

CONDOMINIUM WATER TREATMENT

PROJECT OVERVIEW

Property type: Condominium

Location: 65 Bremner Blvd, Toronto, ON

Pipe size: 4" DN100

Condition

The current conditions of the condominium featured hard water scale buildup in their water systems, decreased flow rates, low equipment efficiency, and excessive consumption caused by hard water for both cooling and heating purposes.

Solution

A D-SCALE System DN100 has been installed on the main domestic water line to pre-filter, treat, and prevent scale formation and buildup. Furthermore, an ultrasonic meter has been incorporated to ensure accurate measurements of water consumption.



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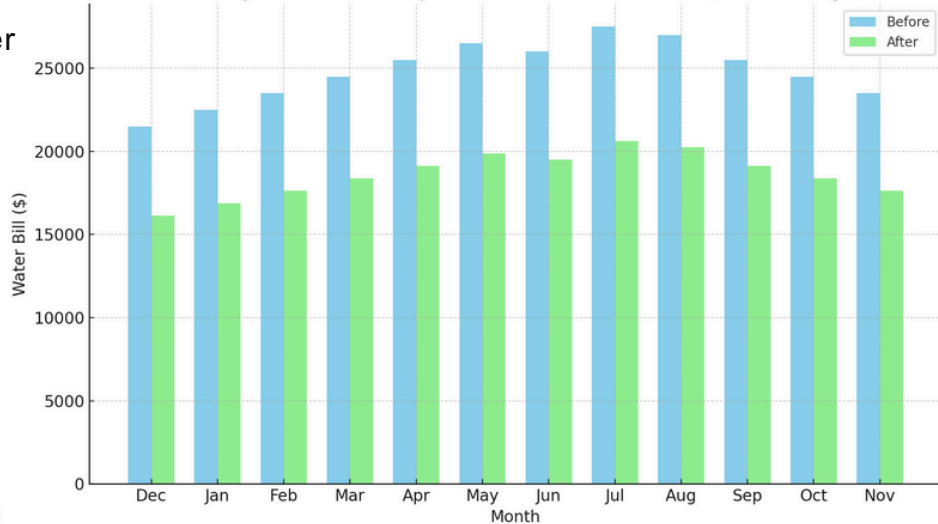


Measured Results

Achieved a 30% increase in water flow velocity, delivering optimal water quality with significantly reduced scale buildup. The system also enhanced energy efficiency and operational performance.

Water consumption was reduced by 25%, resulting in measurable cost savings and more sustainable operations.

Monthly Water Bill Comparison – 65 Bremner Blvd (25% Savings)



Conclusion

The D-SCALE system enhanced water flow and equipment efficiency while minimizing maintenance requirements. It led to lower operational costs, real-time monitoring of the domestic line with leak detection, 100-micron pre-filtration and treatment, decreased chemical usage for HVAC systems, and reduced wear and tear on the water system. This resulted in optimal water quality and operational savings.

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