

Question: How often do you inspect private fire hydrants?

Answer: Annually or after each operation (NFPA 25 2023 Edition, Section 7.3.1)

Tags: NFPA 25

Question: What is NFPA 13R used for?

Answer: Residential occupancies up to and including four stories in height (NFPA 13R 2022 Edition, Section 1.1)

Tags: NFPA 13

Question: What is the coverage area for Ordinary Hazard heads?

Answer: 130 square feet (NFPA 13 2025 Edition, Table 11.2.3.1.2)

Tags: NFPA 13

Question: What is the coverage area for Light Hazard heads?

Answer: 225 square feet (NFPA 13 2025 Edition, Table 11.2.3.1.2)

Tags: NFPA 13

Question: What is the coverage area for Extra Hazard heads?

Answer: 100-130 square feet (NFPA 13 2025 Edition, Table 11.2.3.1.2)

Tags: NFPA 13

Question: What is the coverage area for ESFR heads?

Answer: 100 square feet (NFPA 13 2025 Edition, Section 29.3.2)

Tags: NFPA 13

Question: What is the coverage area for Storage heads?

Answer: 100 or 130 square feet (NFPA 13 2025 Edition, Tables 18.1(a)-(d))

Tags: NFPA 13

Question: Minimum air pressure for a pressure tank?

Answer: 75 psi (NFPA 20 2022 Edition, Section 4.32.4)

Tags: NFPA 20

Question: What pipe sizes can feed 1½" hose lines and for what length?

Answer: 1" for horizontal runs up to 20'; 1¼" for 20' to 80'; 1½" for runs over 80' (NFPA 14 2022 Edition, Table 7.3.1.1)

Tags: NFPA 14

Question: What are the bulb colors for each temperature rating?

Answer: Ordinary: Orange/Red; Intermediate: Yellow/Green; High: Blue; Extra High: Purple (NFPA 13 2025 Edition, Table 7.2.4.1)

Tags: NFPA 13

Question: True or False. Control valves that are controlling a fire sprinkler system in an area accessible to the public, and has 20 or less sprinklers on it does not have to be monitored or locked.

Answer: False (Minnesota State Fire Code 2020, Section 903.4)

Tags: Minnesota

Question: How often is the interior of a pressure tank inspected?

Answer: Every 5 years; every 3 years without corrosion protection (NFPA 25 2023 Edition, Section 9.3.5)

Tags: NFPA 25

Question: How often do you flow standpipes?

Answer: 5 years (NFPA 25 2023 Edition, Section 6.3.2.1)

Tags: NFPA 25

Question: How many heads can be taken off a cold weather valve?

Answer: 10 (NFPA 13 2025 Edition, Section 8.3.3.4)

Tags: NFPA 13

Question: Hanger spacing from end of pipe

Answer: 1": 3'; 1¼": 4'; 1½"+: 5' (NFPA 13 2025 Edition, Section 18.5.5.2)

Tags: NFPA 13

Question: Duration of water supply for NFPA 13D systems

Answer: 7-10 minutes for one/two-family dwellings (NFPA 13D 2022 Edition, Section 6.5.2)

Tags: NFPA 13

Question: Why must a check valve with a 3/32" hole in the Clapper be installed in the system riser below the test valve in freezer spaces?

Answer: To prevent evaporation of priming water into system (NFPA 13 2025 Edition, Section 8.3.2.3)

Tags: NFPA 13

Question: Maximum time allowed for water flow alarms to sound

Answer: 5 minutes (NFPA 13 2025 Edition, Section 8.17.1.5)

Tags: NFPA 13

Question: What pressure and flow are 1½" hose stations designed for?

Answer: 50 gpm at system pressure (NFPA 14 2022 Edition, Section 7.10.1.2.1)

Tags: NFPA 14

Question: Class III and Class I standpipe systems are designed for what pressures and flows?

Answer: 250 gpm @ 100 psi (NFPA 14 2022 Edition, Section 7.6)

Tags: NFPA 14

Question: Class II standpipe systems are designed for what pressures and flows?

Answer: 100 gpm @ 65 psi (NFPA 14 2022 Edition, Section 7.6.2)

Tags: NFPA 14

Question: Acceptance tests required for dry pipe systems

Answer: Hydro test, air test, alarm test (NFPA 13 2025 Edition, Chapter 29)

Tags: NFPA 13

Question: Flow of a master stream is?

Answer: At least 250 gpm (NFPA 14 2022 Edition, Section 3.3.17)

Tags: NFPA 14

Question: Bypass around check valve on tank shall be required to fill the tank in how many hours?
What is the minimum size of this bypass?

Answer: 8 hours, 2" diameter (NFPA 22 2023 Edition, Section 14.2.11)

Tags: General

Question: Minimum amount of time to close a valve?

Answer: 5 seconds (NFPA 13 2025 Edition, Section 16.9.5.2)

Tags: NFPA 13

Question: Why is the eccentric reducer on the suction side of the pump?

Answer: To prevent air pockets (NFPA 20 2022 Edition, Section 4.15.6.3)

Tags: NFPA 20

Question: What color frame arms are on extra high temp sprinkler heads?

Answer: Frame arms typically chrome/brass; temp by bulb (NFPA 13 2025 Edition, no frame color code)

Tags: NFPA 13

Question: What percent of portable fire extinguishers can be removed if 1½" hose lines are capable of reaching all parts of the building?

Answer: Up to 50% (Minnesota State Fire Code 2020, Section 906.1)

Tags: Minnesota

Question: What did NFPA 231C govern?

Answer: Rack storage (NFPA 13 2025 Edition, Chapter 25)

Tags: NFPA 13

Question: What type of pipe is not allowed for use in NFPA 13D?

Answer: Aluminum or other pipe not listed (NFPA 13D 2022 Edition, Section 5.2)

Tags: NFPA 13

Question: Extra heavy pattern fittings shall be used when?

Answer: When pressures exceed 175 psi (NFPA 13 2025 Edition, Section 10.3.1)

Tags: NFPA 13

Question: What is the contractor's certificate used for?

Answer: System acceptance (NFPA 13 2025 Edition, Section 29.1)

Tags: NFPA 13

Question: When are return bends used?

Answer: Systems connected to non-potable water supplies (NFPA 13 2025 Edition, Section 8.16.4.2)

Tags: NFPA 13

Question: Powder driven studs must have what attached to them?

Answer: Increaser couplings (NFPA 13 2025 Edition, Section 18.5.3.3)

Tags: NFPA 13

Question: What size head orifice must be used when installing sprinklers in a kitchen hood and a vent duct?

Answer: K-5.6 or listed (NFPA 17A 2024 Edition, Section 4.3)

Tags: General

Question: What temperature heads should be used for light, ordinary, and extra hazard?

Answer: Ordinary (NFPA 13 2025 Edition, Section 7.3.2)

Tags: NFPA 13

Question: Sidewall sprinklers shall not be used under what type of ceiling?

Answer: Sloped ceilings or ceilings that aren't flat (NFPA 13 2025 Edition, Section 12.1.2)

Tags: NFPA 13

Question: Are FDCs required for NFPA 13R systems?

Answer: All but single-story buildings that are less than 2000 sq ft (NFPA 13R 2022 Edition, Section 6.6.4)

Tags: NFPA 13

Question: Pump rooms shall be lighted and heated?

Answer: Yes (NFPA 20 2022 Edition, Section 4.12.1)

Tags: NFPA 20

Question: In scheduled systems, what are the maximum numbers of sprinkler heads that can be taken off sizes 1" through 3"?

