement: Clarified that the concept of Full Flow test is only for open nozzle systems to validate system design. Open head nozzles are more prone to being obstructed in complex geometries and therefore require additional validation.

Response Message: SR-8-NFPA 750-2025

14.2.6.1*

Water mist systems with open nozzles shall be full-flow tested after installed to verify system operation and performance as designed.

A.14.2.6.1

High-risk fire hazards can often be found in industrial and commercial occupancies. Conditions are typically present that significantly increase the likelihood of a fire that spreads quickly and becomes difficult to control. Total Compartment Application Systems (Section 7.2.2) which normally employ the use of open nozzle water mist systems are well suited for high-risk fire hazards because they are designed to provide complete protection with all open nozzles discharging water immediately and simultaneously within the hazard enclosure. These same enclosures are, in many situations, not constructed with “smooth ceilings” and are typically finished out with obstructions and interferences that can impede the discharge and spray patterns required for the proper and efficient performance of the water mist nozzles.

If obstructions are extensive or numerous, additional nozzles may be required to assure the uniform distribution of water mist. Performing a full-flow discharge after installation can verify complete coverage below the obstructions and proper system performance, as designed. For local application systems employing directional spray nozzles to protect against fire hazards, a full-flow test should be performed to assure the nozzles are positioned and aimed properly and to verify that complete coverage of the hazard with a water mist system is provided.

Closed head automatic water mist nozzles (Section 3.3.25.1) are typically used in the protection of light and ordinary hazard occupancies that are constructed with “smooth ceilings” and with minimal, or no obstructions that can interfere with the nozzle discharges. In these situations, the nozzle layouts, spacings and discharge patterns, as validated by testing and listings, should meet their expected performance criteria without repeating performance by requiring a full flow test after installation. This information is not meant to override any local, State or Federal AHJ requirements.



Second Revision No. 1-NFPA 750-2025 [Section No. 16.1.11]

16.1.11 Piping.

Piping between a vessel's sea chest and the first shutoff valve shall be Schedule 80 steel or Schedule 40 galvanized steel in accordance with 46 CFR Part 56.50–95(e) (3).

Submitter Information Verification

Committee: WAM-AAA

Submittal Date: Mon Nov 03 10:41:03 EST 2025

Committee Statement

Committee Updated referenced document to correct section. Galvanized low pressure piping is **Statement:** allowed before the strainer and pump unit. This is emergency supply after primary 30 minute fresh water supply has been exhausted as required by IMO standards.

Response SR-1-NFPA 750-2025

Message:

[Public Comment No. 7-NFPA 750-2025 \[Section No. 16.1.11\]](#)

**Second Revision No. 2-NFPA 750-2025 [Section No. 16.2.2]****16.2.2***

A pressure tank system shall be provided to meet the functional requirements for “~~Regulation H-2/12.4.1~~” in ~~*Safety of Life at Sea (SOLAS)*~~ in Chapter 8, Paragraph 2.3.2, FSS Code, *International Code for Fire Safety Systems*.

A.16.2.2

The charge of air or gas for the hydropneumatic tank should be such that the last gallon of water in the tank leaves the tank at the system demand pressure. The tank can be arranged with an internal charge of gas or an external gas supply with a regulator. If an internal charge of air or gas is provided, the equation $P_1 V_1 = P_2 V_2$ should be used to calculate the required gas pressure. In all cases, arrangements should be provided to avoid filling the system piping with gas when the hydropneumatic tank is empty. Under normal circumstances, the pump should be arranged to provide water at a pressure greater than the gas pressure before the tank is empty. The reference to SOLAS requires an arrangement to prevent seawater from entering the hydropneumatic tank.

Submitter Information Verification

Committee: WAM-AAA

Submittal Date: Mon Nov 03 10:42:23 EST 2025

Committee Statement

Committee Statement: Changing the reference from SOLAS to FSS Code.

Response Message: SR-2-NFPA 750-2025

Public Comment No. 8-NFPA 750-2025 [Section No. 16.2.2]



Second Revision No. 3-NFPA 750-2025 [Section No. C.1.2]

C.1.2

Table C.1.2 identifies several international organizations that currently develop or administer test protocols for water mist fire suppression systems. The following sections provide brief descriptions of the scope of application and the acceptance criteria of the test protocols that are the basis for the 1998 listings for water mist systems. The testing laboratories can add or subtract certain fire tests at their discretion based on their interpretation of the system performance limits. The reader should refer to the original test protocols for complete test details.

