

# Water Damage Prevention Trifecta

Industry data shows that 78% of water damage claims are preventable. This Water Damage Prevention Trifecta provides a powerful line of defense using environmental sensors, water flow meters, and shutoff valves. When properly designed and deployed, these devices provide a comprehensive solution to protect against the visible presence of water and hidden threats including falling temperatures and frozen or leaking pipes and fixtures.



## ENVIRONMENTAL SENSORS

### Purpose:

- Collect temperature and humidity data, the presence of water, and other conditions.

### Use Cases:

- Water release - burst pipe or leak.
- Water intrusion - weather-related water ingress.
- Freezing pipe conditions.

### Installation:

- Non-invasive and easy to deploy.

### Best Deployed In:

- Mechanical rooms.
- Stairwells.
- Near risers and piping.
- By fine millwork or materials.



## WATER FLOW METERS

### Purpose:

- Measure the flow rate of water through the building's plumbing.

### Use Cases:

- Leaks coming from water through main supply lines which could signal a pipe burst, an open spigot/faucet, or a running hose.

### Installation:

- Non-invasive option clamps on to existing meter or pipe, or can be installed inline with piping.

### Best Deployed On:

- Domestic water supply lines.
- Fire/emergency supply lines.
- Submetered risers or zones.



## SHUTOFF VALVES

### Purpose:

- Turn water off automatically with pre-determined flow rate, by schedule, when a leak is detected, or via a web app.

### Use Cases:

- Mitigating water damage from a pipe burst or moderate leak.
- Proactively shutting off water on a daily schedule.

### Installation:

- Inline installation requires planning with the site team coordination for compatibility.

### Best Deployed On:

- Main water supply lines.
- Post-construction: building risers for apartment and condos.



Insight Risk customers rely on our custom-designed IoT solutions and white glove services to enhance existing loss prevention strategies. Contact us today to learn how we can help you avoid costly water damage losses and delay on your next ground-up or renovation project.