Answer: 1":2, 1¼":3, 1½":5, 2":10, etc. (NFPA 13 2025 Edition, Schedule Tables)

Tags: NFPA 13

Question: Maximum time allowed for water to reach inspectors test on dry pipe system?

Answer: 60 seconds (NFPA 13 2025 Edition, Section 8.3.3.7)

Tags: NFPA 13

Question: Hanger spacing for steel pipe

Answer: 1"/1¼":12', 1½"-8":15' (NFPA 13 2025 Edition, Table 18.4.1(a))

Tags: NFPA 13

Question: Hanger spacing for threadable lightwall steel pipe 1" to 3"

Answer: 12' (NFPA 13 2025 Edition, Table 18.4.1(a))

Tags: NFPA 13

Question: Hanger spacing for copper tube pipe

Answer: ¾"-1":8', 1¼"-1½":10', 2"-3":12', 3.5"-8":15' (NFPA 13 2025 Edition, Table 18.4.1(b))

Tags: NFPA 13

Question: Hanger spacing for CPVC pipe

Answer: ¾":5'6", 1":6', 1¼":6'6", 1½":7', 2":8', 2½":9', 3":10' (NFPA 13 2025 Edition, Table 18.4.1(c))

Tags: NFPA 13

Question: Distance between support of risers shall not exceed?

Answer: 25 feet (NFPA 13 2025 Edition, Section 18.5.6.4)

Tags: NFPA 13

Question: Hanger required within what distance on horizontal main after riser?

Answer: Within 24" (NFPA 13 2025 Edition, Section 18.5.3.2)

Tags: NFPA 13

Question: Where does the FDC go on a single zone dry system?

Answer: Between dry pipe valve and control valve (NFPA 13 2025 Edition, Section 16.12.3)

Tags: NFPA 13

Question: What temperature sprinkler head if above a heat duct?

Answer: High if within 7' radius (NFPA 13 2025 Edition, Table 7.3.2.1)

Tags: NFPA 13

Question: Seismic bracing and pipe hangers inspected from floor level how often?

Answer: Annually (NFPA 25 2023 Edition, Section 5.2.3)

Tags: NFPA 25

Question: Maximum distance between 1½" hose stations?

Answer: 130 ft hose reach (NFPA 14 2022 Edition, Section 7.3.3)

Tags: NFPA 14

Question: What is the Minnesota state fire protection code?

Answer: 299M (MN Statutes Chapter 299M)

Tags: General

Question: What is the fine for working in Minnesota without a Minnesota journeyman's license?

Answer: Misdemeanor, up to \$1,000/90 days (MN Statutes 609.02 Subd. 3; 299M)

Tags: General

Question: What is the maximum square footage of a light hazard zone?

Answer: 52,000 sq ft (NFPA 13 2025 Edition, Section 5.2)

Tags: NFPA 13

Question: What is the maximum square footage of an ordinary hazard zone?

Answer: 52,000 sq ft (NFPA 13 2025 Edition, Section 5.3)

Tags: NFPA 13

Question: What is the maximum square footage of an extra hazard zone?

Answer: 40,000 sq ft for hydraulically calculated systems and 20,000 sq ft for scheduled systems (NFPA 13 2025 Edition, Section 5.4)

Tags: NFPA 13

Question: What is the maximum square footage of storage zones?

Answer: 40,000 sq ft (NFPA 13 2025 Edition, Section 5.5)

Tags: NFPA 13

Question: What is mandatory on the suction side of the pump before the eccentric reducer?

Answer: OS&Y; valve (NFPA 20 2022 Edition, Section 4.16)

Tags: NFPA 20

Question: What is mandatory on the discharge side of the fire pump?

Answer: Listed check or backflow then an indicating valve (NFPA 20 2022 Edition, Section 4.17)

Tags: NFPA 20

Question: When using a cement solvent as a bonding agent you must or must not put a sprinkler head in the fitting before you screw it onto the pipe?

Answer: Must not (NFPA 13 2025 Edition, Section 10.3.4)

Tags: NFPA 13

Question: When installing pipe on a dry system inside a refrigerated space, what pitch is required for the mains?

Answer: ½" per 10 feet for mains and lines (NFPA 13 2025 Edition, Section 8.2.2.2)

Tags: NFPA 13

Question: Air supply entering the freezer area shall be equipped with two supply lines at least 6 feet long and of what diameter pipe?

Answer: 1 inch (NFPA 13 2025 Edition, Section 8.2.3.3)

Tags: NFPA 13

Question: What is NFPA 13D used for?

Answer: Single and two-family dwellings (NFPA 13D 2022 Edition, Section 1.1)

Tags: NFPA 13

Question: Is an FDC required for an NFPA 13D type system?

Answer: No (NFPA 13D 2022 Edition, Section 5.5)

Tags: NFPA 13

Question: There is a new suspended ceiling installed under an existing system, what is the maximum length of the nipple rising out of the tee to supply pendant heads below?

Answer: Up to 12" (NFPA 13 2025 Edition, Section 11.2.5.2.3)

Tags: NFPA 13

Question: An area of low temperature and low combustibility is considered what type of hazard?

Answer: Light hazard (NFPA 13 2025 Edition, Section 4.3.1)

Tags: NFPA 13

Question: What is the maximum distance between hangers on 1" schedule 40 pipe?

Answer: 12 feet (NFPA 13 2025 Edition, Table 18.4.1(a))

Tags: NFPA 13

Question: Minimum clearance between storage and deflector of large drop sprinkler heads?

Answer: 3 feet (NFPA 13 2025 Edition, Section 14.2.4.1)

Tags: NFPA 13

Question: What type of system works with or without air pressure?

Answer: Preaction system (NFPA 13 2025 Edition, Section 3.3.19)

Tags: NFPA 13

Question: Besides the heads going off on a preaction system, what must happen before water enters the system?

Answer: Detection system must be activated (NFPA 13 2025 Edition, Section 8.3.2)

Tags: NFPA 13

Question: A pump room and valve enclosure must maintain a temperature of what to keep from freezing.

Answer: 40°F (4°C) or above (NFPA 20 2022 Edition, Section 4.32.1)

Tags: NFPA 20

Question: True or False. Powder driven studs or welded studs must have a coupling to attach to the rods.

Answer: True (NFPA 13 2025 Edition, Section 18.5.3.3)

Tags: NFPA 13

Question: How long should the water supply be capable of supplying all exposure sprinklers during a fire?

Answer: 60 minutes (NFPA 13 2025 Edition, Section 13.1.2)

Tags: NFPA 13

Question: A relief valve shall be set to relieve pressure at what psi?

Answer: 175 psi or 10 psi over maximum system pressure (NFPA 13 2025 Edition, Section 8.1.2)

Tags: NFPA 13

Question: When does the license for a journeyman expire each year?

Answer: June 30th (MN Rules 7512.0200 Subp. 2)

Tags: General

Question: When installing an antifreeze system, the solutions shall conform to who?

Answer: Local Health Department (NFPA 13 2025 Edition, Section 5.3.3)

Tags: NFPA 13

Question: Minimum operating pressure for a sprinkler head?

Answer: 7 psi (NFPA 13 2025 Edition, Section 7.5.1)

Tags: NFPA 13

Question: What type of pipe is not acceptable for a standpipe?

Answer: Ductile iron pipe allowed if listed (NFPA 14 2022 Edition, Section 5.1.1)

Tags: NFPA 14

Question: When are local waterflow alarms needed?

Answer: When there is more than 20 heads (NFPA 13 2025 Edition, Section 8.17.1)

Tags: NFPA 13

Question: What is the smallest orifice size for a head in a rack storage system?