Table C.1.2 Internationally Recognized Agencies with Published Fire Test Protocols for Water Mist Fire Protection Systems

Agency	Water Mist Fire Test Protocol
1. International Maritime Organization, London, England .	MSC/Circ. 1165, <i>Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms</i> .
	(a) Appendix A, "Component Manufacturing Standards of Equivalent Water-Based Fire-Extinguishing Systems," 2005.
	(b) Appendix B, "Test Method for Fire Testing Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces of Category A and Cargo Pump-Rooms," 2005.
	As amended in MSC.1/Circ. 1237, "Amendments to the Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms (MSC/Circ. 1165)," October 2007.
	As amended in MSC.1/Circ. 1269, "Amendments to the Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms (MSC/Circ. 1165)," June 2008.
	As amended in MSC.1/Circ. 1386, "Amendments to the Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms (MSC/Circ. 1165)," December 2010.
	IMO Res. A.800(19), <i>Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12, 2020 1995</i> .
	(a) Appendix 1, "Component Manufacturing Standards for Water Mist Nozzles."
	(b) Appendix 2, "Fire Test Procedures for Equivalent Sprinkler Systems in Accommodation, Public Space and Service Areas on Passenger Ships," December 1995.
	As amended in MSC.265(84), "Amendments to the Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12 [Res. A.800(19)]," ~~May 2008~~ <u>2009</u> .
	~~IC844E~~ <u>FTP Code</u> , <i>International Code for Application of Fire Test Procedures (FTP) Code, 2012 2010</i> .
	MSC.1/Circ. 1387/ <u>Corr. 1</u> , "Revised Guidelines for the Approval of Fixed Water-Based Local Application Fire-Fighting Systems for Use in Category A Machinery Spaces (MSC/Circ. 913)," December ~~2010~~ <u>2022</u> .
	(a) Appendix, "Test Method for Fixed Water-Based Local Application Fire-Fighting Systems," December 2010."
	MSC.1/Circ. 1430/ <u>Rev. 3</u> , "Revised Guidelines for the Design and Approval of Fixed Water-Based Fire-Fighting Systems for Ro-Ro Spaces and Special Category Spaces," ~~May 2012~~ <u>2023</u> .

<u>Agency</u>	<u>Water Mist Fire Test Protocol</u>
	(a) Appendix, "Test Method for Fixed Water-Based Fire-Fighting Systems for Ro-Ro Spaces And Special Category Spaces."
2. FM Approvals, LLC, ~~1151 Boston-Providence Turnpike, P.O. Box 9102, Norwood, MA 02062.~~	~~ANSI~~ FM Approvals 5560, <i>American National Standard for Water Mist Systems</i> , 2017.
	(a) "Fire Tests for Water Mists Systems for the Protection of Combustion Turbines with Volumes up to, and including, 2825 ft ³ (80 m ³)"
	(b) "Fire Tests for Water Mists Systems for the Protection of Combustion Turbines with Volumes up to, and Including, 9175 ft ³ (260 m ³)"
	(c) "Fire Tests for Water Mists Systems for the Protection of Combustion Turbines with Volumes Exceeding 9175 ft ³ (260 m ³)"
	(d) "Fire Tests for Water Mists Systems for the Protection of Wet Benches and Other Similar Processing Equipment"
	(e) "Fire Tests for Water Mists Systems for the Protection of Local Applications"
	(f) "Fire Tests for Water Mists Systems for the Protection of Industrial Oil Cookers"
	(g) "Fire Tests for Water Mists Systems for the Protection of Computer Room Sub Floors"
	FM Approvals 5560, <i>Examination Standard for Water Mist Systems</i> , 2021.
	(a) "Fire Tests for Water Mists Systems for the Protection of Machinery in Enclosures with Volumes not Exceeding 2825 ft ³ (80 m ³)"
	(b) "Fire Tests for Water Mists Systems for the Protection of Combustion Turbines in Enclosures with Volumes not Exceeding 2825 ft ³ (80 m ³)"
	(c) "Fire Tests for Water Mists Systems for the Protection of Machinery in Enclosures with Volumes not Exceeding 9175 ft ³ (260 m ³)"
	(d) "Fire Tests for Water Mists Systems for the Protection of Combustion Turbines in Enclosures with Volumes not Exceeding 9175 ft ³ (260 m ³)"
	(e) "Fire Tests for Water Mists Systems for the Protection of Machinery in Enclosures with Volumes Exceeding 9175 ft ³ (260 m ³)"
	(f) "Fire Tests for Water Mists Systems for the Protection of Combustion Turbines in Enclosures with Volumes Exceeding 9175 ft ³ (260 m ³)"
	(g) "Fire Tests for Water Mists Systems for the Protection of Light Hazard Occupancies"
	(h) "Fire Tests for Water Mists Systems for the Protection of Wet Benches and Other Similar Processing Equipment"

