ASSE Standard #1015-2011
ASSE Board Approved: August 2011
ANSI Approved: August 2011

ASSE International

Performance Requirements for

Double Check Backflow Prevention Assemblies and Double Check Fire Protection Backflow Prevention Assemblies

An American National Standard

General Information

Instructions for receiving authorization to display the ASSE Seal are available from ASSE's International Office. Organizations wishing to adopt or list any ASSE Standard should print the ASSE Standard number on the cover page first and in equal or larger type to that of the adopting or listing organization.

ASSE International
Mokena, Illinois

Foreword

This foreword shall not be considered a part of the standard. However, it is offered to provide background information.

ASSE Product Standards are developed in the interest of consumer safety.

The recognition of probable sources or causes of contamination of a potable water supply system and the application of essential devices, or means, to prevent the entrance of contaminants to the potable water system, causing it to become unfit for human consumption, is vital to the maintenance of its continued potability.

There are two basic and practiced methods for the protection of potable water supplies:

a) Protection by Containment
   The isolation, by suitable devices or means, of the system within the premises supplied, wherein may lie the source or sources of contamination, from the vendor's or public water supply system.
b) Protection of Each Individual Outlet
   The protection of each individual outlet by suitable devices or means, which within the premises served may be a source of contamination.

Protection by containment protects the vendor's or public water supply only. It does not provide protection within the premises supplied.

In modern plumbing systems, there are many situations where backflow could occur due to backpressure conditions. In some, the pollutants that would get into the water supply would be undesirable, yet not be a hazard to the health of persons consuming the water.

This standard covers two (2) types of devices, which are identified as Double Check Backflow Prevention Assemblies (DC) and Double Check Fire Protection Backflow Prevention Assemblies (DCF). The DC and the DCF are identical in their backflow protection. The DCF, which was added to this standard in 1999, has specific performance requirements relating to their use on fire protection systems.

The devices described are suitable for either protection by containment or protection of individual outlets where pollutants, which could be caused to enter the potable water, are low hazard.

These devices are suitable for either hot or cold water service under continuous or intermittent pressure conditions.