Answer: 5.6 or 8.0 K factor (NFPA 13 2025 Edition, Section 21.1)

Tags: NFPA 13

Question: Minimum clearance between deflector and storage of standard sprinkler head?

Answer: 18" (NFPA 13 2025 Edition, Section 11.1.4)

Tags: NFPA 13

Question: Minimum height above grade for a fire hydrant?

Answer: 18" (MN Rules 7512.0100 Subp. 36)

Tags: General

Question: Minimum and maximum height above grade an FDC shall be placed?

Answer: 18" and 48" (MN Fire Code 2020, Section 912.2.2)

Tags: General

Question: How often do you check air and water levels on a pressure tank?

Answer: Monthly (NFPA 25 2023 Edition, Section 9.3.4)

Tags: NFPA 25

Question: How often do you check standpipe components?

Answer: Quarterly (NFPA 25 2023 Edition, Section 6.2.1)

Tags: NFPA 25

Question: How often do you check standpipe valves?

Answer: Quarterly (NFPA 25 2023 Edition, Section 13.3.2)

Tags: NFPA 25

Question: How often do you inspect FDCs?

Answer: Quarterly (NFPA 25 2023 Edition, Section 13.8.1)

Tags: NFPA 25

Question: How often do you inspect kitchen hoods?

Answer: Monthly (NFPA 96 2024 Edition, Section 12.4)

Tags: General

Question: How often shall the fire pumps below be run? Diesel Electric Steam

Answer: Diesel = Weekly for a minimum of 30-minute run time Electric = Weekly for a minimum of 10-minute run time Steam = Weekly (NFPA 25 2023 Edition, Section 8.3.3)

Tags: NFPA 25

Question: Main drain size for risers?

Answer: Up to 2": $\frac{3}{4}$ "; 2½" to 3½": 1¼"; 4" and larger: 2" (NFPA 13 2025 Edition, Table 29.2.1.15)

Tags: NFPA 13

Question: Amount of time for a compressor to fill a dry system?

Answer: 30 minutes (NFPA 13 2025 Edition, Section 8.2.6.3)

Tags: NFPA 13

Question: When calculating a sprinkler system, which part is most remote?

Answer: Farthest head from the riser (NFPA 13 2025 Edition, Section 27.2.4)

Tags: NFPA 13

Question: Where do calculations start on a sprinkler system?

Answer: Remote end head (NFPA 13 2025 Edition, Section 27.2.4)

Tags: NFPA 13

Question: How many residential heads do you calculate on an NFPA 13 type calculation?

Answer: 4 continuous heads (NFPA 13 2025 Edition, Section 27.2.4.6)

Tags: NFPA 13

Question: Distances of a hose valve location above the floor?

Answer: 3' to 5' (NFPA 14 2022 Edition, Section 7.3.4)

Tags: NFPA 14

Question: When can sprinklers have a closed valve?

Answer: When they are constantly attended (NFPA 13 2025 Edition, Section 16.9.3)

Tags: NFPA 13

Question: What type of sprinkler heads do you use when temperatures exceed 100°F?

Answer: Intermediate or high temperature (NFPA 13 2025 Edition, Table 7.3.2.1)

Tags: NFPA 13

Question: Temperature range for intermediate heads?

Answer: Max ceiling temp = 150°F Temperature rating = 175°F to 225°F (NFPA 13 2025 Edition, Table 7.3.2.1)

Tags: NFPA 13

Question: A pressure tank shall be at least how full?

Answer: At least ■ full (NFPA 25 2023 Edition, Section 9.3.4.2)

Tags: NFPA 25

Question: When the system pressure exceeds 100 psi, the unsupported distance between the end sprinkler in the pendant position or drop nipple and the closest hanger shall not exceed what?

Answer: Steel - 1 foot Copper - 6" CPVC - 6" (NFPA 13 2025 Edition, Section 18.5.5.10)

Tags: NFPA 13

Question: Horizontal piping from the standpipe to the hose connection more than 18" long shall be provided with hangers?

Answer: Yes (NFPA 14 2022 Edition, Section 9.1.3)

Tags: NFPA 14

Question: What pitch is required for dry systems?

Answer: ½" per 10 feet for mains ¼" per 10 feet for branch lines (NFPA 13 2025 Edition, Section 8.2.2)

Tags: NFPA 13

Question: Minimum discharge of a residential sprinkler head?

Answer: Single head design = 18 gpm Two head design = 13 gpm (NFPA 13D 2022 Edition, Section 11.1)

Tags: NFPA 13

Question: Maximum spacing between residential sprinkler heads?

Answer: 12 feet or 144 sq ft (NFPA 13D 2022 Edition, Section 10.2)

Tags: NFPA 13

Question: Maximum size pipe a lag screw rod can support?

Answer: 4" (NFPA 13 2025 Edition, Section 18.5.9.6)

Tags: NFPA 13

Question: What color bulb is required for a head in a heater zone within a 7 ft circle?

Answer: Blue (NFPA 13 2025 Edition, Table 7.2.4.1)

Tags: NFPA 13

Question: Minimum distance between heads for residential type?

Answer: 8 feet (NFPA 13D 2022 Edition, Section 10.2.1)

Tags: NFPA 13

Question: What areas do not need sprinklers in NFPA 13R?

Answer: A. Bathrooms less than 55 sq ft B. Closets less than 24 sq ft and least dimension under 3 feet C. Porches and balconies D. Attics and concealed spaces (NFPA 13R 2022 Edition, Section 6.4)

Tags: NFPA 13

Question: Lag screw size for 6" pipe?

Answer: ½ inch (NFPA 13 2025 Edition, Table 18.5.9.1)

Tags: NFPA 13

Question: Length of hose in hose stations?

Answer: 100 feet (NFPA 14 2022 Edition, Section 7.3.2)

Tags: NFPA 14

Question: Sprinklers under skylights shall have what temperature rating?

Answer: Intermediate (NFPA 13 2025 Edition, Table 7.3.2.1)

Tags: NFPA 13

Question: In attics, what is the maximum distance the heads can be out of center and what is the maximum distance vertically from the peak the heads can be?

Answer: Up to 3 ft off center (NFPA 13 2025 Edition, Section 12.1.1.3)

Tags: NFPA 13

Question: In hotels and motels, NFPA 13 does not require heads in the closets when they meet what two provisions?

Answer: <24 sq ft and <3 ft dim (NFPA 13 2025 Edition, Section 9.5.5.13)

Tags: NFPA 13

Question: How often is lateral sway bracing needed for feed and cross mains?

Answer: Every 40 feet (NFPA 13 2025 Edition, Section 18.5.10.3)

Tags: NFPA 13

Question: Maximum distance after check valve that the FDC must be located?

Answer: No max specified (NFPA 13 2025 Edition, Section 16.12.3)

Tags: NFPA 13

Question: What is the spare sprinkler head schedule?

Answer: 0-299 heads = 6 spare heads 300-999 heads = 12 spare heads 1000+ heads = 24 spare heads (NFPA 13 2025 Edition, Section 7.3.1)

Tags: NFPA 13

Question: How many manual and automatic starts are needed when performing acceptance testing of fire pump?

Answer: At least six (NFPA 20 2022 Edition, Section 14.2.5)

Tags: NFPA 20

Question: Minimum size of discharge on tank?

Answer: 6" but not <2" (NFPA 22 2023 Edition, Section 5.3.1)

Tags: General

Question: What is the minimum distance required of a lintel to have it considered a compartment?

Answer: 8 inches (NFPA 13 2025 Edition, Section 9.5.3.1.5)

Tags: NFPA 13

Question: What distance changes the spacing of sprinkler heads when dealing with vertical ceiling height changes?