<u>Agency</u>	<u>Water Mist Fire Test Protocol</u>
	(i) "Fire Tests for Water Mists Systems for the Protection of Local Applications"
	(j) "Fire Tests for Water Mists Systems for the Protection of Industrial Oil Cookers"
	(k) "Fire Tests for Water Mists Systems for the Protection of Continuous Wood Board Presses"
	(l) "Fire Tests for Water Mists Systems for the Protection of Chemical Fume Hoods"
	(m) "Fire Tests for Water Mists Systems for the Protection of Data Processing Equipment Rooms/Halls – Above Raised Floor"
	(n) "Fire Tests for Water Mists Systems for the Protection of Data Processing Equipment Rooms/Halls – Below Raised Floor"
	(o) "Scaling Methodology: Fire Tests for the Protection of Machinery and Combustion Turbines in Enclosures in 1/2-Scale"
3. Underwriters Laboratories Inc., ~~Northbrook, IL.~~	UL 2167, <i>Water Mist Nozzles for Fire Protection Service</i> , 2021 (contents can be read from the standard) UL 2167A, <i>Targeting Water Mist System Units for One- and Two-Family Dwellings for Fire Protection Service</i> , 2024 (contents can be read from the standard)
4. CEN, ~~Brussels, Belgium.~~	CEN/TS EN 14972, <i>Fixed Firefighting Systems — Watermist Systems — Part 1: Design and installation</i> , 2021 2020 (A1:2025). (contents can be read from the standard)
5. VdS, ~~Köln, Germany.~~	VdS 3883, <i>Fire Test Protocol for Water Mist Systems</i> , June 2020.
	(a) VdS 3883-1en, <i>Fire Test Protocol for Water Mist Systems — Part 1: Protection of Office Spaces and Accommodation Areas</i> , 2020.
	(b) VdS 3883-2en, <i>Fire Test Protocol for Water Mist Systems — Part 2: Protection of Office Spaces and Accommodation Areas with Water Mist Sidewall Sprinklers</i> , 2020.
	(c) VdS 3883-3en, <i>Fire Test Protocol for Water Mist Systems — Part 3: Protection of False Ceilings and False Floor of OH Group 1</i> , 2020.
	(d) VdS 3883-4en, <i>Fire Test Protocol for Water Mist Systems — Part 4: Protection of Car Garages</i> , 2020.
	(e) VdS 3883-5en, <i>Fire Test Protocol for Water Mist Systems — Part 5: Protection of Selected Sales and Storage Areas and Mechanical Floors</i> , 2020.
	(f) VdS 3883-6en, <i>Fire Test Protocol for Water Mist Systems — Part 6: Protection of Paint Booths</i> , 2020.
	(g) VdS 3883-7en, <i>Fire Test Protocol for Water Mist Systems — Part 7: Protection of Areas with Combustible Liquids</i> , 2020.
	(h) VdS 3883-8en, <i>Fire Test Protocol for Water Mist Systems — Part 8: Protection of Cable Ducts</i> , 2020.

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
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Submitter Information Verification

Committee: WAM-AAA

Submittal Date: Mon Nov 03 10:44:27 EST 2025

Committee Statement

Committee Included UL 2167A as a valid test protocol option for Targeting Water Mist testing
Statement: for systems addressed by Section 10.3.2 – One- and Two-Family Dwellings.

Response SR-3-NFPA 750-2025

Message:

[Public Comment No. 1-NFPA 750-2025 \[Section No. C.1.2\]](#)

C.1.2

Table C.1.2 identifies several international organizations that currently develop or administer test protocols for water mist fire suppression systems. The following sections provide brief descriptions of the scope of application and the acceptance criteria of the test protocols that are the basis for the 1998 listings for water mist systems. The testing laboratories can add or subtract certain fire tests at their discretion based on their interpretation of the system performance limits. The reader should refer to the original test protocols for complete test details.

Table C.1.2 Internationally Recognized Agencies with Published Fire Test Protocols for Water Mist Fire Protection Systems

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	(a) Appendix A, "Component Manufacturing Standards of Equivalent Water-Based Fire-Extinguishing Systems," 2005.
	(b) Appendix B, "Test Method for Fire Testing Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces of Category A and Cargo Pump-Rooms," 2005.
	As amended in MSC.1/Circ. 1237, "Amendments to the Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms (MSC/Circ. 1165)," October 2007.
	As amended in MSC.1/Circ. 1269, "Amendments to the Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms (MSC/Circ. 1165)," June 2008.
	As amended in MSC.1/Circ. 1386, "Amendments to the Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms (MSC/Circ. 1165)," December 2010.
	IMO Res. A.800(19), <i>Revised Guidelines for Approval of Sprinkler Systems, Equivalent to That Referred to in SOLAS Regulation II-2/12, 2020</i> .
	(a) Appendix 1, "Component Manufacturing Standards for Water Mist Nozzles."
	(b) Appendix 2, "Fire Test Procedures for Equivalent Sprinkler Systems in Accommodation, Public Space and Service Areas on Passenger Ships," December 1995.
	As amended in MSC.265(84), "Amendments to the Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12 ~~to~~ [Res. A.800(19)]," May 2008.
	IC844E, <i>International Code for Application of Fire Test Procedures (FTP) Code</i> , 2012.
	MSC.1/Circ. 1387, "Revised Guidelines for the Approval of Fixed Water-Based Local Application Fire-Fighting Systems for Use in Category A Machinery Spaces (MSC/Circ. 913)," December 2010.
	(a) Appendix, "Test Method for Fixed Water-Based Local Application Fire-Fighting Systems," December 2010."
	MSC.1/Circ. 1430, "Revised Guidelines for the Design and Approval of Fixed Water-Based Fire-Fighting Systems for Ro-Ro Spaces and Special Category Spaces," May 2012.
	(a) Appendix, "Test Method for Fixed Water-Based Fire-Fighting Systems for Ro-Ro Spaces And Special Category Spaces."

