

ENSURING SYSTEM RELIABILITY

Installing Isolation Valves without Interrupting Service

Kiely Family of Companies (KIELY) provides design-build services for utility and infrastructure projects throughout the Northeast. Since 1952, our engineering and construction teams have delivered safe, reliable solutions for complex pipeline systems while helping our customers maintain critical operations and infrastructure.

Our teams regularly support utilities and facility owners with valve installations, system modifications, and pipeline maintenance activities. When installing new isolation points on active pipelines, traditional valve installation methods often require extensive service interruptions, multiple excavations, and significant customer disruption.

Using AVT insertion valve technology, KIELY can install permanent isolation valves on active pipelines without shutting down the system, allowing customers to maintain service while improving the operability of their network.

AVT Insertion Valve Technology

AVT insertion valves provide an efficient method for installing permanent isolation valves on existing pipelines without removing pipe sections or shutting down the system.

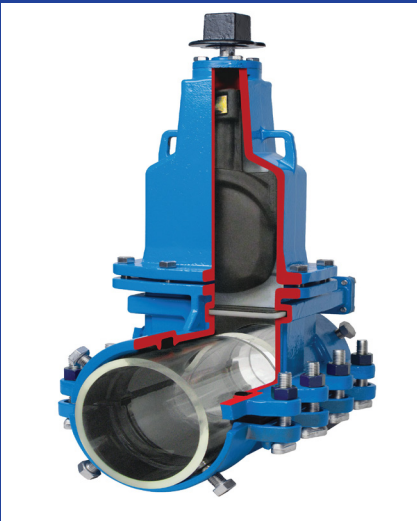
During installation, a specialized milling tool creates a precision slot in the pipe wall while the line remains in service. The valve gate is then inserted into the pipe, allowing operators to isolate sections of the pipeline for maintenance, emergency repairs, or system improvements.

This installation method significantly reduces service disruptions, excavation requirements, and project duration compared to traditional valve installation methods.



Key Advantages

- ▶ Installation on live pipelines without service interruption
- ▶ Reduced excavation requirements compared to traditional valve installations
- ▶ Rapid installation times that minimize traffic and site disruption
- ▶ Ability to create permanent isolation points within existing systems
- ▶ Reduced operational risk during emergency repairs or maintenance
- ▶ Compatible with a wide range of pipeline materials and diameters



Applications

AVT insertion valves are commonly used across water and industrial pipeline systems where service continuity is critical.

Technical Overview:

- ▶ Available for pipelines 2" through 24" diameter
- ▶ Designed to install on all common pipe materials
- ▶ Rated to 250 PSI operating pressure
- ▶ Certified to key industry standards including AWWA C509/C515 and NSF/ANSI 61
- ▶ Built with durable ductile iron construction and corrosion-resistant coatings

Installation Capabilities

KIELY provides complete insertion valve installation services, coordinating closely with utilities and facility operators to ensure safe and efficient execution.

Our services include:

- ▶ Pipeline exposure and excavation
- ▶ AVT insertion valve installation
- ▶ Pipeline isolation planning and coordination
- ▶ Support for emergency repairs and maintenance activities
- ▶ System restoration and return to service

Improving Pipeline Reliability & Maintenance Flexibility

Installing additional isolation valves improves the flexibility and reliability of pipeline networks. By strategically adding isolation points, operators can reduce the number of customers affected during maintenance activities, emergency repairs, or system upgrades.

KIELY's experienced crews perform insertion valve installations safely and efficiently, coordinating with utility operators and facility owners to minimize disruption and maintain system integrity throughout the installation process.

We invite you to explore the benefits of a business relationship with KIELY. As our customer, you can expect individual attention, reliable service, open lines of communication, cost-effective solutions, and strict adherence to your project schedule.

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