Answer: >36" equal space (NFPA 13 2025 Edition, Section 11.1.3)

Tags: NFPA 13

Question: What types of sprinkler heads can be used on dry systems?

Answer: Uprights, sidewalls no trap, listed dry, return bends (NFPA 13 2025 Edition, Section 8.4.8)

Tags: NFPA 13

Question: Dry systems air leakage allowed per week?

Answer: 3 psi max loss in 24 hrs at 40 psi (NFPA 13 2025 Edition, Section 29.2.1.1)

Tags: NFPA 13

Question: What is the maximum volume of an antifreeze loop?

Answer: None NFPA 13; 40 gal 13D/13R (NFPA 13 2025 Edition, Section 5.3.4)

Tags: NFPA 13

Question: Who invented pipe calculations?

Answer: Hazen Williams (Standard hydraulic method)

Tags: General

Question: How much weight should a hanger be able to support?

Answer: Water-filled +250 lbs (NFPA 13 2025 Edition, Section 18.1.1.2)

Tags: NFPA 13

Question: How many gauges are on a dry pipe system?

Answer: At least 2 (NFPA 13 2025 Edition, Section 16.13)

Tags: NFPA 13

Question: How many heads do you calculate on an NFPA 13R type system?

Answer: Up to max four (NFPA 13R 2022 Edition, Section 11.2)

Tags: NFPA 13

Question: Light hazard small room rule is what?

Answer: Unobstructed <800 sq ft enclosed (NFPA 13 2025 Edition, Section 11.1.7)

Tags: NFPA 13

Question: Post indicator valves shall be located not less than how many feet from a building?

Answer: 40 feet (NFPA 24 2022 Edition, Section 6.3.3)

Tags: General

Question: What is the universal code that deals with fire protection?

Answer: UFC, IBC, IFC (Various jurisdictions)

Tags: General

Question: Minimum square feet of ESFR heads?

Answer: 80 sq ft (NFPA 13 2025 Edition, Table 17.2.3.1)

Tags: NFPA 13

Question: What materials are left for the owner after job completion?

Answer: A copy of NFPA 25, data sheets, and instructions for proper operation and maintenance (NFPA 13 2025 Edition, Section 29.6)

Tags: NFPA 13, NFPA 25

Question: How much clearance is needed around pipe in a pump house that passes through walls?

Answer: 1 inch (NFPA 20 2022 Edition, Section 4.13)

Tags: NFPA 20

Question: How many heads are allowed on branch lines on either side of a cross main?

Answer: 8 max light hazard (NFPA 13 2025 Edition, Figure 11.1.1.2.1)

Tags: NFPA 13

Question: How many heads are needed before an FDC is required?

Answer: 20 (NFPA 13 2025 Edition, Section 16.12.1)

Tags: NFPA 13

Question: What is a manual standpipe system?

Answer: Relies on pressure boost from fire department pumper truck via FDC (NFPA 14 2022 Edition, Section 3.3.18)

Tags: NFPA 14

Question: CPVC pipe and fittings should be protected against freezing with what type of system?

Answer: Glycerin (NFPA 13 2025 Edition, Section 5.3.3.2)

Tags: NFPA 13

Question: Post indicator valves shall be set so that the top of the post is how far above the final grade?

Answer: 32-40" (NFPA 24 2022 Edition, Section 6.3.3)

Tags: General

Question: Class I and III standpipes shall be of at least what size?

Answer: 4 inch (NFPA 14 2022 Edition, Section 5.4.1)

Tags: NFPA 14

Question: What is the standard procedure for a hydrostatic test?

Answer: 200 psi or 50 psi over if >150 psi, 2 hours (NFPA 13 2025 Edition, Section 29.2.1)

Tags: NFPA 13

Question: How many heads are needed on a system before supervision is required?

Answer: 20 heads (NFPA 13 2025 Edition, Section 16.9.3)

Tags: NFPA 13

Question: What is the largest pipe size that can have a threaded union installed on it?

Answer: 2 inch (NFPA 13 2025 Edition, Section 10.3.5)

Tags: NFPA 13

Question: Unsupported length on the end of branch lines from the last hanger location for 1¼" pipe?

Answer: 4 feet (NFPA 13 2025 Edition, Section 18.5.5.2)

Tags: NFPA 13

Question: What size of predrilled hole is needed for the lag screw?

Answer: 1/16" greater than diameter of bolt maximum (NFPA 13 2025 Edition, Section 18.5.9.4)

Tags: NFPA 13

Question: What is the largest pipe size that can be hung from a toggle hanger?

Answer: 1½" (NFPA 13 2025 Edition, Section 18.5.7.3)

Tags: NFPA 13

Question: How often does an electric fire pump need to be operated at rated speed?

Answer: Annually (NFPA 25 2023 Edition, Section 8.3.7)

Tags: NFPA 25

Question: Maximum pressure of a 2½" hose valve on a standpipe system?

Answer: 175 psi (NFPA 14 2022 Edition, Section 7.8.2)

Tags: NFPA 14

Question: Maximum gallons for a dry system?

Answer: 750 gallons (NFPA 13 2025 Edition, Section 8.2.1)

Tags: NFPA 13

Question: Trapped water less than 5 gallons, between 5 and 50 gallons, and greater than 50 gallons require what size auxiliary drain?

Answer: <5 gal: ½"; 5-50: ¾"; >50: 1" (NFPA 13 2025 Edition, Section 16.10.5)

Tags: NFPA 13

Question: Trapped water over 50 gallons requires what size of auxiliary drain?

Answer: No less than 1" (NFPA 13 2025 Edition, Section 16.10.5)

Tags: NFPA 13

Question: Where does an FDC need to be located?

Answer: Street side and within 100 feet of a hydrant (NFPA 14 2022 Edition, Section 6.4.5.4)

Tags: NFPA 14

Question: Ordinary hazard, if your heads are located 12'6" apart along the branch line, what is the maximum distance between the lines allowed?

Answer: 10.4 feet (NFPA 13 2025 Edition, Section 11.2.5.2)

Tags: NFPA 13

Question: When tightening heads, in what direction should the arms of the sprinkler heads be?

Answer: Parallel with pipe (NFPA 13 2025 Edition, Section 10.2.2)

Tags: NFPA 13

Question: What is the maximum sprinkler spacing for an extra hazard system?

Answer: Pipe schedule = 90 sq ft Density equal to and greater than .25 = 100 sq ft Density less than .25 = 130 sq ft (NFPA 13 2025 Edition, Section 11.3.1)

Tags: NFPA 13

Question: What is the maximum allowable distance between the ceiling and deflector below a non-combustible ceiling?

Answer: 12 inches (NFPA 13 2025 Edition, Section 10.2.5.2)

Tags: NFPA 13

Question: Hanger spacing for steel pipe

Answer: 1"/1¼":12'; 1½"-8":15' (NFPA 13 2025 Edition, Table 18.4.1(a))

Tags: NFPA 13

Question: Hanger spacing for copper tube pipe

Answer: ¾"-1":8'; 1¼"-1½":10'; 2"-3":12'; 3.5"-8":15' (NFPA 13 2025 Edition, Table 18.4.1(b))

Tags: NFPA 13

Question: Hanger spacing for CPVC pipe

Answer: ¾":5'6"; 1":6'; 1¼":6'6"; 1½":7'; 2":8'; 2½":9'; 3":10' (NFPA 13 2025 Edition, Table 18.4.1(c))

Tags: NFPA 13

Question: In hotels and motels, NFPA 13 does not require heads in the closets when they meet what two provisions?

Answer: Less than 24 sq ft and least dimension less than 3 feet (NFPA 13 2025 Edition, Section 9.5.5.13)

Tags: NFPA 13

Question: Minimum size of discharge on tank?

