



BUREAU OF FIRE PREVENTION BACKFLOW PREVENTION



The City of Fort Worth adopted a cross-connection ordinance requiring the installation of approved/listed backflow prevention devices on new fire protection systems.

Attached is a copy of the detailed requirements.

MINIMUM REQUIREMENTS

- Double check valve backflow prevention assembly
- For anti-freeze, foam, or any other material other than potable water, a reduced pressure backflow prevention device is required.
- Pressure loss through the backflow prevention device must be included in the hydraulic calculations and the 5 psi safety factor requirement.

APPROVED DEVICES

- The Water Department's list of devices attached
- The devices used on fire protection systems must also be listed/approved by a nationally recognized testing laboratory (UL, FM, etc.) for fire protection service.

BACKFLOW PREVENTION DEVICE LOCATION

- In a vault immediately inside the property line, prior to any connections to the line.
- Installation of backflow prevention devices within the building
 - Each case must be reviewed and approved by the Water Department
 - Generally acceptable only when the length of the underground between the city main and the device is less than 100-feet
- For an underground fire main plan submittal with more than 100-feet of pipe between the city main and the backflow preventer located within the building, written documentation that this arrangement has been reviewed and approved by the Water Department is required to be included in the submittal package.

BACKFLOW PREVENTION PROGRAM CONTACT

- Richard Munoz, Water Department, 817/925-2231.