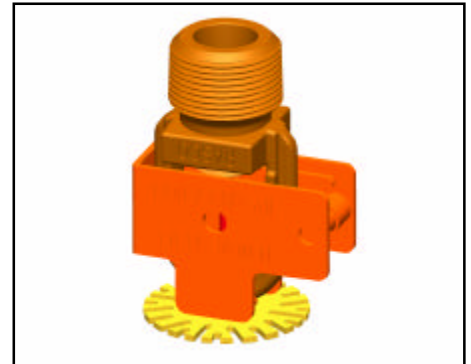


### Glass Bulb Sprinkler Protection

Effective March 26, 2004, Underwriters Laboratories has instituted new listing requirements that will effectively require protective caps or straps for all glass bulb sprinklers. This means that the majority of sprinklers will be shipped with orange colored protectors in the future. Manufacturer's literature states that the caps or straps should be removed from the sprinklers only when the system is "placed in service."



2-1/2" & 3mm bulbs now and 5mm & larger bulbs in September 2004.

The following TIA proposal was developed by the UL/FM/NFSA Standards Review Committee to provide installation requirements and to define "placed in service".

### TIA Proposal – NFPA 13

**8.3.1.5** Sprinklers shall be installed in piping only when the piping is placed in its final position and secured by hangers in accordance with this standard.

**8.3.1.6** Sprinklers that are dropped during the installation process or that are installed on piping other than in accordance with 8.3.1.5 shall not be placed, including sprinklers with protective caps or straps.

**8.3.1.7** Protective caps and straps shall be removed only using means in accordance with the manufacturer's installation instructions.

**A.8.3.1.7** Protective caps and straps intended to provide temporary protection for sprinklers during shipping and installation are identified by their orange color.

**8.3.1.8** For upright sprinklers and for sprinklers installed more than 10ft. (3m) above the floor, protective caps and straps shall be permitted to be removed from sprinklers immediately following their installation in the piping.

**A.8.3.1.8** Where installation of mechanical services or other construction work is expected to take place following the installation of sprinklers, consideration should be given to leaving protective caps and straps in place until such time as water supply is made available to the sprinklers for purposes of fire protection.

**8.3.1.9** Protective caps and straps other than those removed in accordance with 8.3.1.8 shall be removed from sprinklers only when water supply is made available to the sprinklers for the purposes of fire protection.

- Solder element sprinklers are not required to be protected with protective caps or straps.
- Reliable has been producing solder element sprinklers for over 80 years.
- Reliable offers an extensive line of solder element sprinklers.