Answer: 6 inches in most cases but not less than 2" (NFPA 22 2023 Edition, Section 5.3.1)

Tags: General

Question: What distance changes the spacing of sprinkler heads when dealing with vertical ceiling height changes?

Answer: >36 inches heads must be equally spaced from both sides of the soffit (NFPA 13 2025 Edition, Section 11.1.3)

Tags: NFPA 13

Question: What types of sprinkler heads can be used on dry systems?

Answer: Uprights, sidewalls where water is not trapped, listed dry pendants & sidewalls, and pendants & sidewalls off return bends (NFPA 13 2025 Edition, Section 8.4.8)

Tags: NFPA 13

Question: What is the maximum volume of an antifreeze loop?

Answer: None in NFPA 13, 40 gallons in NFPA 13D and NFPA 13R (NFPA 13 2025 Edition, Section 5.3.4)

Tags: NFPA 13

Question: Who invented pipe calculations?

Answer: Hazen Williams (Standardhydraulic method)

Tags: General

Question: How much weight should a hanger be able to support?

Answer: Water filled pipe plus 250 lbs (NFPA 13 2025 Edition, Section 18.1.1.2)

Tags: NFPA 13

Question: How many heads do you calculate on an NFPA 13R type system?

Answer: Up to a maximum of four (NFPA 13R 2022 Edition, Section 11.2)

Tags: NFPA 13

Question: Light hazard small room rule is what?

Answer: Unobstructed construction and an area of not more than 800 sq ft that is enclosed (NFPA 13 2025 Edition, Section 11.1.7)

Tags: NFPA 13

Question: How many heads are allowed on branch lines on either side of a cross main?

Answer: 8 heads max for light hazard (NFPA 13 2025 Edition, Figure 11.1.1.2.1)

Tags: NFPA 13

Question: Sidewall sprinkler head deflectors should be what distance down from the finished ceiling?

Answer: 4" to 6" (NFPA 13 2025 Edition, Section 10.3.6.1)

Tags: NFPA 13

Question: What is the pressure requirement at the top of the standpipe?

Answer: 100 psi (NFPA 14 2022 Edition, Section 7.8.1)

Tags: NFPA 14

Question: How often should sprinkler heads be replaced in commercial type cooking equipment and ventilating systems?

Answer: Annually (MN Fire Code 2020, Section 904.12.6.3)

Tags: General

Question: What is the minimum spacing between an upright sprinkler head and a hanger rod?

Answer: 3" (NFPA 13 2025 Edition, Section 18.5.5.11)

Tags: NFPA 13

Question: On a plastic system, what is the minimum pipe size?

Answer: $\frac{3}{4}$ " (NFPA 13 2025 Edition, Section 6.3.1)

Tags: NFPA 13

Question: Maximum horizontal sprinkler head spacing for in-rack sprinklers?

Answer: Typically 12' and 8' for encapsulated storage (NFPA 13 2025 Edition, Section 25.8)

Tags: NFPA 13

Question: Pressure relief valves should be used on what type of system?

Answer: Gridded wet system (NFPA 13 2025 Edition, Section 8.1.2)

Tags: NFPA 13

Question: On a dry pipe valve, what is the ratio water to air?

Answer: 5 to 6:1 (NFPA 13 2025 Edition, Section 8.2.3.7)

Tags: NFPA 13

Question: On a 2500 gpm pump or smaller, what size automatic relief valve is required?

Answer: $\frac{3}{4}$ " for pumps 2500 gpm and under and 1" for larger pumps (NFPA 20 2022 Edition, Table 4.48(a))

Tags: NFPA 20

Question: Controllers for fire pumps shall be mounted at least how far above the floor?

Answer: 12" (NFPA 20 2022 Edition, Section 10.5.2.1)

Tags: NFPA 20

Question: Fuel tanks for fire pumps shall have a capacity at least equal to what?

Answer: 1 gallon per HP plus 5% volume for expansion plus 5% volume for sump (NFPA 20 2022 Edition, Section 11.6.2)

Tags: NFPA 20

Question: Sensing lines for fire pumps shall consist of what type and size of piping?

Answer: Brass, copper, or stainless steel $\frac{1}{2}$ " (NFPA 20 2022 Edition, Section 4.32)

Tags: NFPA 20

Question: What size rod is required for hanging 10 inch and 12 inch pipe?

Answer: $\frac{1}{2}$ " (NFPA 13 2025 Edition, Table 18.5.12.1)

Tags: NFPA 13

Question: Horizontal piping from a standpipe to hose valve shall require a hanger at what length?

Answer: 18 inches (NFPA 14 2022 Edition, Section 9.1.3)

Tags: NFPA 14

Question: Standpipes that are part of a combined system shall be at least what pipe size?

Answer: 4" for completely sprinkled buildings otherwise 6" (NFPA 14 2022 Edition, Section 5.4.1.2)

Tags: NFPA 14

Question: Size of drain required for a 2½" standpipe?

Answer: 1¼" (NFPA 14 2022 Edition, Table 6.3.1.1)

Tags: NFPA 14

Question: In trenches cut through rock, what is the required tamped backfill under and around the pipe and how much above the pipe?

Answer: 6" under/around; 2 ft above (NFPA 24 2022 Edition, Section 10.9)

Tags: General

Question: What type of heads are required if water temperature exceeds 100°F?

Answer: Intermediate or high temperature (NFPA 13 2025 Edition, Table 7.3.2.1)

Tags: NFPA 13

Question: Sprinklers in rack shall discharge not less than how many psi for all classes of commodities?

Answer: 15 psi (NFPA 13 2025 Edition, Section 27.2.4.6.5)

Tags: NFPA 13

Question: Tread tire storage piles regardless of storage method shall not exceed how many feet in the direction of wheel holes?

Answer: Varies by arrangement (NFPA 13 2025 Edition, Section 25.9)

Tags: NFPA 13

Question: A minimum of how many inches shall be maintained between the sprinkler deflector and the top of a tier of storage?

Answer: 18" (NFPA 13 2025 Edition, Section 11.1.4)

Tags: NFPA 13

Question: Pendant and upright sprinklers for residential application shall be positioned so that the deflectors are within how many inches from the ceiling?

Answer: 1" to 4" (NFPA 13D 2022 Edition, Section 10.3.3)

Tags: NFPA 13

Question: For a water storage tank, the distance between the floor and any part of the tank shall be at least how many feet?

Answer: 2 feet (NFPA 22 2023 Edition, Section 4.3)

Tags: General

Question: In light hazard, how many heads are allowed off 1½" pipe?

Answer: 5 sprinkler heads (NFPA 13 2025 Edition, Schedule)

Tags: NFPA 13

Question: On a dry pipe valve with a 5 to 1 ratio and system psi of 75, what pressure will the valve trip at?

Answer: 15 psi (Calculation per NFPA 13 2025 Edition, Section 8.2.3.7)

Tags: NFPA 13

Question: A relief valve on a dry system located between the compressor and control valve shall be set at _____ psi in excess of maximum air pressure in the system?

Answer: 10 psi (NFPA 13 2025 Edition, Section 8.1.2.2)

Tags: NFPA 13

Question: System components shall not be rated less than _____ psi for aboveground components and _____ psi for underground components?

Answer: 175 psi, 150 psi (NFPA 13 2025 Edition, Section 6.1.1)

Tags: NFPA 13

Question: Maximum operating pressure for extra hazard, palletized, solid piled, in bin box, and on shelf storage?

Answer: 175 psi (NFPA 13 2025 Edition, Section 27.2.4.3)

Tags: NFPA 13

Question: Minimum operating pressure of an in-rack sprinkler head?

