

nuflow
WE FIX PIPES



RED QUATTRO CORP
Certified Mechanical & Plumbing Contractor

TRENCHLESS PIPE REHABILITATION

FOR CONDOMINIUMS & HOMEOWNER ASSOCIATIONS

Sewer, Storm, Drain, Waste and Vent Rehabilitation
Trenchless Pipe Lining
Video Inspection and Pipe Cleaning



ABOUT US

NuFlow is a leader in pipe lining solutions. Our independently owned and operated NuFlow Certified Contractors are highly trained professionals, equipped to renew the worst piping situations imaginable.

We provide a rigorous training and education program, ensuring that our Contractors are knowledgeable in our techniques, processes, and equipment. We also offer continuing education courses and online tutorials to ensure our installation partners are always up to date on the latest techniques and technologies.

With 25 years in the industry, and more than 200 Certified Contractors around the globe, NuFlow is the pipe lining brand you can trust. We offer the tools and experience to support every market sector from residential to commercial to industrial.



THE CONDO HOA SPECIALISTS

We understand the unique circumstances that HOA boards and property management companies face:

- **Keeping residents and owners happy**
- **Maintaining your property**
- **Upholding health and safety standards**
- **Managing capital expenditures while sticking to your budget**

We get it, so we make getting started easy. After a thorough inspection, our team of pipe experts will present you with a custom cleaning and rehabilitation plan to extend the life of your pipes.



DON'T WAIT, INVESTIGATE!

Avoid costly pipeline failures with an advanced inspection.

Pipes are often the last thing we think about when it comes to our homes and communities. As many of the buildings that we live in age, plumbing problems become more and more likely. Our pipe repair specialists conduct thorough inspections of your pipe infrastructure to identify any potential problem areas.

Understanding the condition of your pipes will give you a solid foundation for planning for the future. Based on these findings, you can begin investing in your property's pipes with a proactive pipe inspection, maintenance, and a restoration plan.

Watch out for red flags to help you avoid costly pipeline failures down the road!

- Repeat sewer stoppages
- Slow drains in showers and sinks
- Unpleasant odors
- Gurgling drains
- Slow flushing toilets
- Persistent insect or rodent issues

When you see these signs, don't wait! The cost will be far greater when it's an emergency. Minimize property damage by calling for an inspection.



THE EXPERIENCE, TECHNIQUES, AND TECHNOLOGY TO GET THINGS WORKING LIKE NEW.

As a NuFlow Certified Contractor we have the experience and the technology to help you understand the condition of your sewer and drain infrastructure and provide solutions to get things working like new.



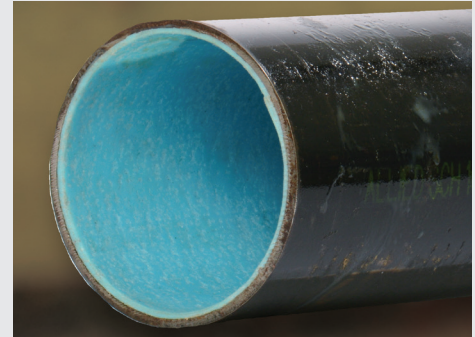
Inspection & Diagnostics

The first step towards resolving a pipe problem is clearly identifying the issue. Our team of pipe repair specialists use camera inspections to make sure we have a clear understanding of the situation and use the right solution for the job. After inspection, our team will create a customized plan to clean and restore your pipes.



Cleaning

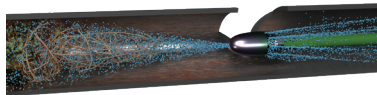
Different pipes and different problems require different cleaning methods, and we are experts in all of them. We utilize best-in-class mechanical and hydro jet cleaning technologies to restore pipe systems to like-new condition, for better flow and a longer life.



Pipe Lining

Pipe lining is a safe and proven way to rehabilitate leaking or corroded pipes. Typically, it is much faster, doesn't require tearing open many walls and can be more affordable than pipe replacement. Our cured-in-place process uses existing pipe access points, leaving you with a pipe-within-a-pipe, without the destruction, time, hassle, and cost of pipe replacement.

HOW PIPE LINING WORKS



1. Blocked or root-intruded pipes are cleaned with tools and processes appropriate to the situation.



2. A resin-saturated liner is pulled into place through existing access points, and an internal bladder is inflated, pressing the epoxy against the pipe wall.



3. The resin cures in a few short hours, then the bladder is deflated and removed, leaving behind a clean, seamless "pipe within a pipe."



LINING VS. PIPE REPLACEMENT

When faced with persistent plumbing issues, you have two options: replace the pipes or restore them with a safe and proven technology. Pipe restoration can get everything working like new - fast.

Less Invasive

You don't have to destroy your property to fix your pipes. Lining minimizes damage to walls, floors and surrounding areas because lining is handled through cleanouts or other existing access points. If a sewer pipe is under concrete or pavement, there's no need to jackhammer it up since our pipe lining technology slides right into the existing pipe.

More Affordable

Rehabilitating sewer pipes using lining can cost considerably less than what conventional pipe replacement does. There is little structural modification involved because there is no need to take out walls or tear up the street or lawn. Minimal exterior digging also reduces clean-up costs, as well as the labor costs needed to complete the job. In addition, when using lining, there are minimal reconstruction costs to be taken into consideration.

