

## Automatic Sprinklers For High Temperature Locations

### Be sure your property is protected against unnecessary water damage

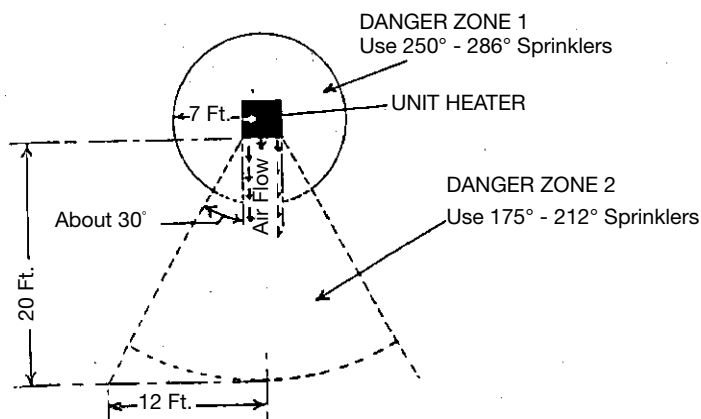
Under average conditions, water flow of approximately 1300-1500 gallons per hour may be expected to be discharged from an automatic sprinkler head. Thus, it is clear that an accidental discharge due to premature operation could do a great deal of water damage in a short period of time.

### Be sure your property is protected against unnecessary water damage.

One of the major causes of premature automatic sprinkler head discharge is the installation of improperly temperature-rated heads too near sources of excess heat. All sprinkler heads are not activated in the same temperature range.

### Sprinkler heads of proper temperature rating must be used.

The illustration shows the proper temperature rating of automatic sprinklers near unit heaters.



Temperature Rating of Automatic Sprinklers Near Unit Heater

### Additional Factors

- Sprinkler heads within 12 inches to one side, or within 30 inches above, an uncovered steam line, heating coil or radiator, should be rated for discharge at temperatures of 175° or 212°F.
- Sprinkler heads under glass skylights exposed to direct rays of the sun should be temperature rated at 175° or 212°F.
- Sprinkler heads in unventilated concealed spaces, under uninsulated wood or metal roofs, or in unventilated attics, should be temperature rated 175° or 212°F.
- Sprinkler heads in show windows exposed to sunlight, or with spotlights near the ceiling, should be temperature rated at 175° or 212°F.

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## Sprinkler Head Temperature

Rating	Operating Temperature °F	Color	Maximum Ceiling Temperature °F
Ordinary	135° – 150° – 160° – 165°	Uncolored	100°F
Intermediate	175° – 212°	White	159°F
High	250° – 280° – 286°	Blue	225°F
Extra High	325° – 340° – 360°	Red	300°F
Very Extra High	400° – 415°	Green	425°F
	459°	Orange	425°F
	500°	Orange	475°F

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