Answer: 15 psi (NFPA 13 2025 Edition, Section 27.2.4.6.5)

Tags: NFPA 13

Question: Hours required for MN Test

Answer: 8000 (MN Statutes 299M)

Tags: General

Question: NFPA ___ is the Standard for the Installation of Sprinkler Systems.

Answer: 13 (NFPA 13 2025 Edition)

Tags: NFPA 13

Question: NFPA ___ is the Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes.

Answer: 13D (NFPA 13D 2022 Edition)

Tags: NFPA 13

Question: NFPA ___ is the Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies.

Answer: 13R (NFPA 13R 2022 Edition)

Tags: NFPA 13

Question: NFPA ___ is the Standard for the Installation of Standpipes and Hose Systems.

Answer: 14 (NFPA 14 2022 Edition)

Tags: NFPA 14

Question: NFPA ___ is the Standard for the Installation of Private Fire Hydrants.

Answer: 24 (NFPA 24 2022 Edition)

Tags: General

Question: NFPA ___ is the Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems.

Answer: 25 (NFPA 25 2023 Edition)

Tags: NFPA 25

Question: NFPA ___ is the Standard for the Installation of Stationary Pumps for Fire Protection.

Answer: 20 (NFPA 20 2022 Edition)

Tags: NFPA 20

Question: NFPA ___ is the Standard for Water Tanks for Private Fire Protection.

Answer: 22 (NFPA 22 2023 Edition)

Tags: General

Question: NFPA ___ is the National Fire Alarm and Signaling Code.

Answer: 72 (NFPA 72 2024 Edition)

Tags: General

Question: NFPA ___ is the Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations.

Answer: 96 (NFPA 96 2024 Edition)

Tags: General

Question: NFPA ___ is the Standard for Wet Chemical Extinguishing Systems.

Answer: 17A (NFPA 17A 2024 Edition)

Tags: General

Question: Class ___ standpipe: 2½" connections FD use

Answer: Class I (NFPA 14 2022 Edition, Section 4.1.1)

Tags: NFPA 14

Question: Class ____ standpipe: 1½" connections occupant

Answer: Class II (NFPA 14 2022 Edition, Section 4.1.2)

Tags: NFPA 14

Question: Class ____ standpipe: Both 1½"/2½"

Answer: Class III (NFPA 14 2022 Edition, Section 4.1.3)

Tags: NFPA 14

Question: If fire pump suction pipe is perpendicular to fire pump and the pipe is 8 inch pipe, how far does the pump suction flange have to be from the elbow?

Answer: 80 inches (10x diameter) (NFPA 20 2022 Edition, Section 4.15.3.3)

Tags: NFPA 20

Question: Per NFPA 13 2016 if you have to use a heat collector because the sprinkler is too far down from the deck it needs to be _____ inches below the deck.

Answer: Not Allowed (NFPA 13 2025 Edition, no provision)

Tags: NFPA 13

Question: The discharge pipe of a fire pump is bigger than the discharge flange of the fire pump. Which fitting is needed to make the change?

Answer: Concentric Reducer (NFPA 20 2022 Edition, Section 4.15.6.4)

Tags: NFPA 20

Question: In the types of system listed below, which one is not ok with a paddle type water flow switch installed?

Answer: Dry System (NFPA 13 2025 Edition, Section 17.17.1)

Tags: NFPA 13

Question: Wet pipe systems shall only be installed in areas where the temperature is maintained at _____ degrees at its lowest point.

Answer: 40°F (NFPA 13 2025 Edition, Section 5.4.1)

Tags: NFPA 13

Question: It is an acceptable practice to install a paddle-type water flow switch on the bottom of a horizontal main?

Answer: No (NFPA 13 2025 Edition, Section 17.17.1.3)

Tags: NFPA 13

Question: Upright sprinklers on pipes _____ inch or larger must be placed on sprigs or offset from the pipe to eliminate the obstruction.

Answer: 3 inches (NFPA 13 2025 Edition, Section 10.3.5.4)

Tags: NFPA 13

Question: When installing upright sprinklers in a branch line piping system, the frame arms of the sprinkler shall be lined up _____ with the branch line as to eliminate an obstruction.

Answer: Parallel (NFPA 13 2025 Edition, Section 10.2.6)

Tags: NFPA 13

Question: True or False. Jockey pumps, jockey control valves, and jockey check valves are not required to be listed for fire protection use.

Answer: False (NFPA 20 2022 Edition, Section 10.3.4)

Tags: NFPA 20

Question: All wet systems that do not contain an air reservoir must have a listed relief valve installed in the system. The relief valve must be set to relieve pressure at 175 psi or _____ psi above maximum system pressure.

Answer: 10 psi (NFPA 13 2025 Edition, Section 8.1.2)

Tags: NFPA 13

Question: In a dry system where the capacity of trapped section of pipe is 5 gallons or less, the auxiliary drain shall consist of a valve _____ inch or larger, nipple and cap?

Answer: 1/2 inch (NFPA 13 2025 Edition, Section 16.10.5.3)

Tags: NFPA 13

Question: In a dry system where the capacity of trapped section of pipe is more than 5 gallons, the auxiliary drain shall consist of two 1 inch valves and one _____ inch nipple.

Answer: Condensate 3/4" (NFPA 13 2025 Edition, Section 8.16.2.5.3)

Tags: NFPA 13

Question: Although using tie in drains on a dry system is essentially making a gridded dry system, it is allowed as long as the pipe is _____ inch size and is pitched at a 1/2 inch per 10 feet?

Answer: 1 inch (NFPA 13 2025 Edition, Section 8.16.2.5.4)

Tags: NFPA 13

Question: When installing a dry system and performing the final acceptance test, the system needs to be air pressure tested at 40 psi for _____ hours?

Answer: 24 hours (NFPA 13 2025 Edition, Section 29.2.1.1)

Tags: NFPA 13

Question: Residential sprinklers have a different discharge pattern than standard spray sprinkler. They are required to wet the wall within _____ inches of the ceiling?

Answer: 28 inches (NFPA 13D 2022 Edition, Section 6.2.4)

Tags: NFPA 13

Question: Per MN state fire marshal, Central oring sprinklers do not have to be changed as long as they are installed in systems with high pressures. True or False.

Answer: False (MN Fire Code 2020, Section 903.3.1)

Tags: General

Question: A sprinkler system employing open sprinklers would be classified as what type of system?

Answer: Deluge (NFPA 13 2025 Edition, Section 3.3.15)

Tags: NFPA 13

Question: The larger the air bubble in an glass bulb sprinkler, the _____ it takes before the sprinkler activates?

Answer: longer time (NFPA 13 2025 Edition, A.7.4)

Tags: NFPA 13

Question: What is the maximum width of an obstruction before you need to add a sprinkler under the obstruction on an ESFR system?

Answer: 4 ft (NFPA 13 2025 Edition, Section 14.2.4.2)

Tags: NFPA 13

Question: Where ESFR sprinkler are installed adjacent to sprinkler system with standard-response sprinklers, a draft curtain of noncombustible construction and at least ____ in depth is required.

Answer: 2 ft (NFPA 13 2025 Edition, Section 12.1.1.3.9)

Tags: NFPA 13

Question: When installing sprinklers in the area of a hanging heater, what type sprinklers must be installed in a 7 foot circle around the heater?

Answer: high (NFPA 13 2025 Edition, Table 7.3.2.1)

Tags: NFPA 13

Question: When installing sprinklers in an area with a hanging heater, a cone shape area of 20 feet from center of unit, going with the blower of the heater must be what type sprinklers?