Agency	Water Mist Fire Test Protocol
2. FM Approvals LLC, 1151 Boston-Providence Turnpike, P.O. Box 9102, Norwood, MA 02062.	ANSI/FM Approvals 5560, <i>American National Standard for Water Mist Systems</i> , 2017.
	(a) "Fire Tests for Water Mists Systems for the Protection of Combustion Turbines with Volumes up to, and including, 2825 ft ³ (80 m ³)"
	(b) "Fire Tests for Water Mists Systems for the Protection of Combustion Turbines with Volumes up to, and Including, 9175 ft ³ (260 m ³)"
	(c) "Fire Tests for Water Mists Systems for the Protection of Combustion Turbines with Volumes Exceeding 9175 ft ³ (260 m ³)"
	(d) "Fire Tests for Water Mists Systems for the Protection of Wet Benches and Other Similar Processing Equipment"
	(e) "Fire Tests for Water Mists Systems for the Protection of Local Applications"
	(f) "Fire Tests for Water Mists Systems for the Protection of Industrial Oil Cookers"
	(g) "Fire Tests for Water Mists Systems for the Protection of Computer Room Sub Floors"
	FM Approvals 5560, <i>Examination Standard for Water Mist Systems</i> , 2021.
	(a) "Fire Tests for Water Mists Systems for the Protection of Machinery in Enclosures with Volumes not Exceeding 2825 ft ³ (80 m ³)"
	(b) "Fire Tests for Water Mists Systems for the Protection of Combustion Turbines in Enclosures with Volumes not Exceeding 2825 ft ³ (80 m ³)"
	(c) "Fire Tests for Water Mists Systems for the Protection of Machinery in Enclosures with Volumes not Exceeding 9175 ft ³ (260 m ³)"
	(d) "Fire Tests for Water Mists Systems for the Protection of Combustion Turbines in Enclosures with Volumes not Exceeding 9175 ft ³ (260 m ³)"
	(e) "Fire Tests for Water Mists Systems for the Protection of Machinery in Enclosures with Volumes Exceeding 9175 ft ³ (260 m ³)"
	(f) "Fire Tests for Water Mists Systems for the Protection of Combustion Turbines in Enclosures with Volumes Exceeding 9175 ft ³ (260 m ³)"
	(g) "Fire Tests for Water Mists Systems for the Protection of Light Hazard Occupancies"
	(h) "Fire Tests for Water Mists Systems for the Protection of Wet Benches and Other Similar Processing Equipment"
	(i) "Fire Tests for Water Mists Systems for the Protection of Local Applications"
	(j) "Fire Tests for Water Mists Systems for the Protection of Industrial Oil Cookers"
	(k) "Fire Tests for Water Mists Systems for the Protection of Continuous Wood Board Presses"
	(l) "Fire Tests for Water Mists Systems for the Protection of Chemical Fume Hoods"
	(m) "Fire Tests for Water Mists Systems for the Protection of Data Processing Equipment Rooms/Halls – Above Raised Floor"
	(n) "Fire Tests for Water Mists Systems for the Protection of Data Processing Equipment Rooms/Halls – Below Raised Floor"
	(o) "Scaling Methodology: Fire Tests for the Protection of Machinery and Combustion Turbines in Enclosures in 1/2-Scale"

