Visit RPZFlooding.com
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RPZ's – Inside or Outside?

When the status quo creates unnecessary design risk

Five things you need to know

1

An RPZ inside the building = flood damage liability

The backflow RPZ is designed to dump water if either of the check valves fail. Check valves fail due to debris in the water line or mechanical failure. The RPZ ≠ Double Check.

2

Most design engineers are not aware of the flood risk.

Safe-T-Cover made lunch & learn presentations to over **1,500** engineers over a two year period. Most design engineers were unaware the **RPZ** is designed to dump water.

3

More and more water jurisdictions are requiring the RPZ instead of the Double Check.

The **RPZ** provides greater assurance the public drinking water system will be protected in the event one of the two check valves fail.

4

The drain below the RPZ may not be adequate.

A **3**" **RPZ** will dump **275** gallons per minute at **60** pounds of water pressure in a catastrophic discharge.
That's **100** gallons of water per minute more than the **4**" drain can handle.

5

As a design engineer, what should you do?

Move the backflow design responsibility to the civil engineer. The **RPZ** will be installed outside the building in an above ground ASSE **1060** enclosure, with heat if necessary

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ENCLOSURES DESIGNED FOR THE WORLD'S WATER SYSTEMS™