

A Simple Technology for Saving Energy – Graywater Heat Recuperator

Combine different energy efficiency programs to obtain maximum assistance

To help you achieve significant energy savings, Gaz Métro's Energy Efficiency Plan (EEP) and the Energy Efficiency Fund (EEF) are two financial levers that you can use to your advantage.

- Gaz Métro's EEP has the objective of helping you increase the energy efficiency of your installations through significant financial assistance. Several programs are currently available. To learn more, contact your Corporate Accounts Advisor or visit www.gazmetro.com
- The EEF's mission is to encourage the wiser management of energy by Gaz Métro customers and the reduction of greenhouse gases. The EEF was set up by representatives from various environmental and socioeconomic sectors, along with Gaz Métro. The EEF offers several programs to encourage substantial energy savings. Among the various programs, the graywater heat recuperator is particularly interesting for your kind of business.

What is a graywater heat recuperator?

The heat from used water coming from, among other sources, the use of dishwashers, contains a significant amount of energy that goes directly down the drain.

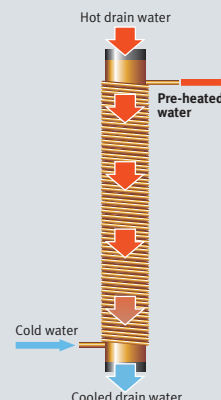
You can now recuperate a large part of that energy with a graywater heat recovery system and so realize substantial savings – the higher your hot water consumption, the greater the associated savings.

A heat recovery system is composed of copper piping coiled and molded around a copper section of drain. Fresh water from the water main circulates in the copper piping, absorbing the heat from the graywater flowing down the drain before it goes to the water heater. The cold water is thereby pre-heated by an average of 9 °C to 26 °C en route to the water heater.

The water heater will thus use less energy to heat fresh water to the temperature desire and will also provide hot water for longer, thus reducing the possibilities of running short.

The system has a useful life of 30-50 years and requires no maintenance.

How a graywater heat recuperator works



Attractive financial assistance

If you meet the eligibility criteria,* you can receive one of the following two forms of financial assistance so you can acquire a graywater heat recovery system:

1- A grant, corresponding to 60¢ per cubic metre of natural gas saved, related to the installation of graywater heat recuperators in existing buildings. In the case of new construction, the grant is 40¢ per cubic metre of natural gas saved. The maximum grant is \$100,000.

2- A 5-year loan with the interest** paid by the EEF to finance the cost of purchasing and installing graywater heat recuperators. In addition, the EEF grants 35¢ per cubic metre of natural gas saved in existing buildings, and 15¢ per cubic metre saved for new construction.*

With the financial assistance proposed, you can obtain a return on your investment in 1-3 years.

* Customers subject to rates 4 and 5 are not eligible.

** The payment of interest on a loan is at the discretion of the EEF and is only offered to projects with potential energy savings that exceed 10,000 m³/year. In particular, three conditions must be met to benefit from this option:

- The installation costs for the heat recuperators must be reasonable and the work must be done by an outside contractor.
- A recognized financial institution must agree to loan the participant the capital required.
- The interest rate must be deemed acceptable by the EEF. The rate's acceptability is related to the cost-effectiveness of the project presented in terms of energy savings, as well to the value of the contribution the grant would represent, based on the energy savings.

The loan may not be higher than five times the value of the estimated annual energy savings. The maximum loan on which interest may be financed by the EEF is \$600,000. The grant that accompanies the loan for new construction may not exceed \$20,000, and it may not exceed \$45,000 for existing buildings.

To learn more about graywater heat recuperator systems

For more information or for a quote, contact:

Enerconcept
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For more information about financial assistance or to learn about other Energy Efficiency Fund programs, contact one of our Sales Representatives.

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Gaz Métro has begun a major overhaul of its Internet site to better meet your needs. There's pertinent information about gas technologies, our programs, rates, etc. To learn more, click blue!

www.gazmetro.com