Agency	Water Mist Fire Test Protocol
3. Underwriters Laboratories Inc., Northbrook, IL.	UL 2167, <i>Water Mist Nozzles for Fire Protection Service, 2021</i> (contents can be read from the standard) UL 2167A, Targeting Water Mist System Units for One- and Two-Family Dwellings for Fire Protection Service, 2024 (contents can be read from the standard)
4. CEN, Brussels, Belgium.	CEN/TS 14972, <i>Fixed Firefighting-Systems — Watermist Systems — Design and installation, 2021</i> (contents can be read from the standard)
5. VdS, Köln, Germany.	VdS 3883, <i>Fire Test Protocol for Water Mist Systems, June 2020.</i>
	(a) VdS 3883-1en, <i>Fire Test Protocol for Water Mist Systems — Part 1: Protection of Office Spaces and Accommodation Areas, 2020.</i>
	(b) VdS 3883-2en, <i>Fire Test Protocol for Water Mist Systems — Part 2: Protection of Office Spaces and Accommodation Areas with Water Mist Sidewall Sprinklers, 2020.</i>
	(c) VdS 3883-3en, <i>Fire Test Protocol for Water Mist Systems — Part 3: Protection of False Ceilings and False Floor of OH Group 1, 2020.</i>
	(d) VdS 3883-4en, <i>Fire Test Protocol for Water Mist Systems — Part 4: Protection of Car Garages, 2020.</i>
	(e) VdS 3883-5en, <i>Fire Test Protocol for Water Mist Systems — Part 5: Protection of Selected Sales and Storage Areas and Mechanical Floors, 2020.</i>
	(f) VdS 3883-6en, <i>Fire Test Protocol for Water Mist Systems — Part 6: Protection of Paint Booths, 2020.</i>
	(g) VdS 3883-7en, <i>Fire Test Protocol for Water Mist Systems — Part 7: Protection of Areas with Combustible Liquids, 2020.</i>
	(h) VdS 3883-8en, <i>Fire Test Protocol for Water Mist Systems — Part 8: Protection of Cable Ducts, 2020.</i>



Second Revision No. 5-NFPA 750-2025 [Chapter E]

Annex E Informational References

E.1 Referenced Publications.

The documents or portions thereof listed in this annex are referenced within the informational sections of this standard and are not part of the requirements of this document unless also listed in Chapter 2 for other reasons.

E.1.1 NFPA Publications.

National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471.

NFPA 4, *Standard for Integrated Fire Protection and Life Safety System Testing*, 2027 edition.

NFPA 13, *Standard for the Installation of Sprinkler Systems*, 2025 edition.

NFPA 15, *Standard for Water Spray Fixed Systems for Fire Protection*, 2027 edition.

NFPA 20, *Standard for the Installation of Stationary Pumps for Fire Protection*, 2025 edition.

NFPA 70[®], *National Electrical Code*[®], 2026 edition.

NFPA 72[®], *National Fire Alarm and Signaling Code*[®], 2025 edition.

NFPA 232, *Standard for the Protection of Records*, 2026 edition.

NFPA 502, *Standard for Road Tunnels, Bridges, and Other Limited Access Highways*, 2026 edition.

E.1.2 Other Publications.

E.1.2.1 ANSI Publications.

American National Standards Institute, Inc., 1180 Avenue of the Americas, 10th Floor, New York, NY 10036.

~~ANSI~~ IEEE C2/NESC, *National Electrical Safety Code*, 2023.

E.1.2.2 ASME Publications.

American Society of Mechanical Engineers, Two Park Avenue, New York, NY 10016-5990.

ASME B31.1, *Power Piping Code*, 2024.

E.1.2.3 ASTM Publications.

ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959.

ASTM E799, *Standard Practice for Determining Data Criteria and Processing for Liquid Drop Size Analysis*, 2003 (2020)e1.

ASTM F1547, *Standard Guide Listing Relevant Standards and Publications for Commercial Shipbuilding*, 1994 2009 (withdrawn 2015).

ASTM/IEEE SI10, *American National Standard for Metric Practice*, 2016.

E.1.2.4 CENELEC Publications.

CENELEC, European Committee for Electrotechnical Standardization, CEN-CENELEC Management Centre, Rue de la Science 23, B-1040 Brussels, Belgium.

CEN/TS EN 14972, *Fixed Firefighting Systems — Watermist Systems — Part 1: Design, and Installation, Inspection and Maintenance*, 2024 2020 (A1:2025).

E.1.2.5 CSA Group Publications.

CSA Group, 178 Rexdale Blvd. ~~Bvd.~~ Boulevard, Toronto, ON M9W 1R3, Canada.

CAN/CSA-Z234.1-00, *Metric Practice Guide*, 2011 (withdrawn).

E.1.2.6 FM Approvals LLC Publications .

FM Approvals LLC, 1151 Boston-Providence Turnpike, P.O. Box 9102, Norwood, MA 02062.

FM Approvals 3972, *Examination Standard for Cable Fire Propagation*, 2021.

~~ANSI~~ FM Approvals 5560, *American National Standard for Water Mist Systems*, 2017.

FM Approvals 5560, *Examination Standard for Water Mist Systems*, 2021.

E.1.2.7 FM Publications.

FM, 270 Central Ave ~~Ave~~ Avenue, P.O. Box 7500, Johnston, RI 02919.

FM 5560, *Water Mist Systems*, 2022.

