

# evoValve™



## The evoValve remote actuator valve is an effective tool for reducing time and labor costs associated with field disconnects and re-connects.

Residential and system leaks are a major conservation concern for water utilities in North America. By utilizing breakthrough technology provided by evolution AMI's Smart Leak system, water utilities are empowered to know when residual or burst leaks occur in real time, as compared to traditional AMR systems. A residual leak in the residences of a utility's end users (from a faucet head, garden hose or bathroom leak) results in wasted water and a real-time notification of the leak is essential to conserve water and reduce costs. evoValve provides real-time leak alarms and remote valve actuation. Data that was not gathered until a leak had been occurring for 30 days, is now known to the utility in real time. The evoValve remote actuator valve can effectively reduce time and labor costs by not having to deploy field personnel.

evolution AMI Smart Leak includes not only residual leak detection but burst leak detection as well. If a utility should detect a burst leak at a residence via a real time alarm, evolution AMI offers another advanced, smart metering option - remote valve actuation or evoValve. This feature allows the utility to shut off water to a residence from the head end software at the touch of a button, proactively preventing a possible flood situation at customer's home. The AWWA reports that there are some 250,000 to 300,000 main breaks per year. In a water distribution application, burst leak detection, with real time notification, can empower utilities to respond immediately, preventing ten to hundreds of thousands gallons of wasted water.

evoValve enables water utilities to have a complete water metering solution that reduces expenditures, increases profits, enhances customer service and drives conservation efforts in their service areas.

## Features

evolution's remote valve actuation feature enables utilities to simply and easily shut-off or decrease water pressure to a particular end-user from the head end.

- IP68 rated, fully submersible, fully potted and sealed
- Connects directly to a dedicated RTM, which manages its position
- Configure through fixed network via evoNet Manager software
- Multiple valve positioning options
- Designed for 10 year use with multiple turns per month

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