

Residential Fire Sprinkler s - Technical Requirements Concerns  
of NFPA 13D Systems  
Prepared by the National Association of Home Builders Research Center



## Specific Technical Issues

### Chapter 4 - General

Installer must provide the owner/occupant with instructions on inspecting, testing, maintaining the RFS system

Sprinklers painted outside the factory shall be replaced

RFS using antifreeze must be emptied and refilled each year

Documentation shall be available upon request to ensure adequate water supply, listed devices, and adequate sprinkler coverage have been addressed

### Chapter 5 System Components

CPVC and PB accepted in the standard if listed for sprinkler system use

Other non-metallic pipe must be capable of 130 psi at 120 F (also for non-metallic fittings)

### Chapter 6 Water Supply

If stored water only, then stored volume equals demand [sprinkler] water flow rate times 10 minutes except if 1 story, less than 2000 ft<sup>2</sup> - then 2 sprinkler head flow rate times 7 minutes