Answer: intermediate (NFPA 13 2025 Edition, Table 7.3.2.1)

Tags: NFPA 13

Question: What is the maximum square footage of any one standard spray sprinkler is ____?

Answer: 225 sq ft (NFPA 13 2025 Edition, Table 11.2.3.1.2)

Tags: NFPA 13

Question: If installing a sprinkler system in a building with less than 300 sprinklers how many sprinklers shall be installed in spare sprinkler cabinet?

Answer: 6 (NFPA 13 2025 Edition, Table 7.3.1.3)

Tags: NFPA 13

Question: When installing a sprinkler system with over 300 sprinklers but less than 1000 sprinklers how many sprinkler shall be installed in the spare sprinkler cabinet?

Answer: 12 (NFPA 13 2025 Edition, Table 7.3.1.3)

Tags: NFPA 13

Question: When installing a sprinkler system with over 1,000 sprinkler how many sprinklers shall be installed in the spare sprinkler cabinet?

Answer: 24 (NFPA 13 2025 Edition, Table 7.3.1.3)

Tags: NFPA 13

Question: When installing a sprinkler system, a list of spare sprinklers left on site needs to be left on site in the spare head cabinet. Which item does not have to be on this list?

Answer: location (NFPA 13 2025 Edition, Section 5.4.1.5)

Tags: NFPA 13

Question: FDC piping of 4" or larger requires that the FDC connection have two inlets on it. If the piping of the FDC is ____ or smaller one outlet is satisfactory?

Answer: 3" (NFPA 13 2025 Edition, Section 16.12.3)

Tags: NFPA 13

Question: Per NFPA 13 what is the maximum time water can flow without tripping the flow switch?

Answer: 5 minutes (NFPA 13 2025 Edition, Section 17.17)

Tags: NFPA 13

Question: Per NFPA 72 what is the maximum time water can flow before the flow switch goes into alarm?

Answer: 90 seconds (NFPA 72 2024 Edition, Section 17.13.2)

Tags: General

Question: If you have to install 3 dry systems in a building, and all 3 systems share an air compressor, how many air maintenance devices need to be installed?

Answer: 3 (NFPA 13 2025 Edition, Section 8.3.3.2)

Tags: NFPA 13

Question: What is the maximum number of sprinklers that can be installed on any one pre action system?

Answer: 1000 (NFPA 13 2025 Edition, Section 8.3.2.9)

Tags: NFPA 13

Question: What is the maximum size building that one system can cover in light or ordinary hazard buildings?

Answer: 52,000 sq ft (NFPA 13 2025 Edition, Section 5.2)

Tags: NFPA 13

Question: What type of sprinklers are required in skylights?

Answer: Intermediate (NFPA 13 2025 Edition, Table 7.3.2.1)

Tags: NFPA 13

Question: A sprinkler with blue liquid in the bulb would discharge at what temperature?

Answer: 225-300°F (NFPA 13 2025 Edition, Table 7.2.4.1)

Tags: NFPA 13

Question: A glass bulb sprinkler with red liquid in the bulb would be what temperature?

Answer: 135-170°F (NFPA 13 2025 Edition, Table 7.2.4.1)

Tags: NFPA 13

Question: When measuring the distance from a metal pan deck to the sprinkler, measure from the low part of the pan unless the pan is _____ or larger then you would measure to the upper part of the pan.

Answer: 3 inches (NFPA 13 2025 Edition, Section 10.2.6.1.3)

Tags: NFPA 13

Question: With Standard spray sprinklers obstructions to discharge over _____ wide require sprinklers to be installed under the obstruction

Answer: 4 ft (NFPA 13 2025 Edition, Section 13.2.8.2)

Tags: NFPA 13

Question: If an obstruction is over 4 ft wide requiring sprinklers be installed under the obstruction, it is acceptable to add sprinklers next to the obstruction as long as the sprinkler is within _____ from the outside edge of the obstruction?

Answer: 3 in (NFPA 13 2025 Edition, Section 13.2.8.3)

Tags: NFPA 13

Question: Skylight under _____ sq ft are not required to have sprinklers installed?

Answer: 32 (NFPA 13 2025 Edition, Section 9.3.16)

Tags: NFPA 13

Question: Skylights under _____ ft from another unprotected skylight require sprinklers?

Answer: 10 (NFPA 13 2025 Edition, Section 9.3.16)

Tags: NFPA 13

Question: What is the maximum area that a sprinkler can protect?

Answer: 400 sq ft (NFPA 13 2025 Edition, Table 11.2.3.1.2)

Tags: NFPA 13

Question: What is the maximum square footage that a standard spray sprinkler can be spaced in a light hazard occupancy?

Answer: 225 sq ft (NFPA 13 2025 Edition, Table 11.2.3.1.2)

Tags: NFPA 13

Question: What is the maximum square footage of a standard spray sprinkler in an ordinary hazard occupancy?

Answer: 130 (NFPA 13 2025 Edition, Table 11.2.3.1.2)

Tags: NFPA 13

Question: What is the minimum distance a sprinkler head can be to the wall?

Answer: 4 in (NFPA 13 2025 Edition, Section 10.2.5.2)

Tags: NFPA 13

Question: What is the minimum distance a standard sprinkler head can be to another sprinkler head?

Answer: 6 ft (NFPA 13 2025 Edition, Section 10.2.5.4)

Tags: NFPA 13

Question: What is the maximum distance a sprinkler head shall be down from the deck in an unobstructed construction building?

Answer: 1 to 12 in (NFPA 13 2025 Edition, Section 10.2.6.1)

Tags: NFPA 13

Question: Ceiling fans ____ inches in diameter are required to be considered an obstruction?

Answer: 60 (NFPA 13 2025 Edition, Section 13.2.9.1)

Tags: NFPA 13

Question: Storage on shelves in closets and other storage arrangements must be maintained ____ sq ft in size?

Answer: 18 in (NFPA 13 2025 Edition, Section 9.5.5.2)

Tags: NFPA 13

Question: Ceiling pockets do not require sprinklers unless they are over ____ cubic foot in size?

Answer: 1000 (NFPA 13 2025 Edition, Section 9.3.17)

Tags: NFPA 13

Question: Standard horizontal sidewall sprinklers shall be located 4 inches to ____ inches below the deck?

Answer: 6 (NFPA 13 2025 Edition, Section 10.3.4.1)

Tags: NFPA 13

Question: In light hazard occupancies - In the same room with horizontal sidewall sprinklers across from each other, how long can the room be before sprinklers need to be added?

Answer: 24 ft (NFPA 13 2025 Edition, Section 10.3.3)

Tags: NFPA 13

Question: Each fire sprinkler system is required to have an indicating control valve, which one of the valves listed below is not an indicating valve?

Answer: Ball valve (NFPA 13 2025 Edition, Section 16.9.3)

Tags: NFPA 13

Question: True or False. Backflow preventers can replace check valves on the sprinkler system if required?

Answer: True (NFPA 13 2025 Edition, Section 16.15.2)

Tags: NFPA 13

Question: If system pressure can exceed 175 psi, a pressure reducing valve is required with a pressure relief valve not smaller than ____ attached to the system side of the pressure reducing valve?

Answer: 1/2 in (NFPA 13 2025 Edition, Section 16.11)

Tags: NFPA 13

Question: Post indicating valves must have the top of the valve located ____ above the final grade?

Answer: 32-40 inches (NFPA 24 2022 Edition, Section 6.3.3)

Tags: General

Question: Installation of ____ or fewer sprinklers, installed in a rack, being supplied by the overhead sprinkler system do not require a separate control valve to be installed?

