



## Pressure & Temperature Monitoring for Fire Hydrants

**Change** the way you see water by unlocking valuable information about your water distribution system.

**C**apture critical data about your water system to better understand how certain events impact areas of the network. Real-time notifications allow you to take proactive measures enabling quicker response times and prioritization of resources when every minute counts.

**H**ow healthy your water system is starts by understanding opportunities for improvement. Prevent unnecessary stress on the infrastructure from high pressure and water hammer, which correlates to more frequent main breaks and increased water loss. High temperatures and inadequate pressure can affect water quality and insufficient pressure can also become an issue for firefighting.

**A**bility to make informed decisions with actual data and not just assumptions can help optimize system performance, validate models, and justify capital improvements. Full-time monitoring year-round provides you with accurate data, real-time alerts, and peace of mind.

**N**on-revenue water is recoverable and pressure management is the key to reducing water loss from theft, main breaks, and faulty controls which will save on energy and treatment costs.

**G**ain new insights into the water distribution system that were previously unknown. Not all main breaks surface, by detecting anomalies in pressure trends, unknown issues can be discovered sooner than later.

**E**nvision the future potential of your water system.



CLCW



[www.ihydrant.com](http://www.ihydrant.com)



# The iHydrant Solution

## View the latest events

The dashboard provides a map-based overview of your water system, depicting the past 24-hour status of iHydrants deployed. Additional asset layers can be imported to visualize water mains, service lines, valves and pressure zones to gain a better understanding of recent events that happened within the network.



Monitor pressure and temperature year-round on your distribution mains without interfering with the normal operation of dry barrel fire hydrants.

iHydrant's patented approach utilizes sensors installed in the lower valve assembly that is fully enclosed within the fire hydrant. This proprietary product design allows for full operation of the hydrant without altering the flow or modifying the nozzles, caps, operating nuts or bonnet.

## Insight

Knowing where, when, and how a pressure event affects the distribution system can provide information to reduce water loss from main breaks, extend the life of existing infrastructure, and help plan for future maintenance projects. Using the event localization feature, a real time heat map can illustrate where the source of an event originated and its impact across the system.



Each iHydrant is custom built based on location specific information such as bury depth, main valve size, cellular network coverage, and color.

iHydrant is available as a factory assembled complete fire hydrant or retrofit kit for Clow Medallion, Kennedy K81, and M&H 129.

## Flexibility

Manage resources efficiently by customizing pressure, temperature, and transient thresholds with the ability to subscribe to or "snooze" notifications. Maximize the value of the data by integrating to other platforms via an API.