FM Property Loss Prevention Data Sheet Number 3-26, *Fire Protection Water Demand for Nonstorage Sprinklered Properties*, 2021.

FM Property Loss Prevention Data Sheet Number 4-2, *Water Mist Systems*, 2022.

FM Property Loss Prevention Data Sheet Number 5-32, *Data Centers and Related Facilities*, 2024.

FM Property Loss Prevention Data Sheet Number 7-7, *Semiconductor Fabrication Facilities*, 2024.

FM Property Loss Prevention Data Sheet Number 7-10, *Wood Processing and Woodworking Facilities*, 2010.

FM Property Loss Prevention Data Sheet Number 7-20, *Oil Cookers*, 2023.

FM Property Loss Prevention Data Sheet Number 7-78, *Industrial Exhaust Systems*, 2021.

FM Property Loss Prevention Data Sheet Number 7-79, *Fire Protection for Gas Turbines and Electric Generators*, 2022.

E.1.2.8 FSSA Publications.

Fire Suppression Systems Association, 3601 E. Joppa Road, Baltimore, MD 21234.

FSSA PDH-03, *Pipe Design Guide for Use with Special Hazards: Fire Suppression Systems*, Third Edition.

E.1.2.9 IMO Publications.

International Maritime Organization, 4 Albert Embankment, London, SE1 7SR, United Kingdom.

FSS Code, *International Code for Fire Safety Systems*, 2015.

~~IC844E~~ FTP Code, *International Code for Application of Fire Test Procedures (FTP) Code*, 2012 2010.

IMO Resolution A.800(19), *Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12, 1995* ~~As as~~ amended by Resolution MSC.265(84), "Amendments to the Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12 [Resolution A.800(19)]," ~~2020~~ 2008 and by Resolution MSC.284(86) Amendments to the Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12 (Resolution A.800(19)), 2009.

MSC/Circ. 1165, "Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms," 2005.

MSC.1/Circ. 1237, "Amendments to the Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms (MSC/Circ. 1165)," October 2007.

MSC.1/Circ. 1269, "Amendments to the Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms (MSC/Circ. 1165)," June 2008.

MSC.1/Circ. 1386, "Amendments to the Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms (MSC/Circ. 1165)," December 2010.

MSC.1/Circ. 1387; Corr. 1, "Revised Guidelines for the Approval of Fixed Water-Based Local Application Fire-Fighting Systems for Use in Category A Machinery Spaces (MSC/Circ. 913)," December ~~2010~~ 2022.

~~MSC.1/Circ. 1430, "Revised Guidelines for the Design and Approval of Fixed Water-Based Fire-Fighting Systems for Ro-Ro Spaces and Special Category Spaces," May 2012.~~ MSC.1/Circ. 1430/Rev. 3, "Revised Guidelines for the Design and Approval of Fixed Water-Based Fire-Fighting Systems for Ro-Ro Spaces and Special Category Spaces," 2023.

E.1.2.10 ISA Publications.

International Society of Automation, ~~67 T.W. Alexander Drive~~, P.O. Box 12277, Research Triangle Park, NC 27709.

ISA-TR84.00.02, *Safety Integrity Level (SIL) Verification of Safety Instrumented Functions*, 2022.

E.1.2.11 UL Publications.

Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

UL 2167, *Water Mist Nozzles for Fire Protection Service*, 2021.

UL 2167A, Targeting Water Mist System Units for One- and Two-Family Dwellings for Fire Protection Service, 2024.

E.1.2.12 ULC Publications.

Underwriters' Laboratories of Canada, 7 Underwriters Road, Toronto, ON M1R 3A9, Canada.

CAN/ULC S524-19, *Standard for the Installation of Fire Alarm Systems*, 2019.

CAN/ULC S529-23, *Standard for Smoke Detectors for Fire Alarm Systems*, 2023.

E.1.2.13 US Coast Guard Publications.

US Government Publishing Office, 732 North Capitol Street, NW, Washington, DC 20401-0001.

Navigation and Vessel Inspection Circular (NVIC) 9-97 CH-1, *Guide to Structural Fire Protection*, 2014 2010 .

E.1.2.14 VdS Publications.

VdS Schadenverhütung GmbH, 174 Amsterdamer St., 50735 Köln, Germany.

VdS 3188, "Guideline for Water Mist Systems," 2019.

VdS 3883, *Fire Test Protocol for Water Mist Systems*, 2020.

VdS 3883-1en, *Fire Test Protocol for Water Mist Systems — Part 1: Protection of Office Spaces and Accommodation Areas*, 2020.

VdS 3883-2en, *Fire Test Protocol for Water Mist Systems — Part 2: Protection of Office Spaces and Accommodation Areas with Water Mist Sidewall Sprinklers*, 2020.

