

STORAGE

Control Mode Standard Response Sprinkler Upright



DESCRIPTION:

The Reliable Model AG-168, 16.8 K-factor sprinklers were tested in full scale fire tests to qualify them for the protection of rack and high piled storage. Provides higher flows at much lower pressures for all occupancies, especially in high density applications, such as the protection of high-piled storage.

TECHNICAL DATA:

Nominal "K" Factor	16,8 (241,9)
Thread Size	3/4" NPT (R3/4)
Temperatures	165°F (74°C) 212°F (100°C) 286°F (141°C)
Applications	Wet, dry and pre-action sprinkler systems
Hazards	Ordinary, Extra hazard and Storage Occupancies per NFPA 13 For Sprinkler Spacing, Positioning and Density/Area flow calculations (refer to NFPA 13)
Minimum / Maximum Working Pressure	7 psi (0,5 bar) / 175 psi (12,1 bar)
Factory tested Pressure	500 psi (34,5 bar)
Finish	Lead Plated Wax-coated Wax-coated over lead plated

OPERATION:

The sprinkler model AG-168 uses a link which make the rest of the items to be in tension which prevent from the water output, maintaining the assembly in tension. When the temperature rate is approached, the fusible melts and the rest of the items separate, allowing the sprinkler activation and the water flow to exit.

INSTALLATION:

Model AG-168 sprinklers are designed for installation as specified in NFPA 13. They must also be installed with the Model J1 Sprinkler Wrench specifically designed. The sprinkler joint can be obtained with a torque of 14-20 ft-lbs (19-27,1 N-m). Do not tighten sprinklers over maximum recommended torque. It may cause leakage or impairment of these sprinklers.

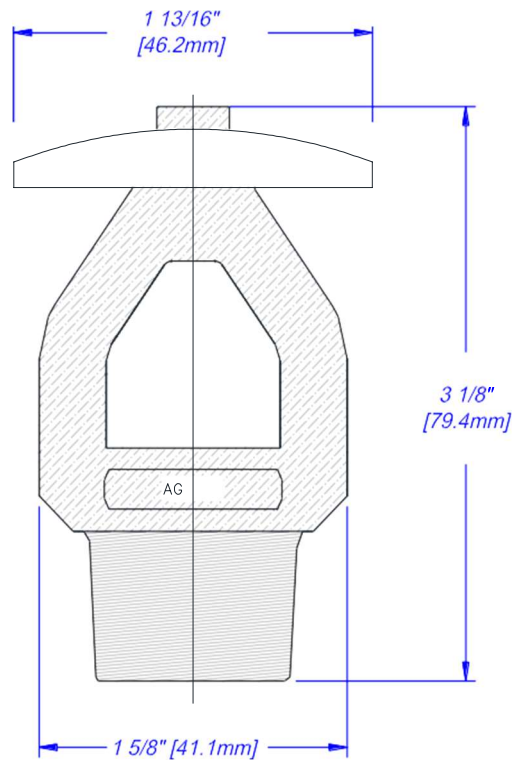
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TEMPERATURE RATING:

Classification	Nominal Temperature		Maximum Ambient Temperature		Frame Color
	°F	°C	°F	°C	
Ordinary	165	74	100	38	Uncolored
Intermediate	212	100	150	66	White
High	286	141	225	107	Blue

DIMENSIONS:



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