Answer: 20 (NFPA 13 2025 Edition, Section 25.9.4)

Tags: NFPA 13

Question: What is the minimum size drain you are allowed for a system size of 2" or less?

Answer: 3/4" (NFPA 13 2025 Edition, Section 16.10.3)

Tags: NFPA 13

Question: What is the minimum size drain you're allowed on a 2 1/2" to 3" sprinkler system?

Answer: 1 1/4" (NFPA 13 2025 Edition, Section 16.10.3)

Tags: NFPA 13

Question: What is the minimum size drain you're allowed on a 4 inch or larger sprinkler system?

Answer: 2" (NFPA 13 2025 Edition, Section 16.10.3)

Tags: NFPA 13

Question: Trapped section of pipe on a wet system exceeds 50 gallons, what is the minimum size auxiliary drain allowed?

Answer: 1" (NFPA 13 2025 Edition, Section 16.10.5)

Tags: NFPA 13

Question: What is the minimum size writing allowed on a FDC informational sign?

Answer: 1" (MN Fire Code 2020, Section 912.5)

Tags: General

Question: All sprinkler systems are required to have a system pressure gauge with a minimum connection of what?

Answer: 1/4" (NFPA 13 2025 Edition, Section 16.13)

Tags: NFPA 13

Question: What is the maximum length of a flex drop before it has to be supported?

Answer: 6 ft (NFPA 13 2025 Edition, Section 18.4.8.3)

Tags: NFPA 13

Question: What is the maximum size pipe you can support with drilling holes in the metal pan ceiling?

Answer: 1 in (NFPA 13 2025 Edition, Section 18.5.7.4)

Tags: NFPA 13

Question: What is the maximum size pipe you can hang with toggle bolts in sheetrock?

Answer: 1 1/2" (NFPA 13 2025 Edition, Section 18.5.7.3)

Tags: NFPA 13

Question: What is the maximum length of a branch line starter piece without a hanger?

Answer: 6 ft (NFPA 13 2025 Edition, Section 18.5.5.6)

Tags: NFPA 13

Question: What is the maximum distance allowed from the end of a 1" branch line to the last hanger?

Answer: 36 in (NFPA 13 2025 Edition, Section 18.5.5.2)

Tags: NFPA 13

Question: What is the maximum distance allowed from the last hanger to the end of a 1 1/4 inch line?

Answer: 48 in (NFPA 13 2025 Edition, Section 18.5.5.2)

Tags: NFPA 13

Question: What is the maximum distance allowed from the end of a 1 1/2 inch branch line or larger and the last hanger?

Answer: 60 in (NFPA 13 2025 Edition, Section 18.5.5.2)

Tags: NFPA 13

Question: What is the maximum distance allowed from the end of a 1" copper line and the last hanger?

Answer: 18 in (NFPA 13 2025 Edition, Section 18.5.5.2)

Tags: NFPA 13

Question: What is the maximum distance allowed from the end of a 1 1/4 inch copper line and the last hanger?

Answer: 24 in (NFPA 13 2025 Edition, Section 18.5.5.2)

Tags: NFPA 13

Question: What is the maximum distance allowed from the end of a 1 1/2 inch or larger copper line and the last hanger?

Answer: 30 in (NFPA 13 2025 Edition, Section 18.5.5.2)

Tags: NFPA 13

Question: What is the maximum unsupported length of any arm over if the system pressure is under 100 psi?

Answer: 24 in (NFPA 13 2025 Edition, Section 18.5.5.9)

Tags: NFPA 13

Question: What is the maximum unsupported length of arm over if the system pressure exceeds 100 psi?

Answer: 12 in (NFPA 13 2025 Edition, Section 18.5.5.9)

Tags: NFPA 13

Question: What is the maximum length between hangers for 1 inch sch 40 pipe?

Answer: 12 ft (NFPA 13 2025 Edition, Table 18.4.1(a))

Tags: NFPA 13

Question: What the maximum spacing between hanger on 1 1/2 inch thin wall pipe?

Answer: 12 ft (NFPA 13 2025 Edition, Table 18.4.1(a))

Tags: NFPA 13

Question: What the maximum spacing of hangers on 1 1/2 inch or larger sch 40 pipe?

Answer: 15 ft (NFPA 13 2025 Edition, Table 18.4.1(a))

Tags: NFPA 13

Question: What the maximum spacing of hangers on 1 1/2 inch or larger thinwall pipe?

Answer: 15 ft (NFPA 13 2025 Edition, Table 18.4.1(a))

Tags: NFPA 13

Question: Standpipes shall be supported at the following points?

Answer: Lowest level and every other floor (NFPA 14 2022 Edition, Section 9.1.1)

Tags: NFPA 14

Question: What size pipe is required for a pipe stand that will support 10" pipe?

Answer: 2" (NFPA 13 2025 Edition, Table 18.4.10.1)

Tags: NFPA 13

Question: FDC connections shall be located between ____ and ____ inches above finished ground?

Answer: 18 and 48 (MN Fire Code 2020, Section 912.2.2)

Tags: General

Question: At what pitch is a ceiling no longer considered sloped?

Answer: $\leq 2/12$ (NFPA 13 2025 Edition, Section 3.3.22)

Tags: NFPA 13

Question: After a dry system has been in service for 3 years, and for every 3 years after, it's required to have an air test. This can be accomplished in two ways. Either 40 psi for 2 hours and it is allowed to lose 3 psi, or at system working pressure for 4 hours and system cannot go into low air condition?

Answer: 40 psi 24 hrs ≤ 3 psi loss (NFPA 25 2023 Edition, Section 13.5.1.3)

Tags: NFPA 25

Question: When a pump is receiving suction supply from a tank, what is the name of the plate at the bottom of the tank that stabilizes the stream?

Answer: anti-vortex plate (NFPA 22 2023 Edition, Section 8.4)

Tags: General

Question: The anti-vortex plate must be installed $\frac{1}{2}$ the diameter of the pipe or ____ inches off the bottom, whichever is greater?

Answer: 6 (NFPA 22 2023 Edition, Section 8.4)

Tags: General

Question: Sprinklers subject to mechanical injury shall be protected with _____ guards?

Answer: Listed (NFPA 13 2025 Edition, Section 7.4.2)

Tags: NFPA 13

Question: The minimum amount of time that a control valve can be closed is?

Answer: 5 sec (NFPA 13 2025 Edition, Section 16.9.5.2)

Tags: NFPA 13

Question: What is the maximum size system you are allowed with a single FDC outlet?

Answer: 3" (NFPA 13 2025 Edition, Section 16.12.3)

Tags: NFPA 13

Question: If an airline feeding a dry or pre-action system must run through the freezer, you must leave a removable piece of 1" pipe a minimum of ___ feet long for internal inspection.

Answer: 6 (NFPA 13 2025 Edition, Section 8.2.3.3)

Tags: NFPA 13

Question: The minimum size pipe allowed in a dwelling unit for a sprinkler system is ___ for steel pipe and 3/4" for plastic pipe.

Answer: 1" steel, 3/4" plastic (NFPA 13D 2022 Edition, Section 6.4)

Tags: NFPA 13

Question: What is the maximum distance a standpipe can be from a hydrant?

Answer: 100 ft (NFPA 14 2022 Edition, Section 6.4.5.4)

Tags: NFPA 14

Question: A small room is a compartment having unobstructed construction and a floor area not exceeding _____ sq. ft.

Answer: 800 (NFPA 13 2025 Edition, Section 3.3.199)

Tags: NFPA 13

Question: The maximum protection area of a standard spray sprinkler in an ordinary hazard occupancy is _____ sq. ft.

Answer: 130 (NFPA 13 2025 Edition, Table 11.2.3.1.2)

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