VdS 3883-3en, *Fire Test Protocol for Water Mist Systems — Part 3: Protection of False Ceilings and False Floor of OH Group 1*, 2020.

VdS 3883-4en, *Fire Test Protocol for Water Mist Systems — Part 4: Protection of Car Garages*, 2020.

VdS 3883-5en, *Fire Test Protocol for Water Mist Systems — Part 5: Protection of Selected Sales and Storage Areas and Mechanical Floors*, 2020.

VdS 3883-6en, *Fire Test Protocol for Water Mist Systems — Part 6: Protection of Paint Booths*, 2020.

VdS 3883-7en, *Fire Test Protocol for Water Mist Systems — Part 7: Protection of Areas with Combustible Liquids*, 2020.

VdS 3883-8en, *Fire Test Protocol for Water Mist Systems — Part 8: Protection of Cable Ducts*, 2020.

E.2 Informational References.

The following documents or portions thereof are listed here as informational resources only. They are not a part of the requirements of this document.

Cote, A. E., and P. A. Powell, eds., "Water Mist Suppression Systems," *Fire Protection Handbook*, 20th edition, 2008.

SFPE *Handbook of Fire Protection Engineering*, 5th edition.

~~IMO-FSS, *International Code for Fire Safety Systems* ,2015:~~

~~IMO- *Standard for Shipboard Corridors, Cabins, and Public Spaces* ,May 2008 :~~

~~IMO- *Standard for Shipboard Machinery Spaces* ,June 2008 :~~

NFPA 14, *Standard for the Installation of Standpipe and Hose Systems*, 2024 edition.

VdS 3188en, *Guidelines for Water Mist Sprinkler Systems and Water Mist Extinguishing Systems (High Pressure Systems) — Planning and Installation*, October 2019.

E.3 References for Extracts in Informational Sections.

NFPA 13, *Standard for the Installation of Sprinkler Systems*, 2025 edition.

NFPA 20, , *Standard for the Installation of Stationary Pumps for Fire Protection*, 2025 edition.

Supplemental Information

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Annex E Informational References

E.1 Referenced Publications.

The documents or portions thereof listed in this annex are referenced within the informational sections of this standard and are not part of the requirements of this document unless also listed in Chapter 2 for other reasons.

E.1.1 NFPA Publications.

National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471.

NFPA 4, *Standard for Integrated Fire Protection and Life Safety System Testing*, 2027 edition.

NFPA 13, *Standard for the Installation of Sprinkler Systems*, 2025 edition.

NFPA 15, *Standard for Water Spray Fixed Systems for Fire Protection*, 2027 edition.

NFPA 20, *Standard for the Installation of Stationary Pumps for Fire Protection*, 2025 edition.

NFPA 70®, *National Electrical Code*®, 2026 edition.

NFPA 72®, *National Fire Alarm and Signaling Code*®, 2025 edition.

NFPA 232, *Standard for the Protection of Records*, 2026 edition.

NFPA 502, *Standard for Road Tunnels, Bridges, and Other Limited Access Highways*, 2026 edition.

E.1.2 Other Publications.

E.1.2.1 ANSI Publications.

American National Standards Institute, Inc., 1180 Avenue of the Americas, 10th Floor, New York, NY 10036.

IEEE C2/NESC, *National Electrical Safety Code*, 2023.

E.1.2.2 ASME Publications.

American Society of Mechanical Engineers, Two Park Avenue, New York, NY 10016-5990.

ASME B31.1, *Power Piping Code*, 2024.

E.1.2.3 ASTM Publications.

ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959.

ASTM E799, *Standard Practice for Determining Data Criteria and Processing for Liquid Drop Size Analysis*, 2003(2020)e1.

ASTM F1547, *Standard Guide Listing Relevant Standards and Publications for Commercial Shipbuilding*, 2009 (withdrawn 2015).

ASTM/IEEE SI10, *American National Standard for Metric Practice*, 2016.

E.1.2.4 CENELEC Publications.

CENELEC, European Committee for Electrotechnical Standardization, CEN-CENELEC Management Centre, Rue de la Science 23, B-1040 Brussels, Belgium.

CEN/EN 14972, *Fixed Firefighting Systems — Water-mist Systems — Part 1: Design, Installation, Inspection and Maintenance*, 2020 (A1: 2025).

E.1.2.5 CSA Group Publications.

CSA Group, 178 Rexdale Blvd., Toronto, ON M9W 1R3, Canada.

CAN/CSA-Z234.1-00, *Metric Practice Guide*, 2011 (withdrawn).

E.1.2.6 FM Approvals LLC.

FM Approvals LLC, 1151 Boston-Providence Turnpike, P.O. Box 9102, Norwood, MA 02062.

FM Approvals 3972, *Examination Standard for Cable Fire Propagation*, 2021.

FM Approvals 5560, *American National Standard for Water Mist Systems*, 2017.

