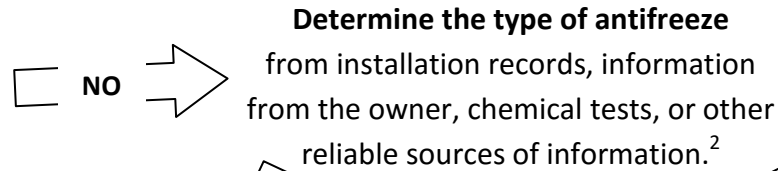
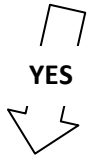
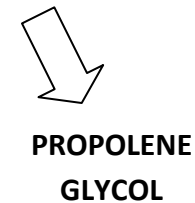


Was the system installed after September 30, 2012?



GLYCERIN
(only type permitted with listed CPVC pipe).



Tests⁴ indicate specific gravity:
(Test at most remote portion and at interface with wet pipe system. More points required for systems over 150 gallons. See section 5.3.4.4)

≤38% - No action is required
as long as concentration is what is necessary to prevent freezing.

>38% to 50%

Deterministic Risk Analysis⁵
is required.

>50% - NOT PERMITTED.
Replace with acceptable solution or use alternative methods.

≤30% - No action is required
as long as concentration is what is necessary to prevent freezing.

>30% to 40%

Deterministic Risk Analysis⁵
is required.³

>40% - NOT PERMITTED.
Replace with acceptable solution or use alternative methods.

! Remember, existing systems must be tested each year before the onset of freezing weather.

¹ These systems are assumed to meet the requirements of NFPA 13, 2013 edition.

² If type cannot be determined, or is found to be a type no longer permitted, the system shall be drained completely and replaced with an acceptable solution.

³ See NFPA 25-2014 section 5.3.4.2.2 for information on concentrations above 30% in certain ESFR systems.

⁴ Test for specific gravity using a hydrometer with a suitable scale or a refractometer having a scale calibrated for the antifreeze solution.

⁵ Must be prepared by a qualified person approved by the AHJ. See annex A.5.3.4.2.1(3) for more information.