



USFM 10-16

Notice

05 October 2016

FIRE PROTECTION INDUSTRY

To All Fire Protection Companies, and Plumbers to include their technicians, installers and agents:

It is the intention of the Office of the State Fire Marshal to support all aspects of fire safety, public safety information and education dispersal and the support of associated industries whose mission it is to serve and protect the public through fire prevention or fire protection services and by adherence to the Utah State Fire Code, with all associated codes, rules and references.

Kitchen fire extinguishing or fire suppression systems that require a connected water supply may refer to:

"The water required for listed automatic fire-extinguishing system shall be permitted to be supplied from the domestic water-supply where the minimum water pressure and flow are provided in accordance with the terms of the listing. The water supply shall be controlled by a supervised water supply control valve."
NFPA 96.10.2.9

In accordance with NFPA 13, no fire extinguishing or fire suppression system, or non-component to the sprinkler system shall connect to a new or existing fire sprinkler system water supply.

"Sprinkler system components shall not be used to support nonsprinkler system components unless expressly permitted by this standard." NFPA 13.4.6

To clarify,

"Non-system components can adversely affect the operation and longevity of the fire sprinkler system. Objects connected to the sprinkler system can displace sprinkler system piping, causing obstruction to the spray pattern of sprinklers, delay the activation of the sprinkler, or cause chemical compatibility problems that can cause the failure of sprinkler system components." NFPA 13.A,4,6

NOTICE: No fire extinguishing or fire suppression system, water wash system, fine water-spray system component, piping, pipe fittings, flanges, gaskets, bolting, or valves shall connect to, be cut into or violate in any way new or existing supply lines, branch line, feeder line or piping of any type supporting a fire sprinkler system, unless expressly permitted by NFPA 13 standards.

Support information with NFPA Response. On Wed, Aug 31, 2016 at 3:51 PM, Bizal, Raymond <rbizal@nfpa.org> wrote:

Kelly,

I received a response from the staff liaison to NFPA 13. Here is what he said:

I have already answered this directly to the manufacturer. My response is below:

Thank you for contacting the National Fire Protection Association with your question on NFPA 13-2016 *Standard for the Installation of Sprinkler Systems*.

Section 4.6 specifically prohibits the connection of non-sprinkler system components to a sprinkler system. The concern is that non-system components can adversely affect system performance.

I hope that I have answered any and all of your questions, please feel free to contact me directly here with any additional questions or comments. Thank you again for contacting NFPA.

I also contacted the Chair of the correlating Committee and he basically concurred citing that any discharge from the connected system would activate the flow alarm for the sprinkler system and could complicate impairment issues. I see no reason why such a system could not be connected upstream of the sprinkler system control valve, but not the feed-main, cross-main or branch-line piping.

Thanks.

-Ray

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This Notice is submitted by the Office of the Utah State Fire Marshal  
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