



Curapipe Leak Curing Solution for Urban Water Mains

The Concept

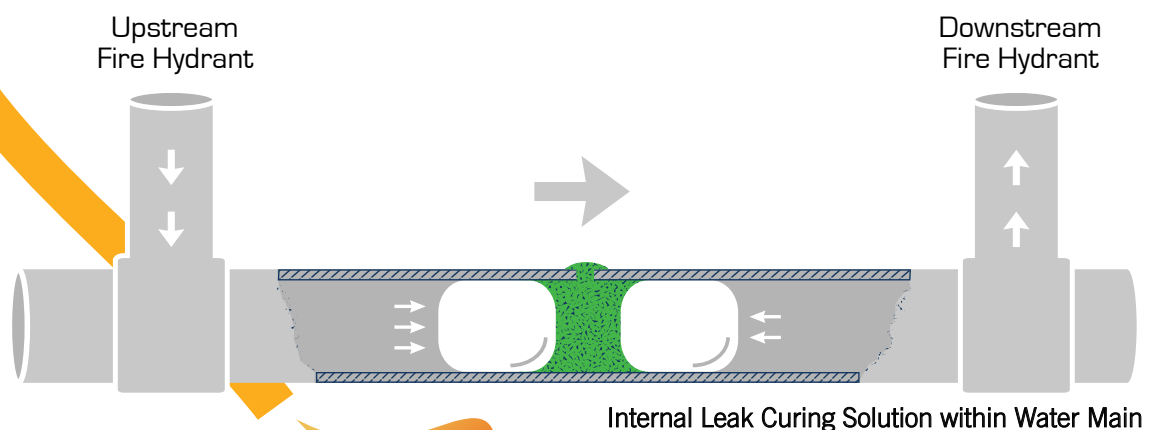
Curapipe Systems offers a breakthrough leak curing solution for leaks and cracks in urban water mains. Using conventional pigging systems currently applied for internal swabbing, the Curapipe solution uniquely repairs leaks and cracks that normally go unnoticed by existing leak detection technologies used in active leak control programs.

The Curapipe solution enables the adoption of a new, compelling and proactive approach to leak-driven renewal of urban mains at a fraction of the cost. The solution effectively eliminates background leakage, which is undetectable and runs continuously, as well as other types of unreported leakage. Unlike typical mains renewal techniques, Curapipe's intervention also repairs leaks at problematic service connections.

The Curapipe solution for urban water mains combines risk-reducing, industry-proven conventional pigging/swabbing delivery with an innovative curing substance consisting of proprietary composite sealant materials. The solution has undergone a rigorous R&D cycle with over 20 man-years invested involving five highly skilled PhDs in the fields of hydraulics, materials and well drilling.

The Process

- A pig train is typically launched through a fire hydrant upstream of suspected leaks.
- Operating under pressure, the special viscous curing substance – located within the train's internal "compartment" – penetrates and plugs the leaks.
- The pig train is removed from the pipeline downstream.



The Benefits

- Reduces infrastructure leak index (ILI) and natural rate of rise (NRR) of leakage
- Decreases background/backlog leaks and other unreported leaks
- Supports compliance with regulatory leakage reduction targets
- Extends asset lifetime and precludes the need to replace costly mains
- Increases water headroom (availability) and restores pressure to mains
- Cures a virtually unlimited number of all types of pinholes and circumferential cracks
- Repairs leaks at problematic service connections
- Addresses differing types of mains such as cast/ductile iron and PVC
- Mitigates loss of soil load capacity, risk of contamination and other environmental problems
- Enhances utility's reputation

Call for Partners

Curapipe Systems is looking to partner with reputable pipeline industry players who not only appreciate the tremendous opportunity offered by the Curapipe solution, but also add value to our innovative offering.

Potential partners include:

- water utilities
- pipeline repair and maintenance companies
- pipeline infrastructure companies
- pipeline engineering firms
- pigging/swabbing service companies and suppliers

Please contact us if you are interested in pursuing a mutually beneficial partnership with Curapipe.

About Curapipe

Curapipe Systems is a pioneering developer of breakthrough leak curing solutions for water, oil and gas pipelines. Uniquely repairing pinhole leaks and cracks that normally go undetected by existing monitoring procedures, Curapipe solutions prevent product loss and environmental damage, reduce maintenance and repair costs, and improve pipeline integrity and lifetime. The world's first viable pipeline repair solution launched remotely and applied internally, the flagship Curapipe offering combines industry-proven conventional pigging delivery with an innovative proprietary curing substance. An early-stage company led by an experienced management team, Curapipe is poised to make a large and lasting impact on the water, oil and gas pipeline repair industries.



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