FM Approvals 5560, *Examination Standard for Water Mist Systems*, 2021.

E.1.2.7 FM Publications.

FM, 270 Central Ave, P.O. Box 7500, Johnston, RI 02919.

FM 5560, *Water Mist Systems*, 2022.

FM Property Loss Prevention Data Sheet Number 3-26, *Fire Protection Water Demand for Nonstorage Sprinklered Properties*, 2021.

FM Property Loss Prevention Data Sheet Number 4-2, *Water Mist Systems*, 2022.

FM Property Loss Prevention Data Sheet Number 5-32, *Data Centers and Related Facilities*, 2024.

FM Property Loss Prevention Data Sheet Number 7-7, *Semiconductor Fabrication Facilities*, 2024.

FM Property Loss Prevention Data Sheet Number 7-10, *Wood Processing and Woodworking Facilities*, 2010.

FM Property Loss Prevention Data Sheet Number 7-20, *Oil Cookers*, 2023.

FM Property Loss Prevention Data Sheet Number 7-78, *Industrial Exhaust Systems*, 2021.

FM Property Loss Prevention Data Sheet Number 7-79, *Fire Protection for Gas Turbines and Electric Generators*, 2022.

E.1.2.8 FSSA Publications.

Fire Suppression Systems Association, 3601 E. Joppa Road, Baltimore, MD 21234.

FSSA PDH-03, *Pipe Design Guide for Use with Special Hazards: Fire Suppression Systems*, Third Edition.

E.1.2.9 IMO Publications.

International Maritime Organization, 4 Albert Embankment, London, SE1 7SR, United Kingdom.

FTP Code, *International Code for Application of Fire Test Procedures (FTP) Code*, 2010.

FSS Code, *International Code for Fire Safety Systems*, 2015.

IMO Resolution A.800(19), *Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12* 1995 as amended by Resolution MSC.265(84), "Amendments to the Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12 {[Resolution A.800(19)]}," 2008 and by Resolution MSC.284(86) Amendments to the Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12 (Resolution A.800(19)), 2009.

MSC/Circ. 1165, "Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms," 2005.

MSC.1/Circ. 1237, "Amendments to the Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms (MSC/Circ. 1165)," October 2007.

MSC.1/Circ. 1269, "Amendments to the Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms (MSC/Circ. 1165)," June 2008.

MSC.1/Circ. 1386, "Amendments to the Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms (MSC/Circ. 1165)," December 2010.

MSC.1/Circ. 1387, Corr 1, "Revised Guidelines for the Approval of Fixed Water-Based Local Application Fire-Fighting Systems for Use in Category A Machinery Spaces (MSC/Circ. 913)," December 2022.

MSC.1/Circ. 1430/Rev. 3, "Revised Guidelines for the Design and Approval of Fixed Water-Based Fire-Fighting Systems for Ro-Ro Spaces and Special Category Spaces," 2023.

E.1.2.10 ISA Publications.

International Society of Automation, 67 T.W. Alexander Drive, P.O. Box 12277, Research Triangle Park, NC 27709.

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CAN/ULC S529-23, *Standard for Smoke Detectors for Fire Alarm Systems*, 2023.

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VdS 3883-1en, *Fire Test Protocol for Water Mist Systems — Part 1: Protection of Office Spaces and Accommodation Areas*, 2020.

VdS 3883-2en, *Fire Test Protocol for Water Mist Systems — Part 2: Protection of Office Spaces and Accommodation Areas with Water Mist Sidewall Sprinklers*, 2020.

VdS 3883-3en, *Fire Test Protocol for Water Mist Systems — Part 3: Protection of False Ceilings and False Floor of OH Group 1*, 2020.

VdS 3883-4en, *Fire Test Protocol for Water Mist Systems — Part 4: Protection of Car Garages*, 2020.

VdS 3883-5en, *Fire Test Protocol for Water Mist Systems — Part 5: Protection of Selected Sales and Storage Areas and Mechanical Floors*, 2020.

VdS 3883-6en, *Fire Test Protocol for Water Mist Systems — Part 6: Protection of Paint Booths*, 2020.

VdS 3883-7en, *Fire Test Protocol for Water Mist Systems — Part 7: Protection of Areas with Combustible Liquids*, 2020.

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SFPE Handbook of Fire Protection Engineering, 5th edition.

IMO FSS Code, *International Code for Fire Safety Systems*, 2015.

NFPA 14, *Standard for the Installation of Standpipe and Hose Systems*, 2024 edition.

VdS 3188en, *Guidelines for Water Mist Sprinkler Systems and Water Mist Extinguishing Systems (High Pressure Systems) — Planning and Installation*, October 2019.

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NFPA 20, *Standard for the Installation of Stationary Pumps for Fire Protection*, 2025 edition.