Faster

Typically, we are in and out in about half the time of pipe replacement. Without the need to dig or spend time repairing walls, floors and ceilings, the procedure of pipe lining is more time efficient than complex conventional pipe replacement. And because lining is developed to solve the problem for the long-term, it helps prevent problems such as corrosion and leaks from reoccurring and reduces future inconvenience for your community.

Long Lasting

It's faster, less invasive and less expensive, but it is projected to last just as long. We've been lining pipe for more than 25 years. Our lining technologies are projected to last more than 50 years, about the same as you'd expect with conventional pipe replacement, in many cases longer than pipe replacement. You can get all the benefits of lining and still get the same life out of your pipes.

FREQUENTLY ASKED QUESTIONS

Where can NuFlow be used?

The technology can be applied in any section of drain, sewer, rainwater or utility pipework in either a vertical, horizontal or a mix of both orientations. The liners can be installed within any type of host pipe, including metals, plastics, ceramics, and organics.

What size pipes can NuFlow be used for?

NuFlow's technology can be used on pipework with diameters between 1 1/2" to 12" or more depending on a variety of factors. Any length of pipe is manageable, but typically lengths of pipe that can be lined at once vary depending on diameter and intricacy of the piping system, for example, a length of approx. 150 ft is able to be rehabilitated at one time for a 4" diameter host pipe.

How does NuFlow manage bends, connections or branches?

NuFlow's technology is designed with a flexible and contouring bladder. Once installed, the bladder within the liner is inflated pushing the resin saturated felt around the contours of the host pipe, making a mechanical bond with its host. NuFlow also offers specific liners for a variety of fitting configurations including Wye and Tee connections.

How much access is needed to rehabilitate a pipe line?

The access points, cleanouts, and manholes we utilize are typically already present.

How soon can the section of pipe be returned to service after lining?

Once the bladder is removed, the cured liner is inspected as part of quality assurance. The section of pipe can be brought back into service within 10 minutes of successfully completing this process.

Is pipe lining safe?

NuFlow's products are made from a variety of safe and non-toxic materials, including epoxy resins and vinyl esters that do not contain harmful chemicals like VOCs or styrene. These materials offer high durability, strength and chemical resistance, making them effective and environmentally friendly. Our resins meets or exceeds the physical properties set forth by the American Standard of Testing and Materials (ASTM) as well as other national & international standards for CIPP rehabilitation.

Why choose a NuFlow contractor?

NuFlow Certified Contractors have been rigorously trained and certified by NuFlow Technologies. This includes a thorough initial contractor training, an online continuing education series, a multitude of unique industry specific educational intensives, as well as the ongoing support and quality assurance practices from the NuFlow team. Periodic re-certification is a requirement for all NuFlow Certified Contractors.

What international organizations have certified your products and processes?

NuFlow systems products meet the American Society for Testing and Materials (ASTM) 1216 and F1743 standards and certified under the International Association of Plumbing & the Mechanical Officials (IAPMO) and International Code Council (ICC).

The Nuflow Quality Management System Manufacturing location at 106 McMaster Ave Ajax Ontario Canada is certified under International Organization for Standardization (ISO) 9001.

SUCCESS STORIES

RE-THINKING PIPE REPLACEMENT

After 45 years in operation, the owners of a condo complex in Channel Islands Harbor needed to address their failing plumbing system. Built-in 1975, the cast iron pipes in the building were cracked and many of the units experienced destructive leaks and sewer odors. The HOA knew they needed to fix the problem, so they began the grueling process of replacing their pipes. They were well on their way to replacing the drain stacks in the building when they met a representative from a NuFlow Certified Contractor. He talked to them about pipelining, a non-destructive alternative to pipe replacement. After learning that pipelining lasted just as long, took less time to complete, and entailed virtually zero construction hassle, they knew they needed to re-think the project. The contractor did a thorough camera inspection before preparing a plan to clean and restore the pipes and submitting a final estimate. The board did their due diligence too, requesting that they test line a section of the pipe.

Not only was the pipelining effective, but the bid was half the price of pipe replacement, included a faster timeline, and meant far less hassle for the residents. Pipelining was the best way to get back to normal, so they wanted to act fast. The technicians reached the pipes through existing access points on the roof and parking garage. As the team noted, "The residents barely knew we were there." The contractor then cleaned the pipes of any clogs and debris and lined the pipes with NuDrain pipe lining technology to create a new, seamless "pipe within a pipe". These owners can rest easy now that the problems have been taken care of.



PIPE LINING - THE LONG TERM SOLUTION

The residents of a waterfront community built in the 1970s were burdened with consistent issues of the property's aging pipe infrastructure. For years there was a cycle of regular backups, followed by calling a plumber to snake the pipes. The aging system eventually reached the point that the plumber could no longer cable the drains and the residents could no longer ignore the problem. The HOA board was tasked with finding a permanent solution to fix the ongoing problems.

Replacing the pipes would require digging up the floors of all 52 buildings located in the community. The level of destruction to the condos, along with the time and hassle, was not a viable option to these homeowners. Pipe lining quickly became the clear alternative and the HOA board needed a partner they could trust. After conducting an in-depth interview with multiple pipe lining companies, the HOA determined that NuFlow was the right company for the job.

The NuFlow Certified technicians cleaned and lined the entire pipe infrastructure over the course of the year, one building each week. They took the time to plan the project and communicate with homeowners to ensure the community remained live-able throughout the process.

The property's newly lined pipes have been restored to their original flow and are working like new again. Residents can now breathe a sigh of relief knowing that the problem has been fixed for good.



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