ASSE Standard #1047-2011

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American Society of Sanitary Engineering

Performance Requirements for **Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies**

An American National Standard

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Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies

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Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies ASSE 1047-2011

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.

This standard focuses on those devices, known as Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies (RPDF), which will fulfill this protective need. This standard was retitled during the 1999 revision to add "fire protection" to better describe the device's primary use.

Typically installed but not limited to fire protection systems, the devices described are primarily designed for two functions. The protection of the public water supply from contaminants found in fire sprinkler systems is a primary function for a backflow preventer. These assemblies are also designed to detect low rates of flow up to 2.00 GPM (0.13 L/s) within the sprinkler system caused by leakage or unauthorized use. This standard also allows provisions for alarm signaling devices to be included in the assembly.

Although many of the material specifications are detailed within Section 4.1 of this standard, it is the responsibility of the manufacturer and installer to comply with the relevant jurisdictional requirements.

The working group, which developed this standard revision, was set up within the framework of the Product Standards Committee of the American Society of Sanitary Engineering.

Recognition is made of the time volunteered by members of this working group and of the support of the manufacturers who participated in meetings for this standard.

This standard does not imply ASSE's endorsement of a product which conforms to these requirements.

Compliance with this standard does not imply acceptance by any code body.

It is recommended that these devices be installed consistent with local codes by qualified and trained professionals.

Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies