

# Free Water Economisers for Taps and Shower Heads



Save costs and protect the climate!

**The more efficient consumption of hot water as part of the nationwide climate protection programme "Hot Water Conservation Switzerland" ("Warmwasserersparen Schweiz") is reducing climate-damaging CO<sub>2</sub> emissions, while simultaneously creating savings in energy and water costs.**



**23,000**

**litres warm water  
can be saved\***



**150**

**francs can be saved**



**100**

**litres heating oil  
can be saved**

The programme is open to all property managements (with ten households or more), hotels and asylums that are interested in installing hot water economisers on the taps and showers in their buildings. Only buildings with fossil-fuelled hot water heating systems (oil, petroleum gas) are eligible for the programme in order to guarantee the highest possible CO<sub>2</sub> reduction (see eligibility requirements in the registration form to the right). In order to calculate the exact CO<sub>2</sub> savings, the programme will be monitored during ten years after installation. Only correctly installed sets are included in the CO<sub>2</sub> reduction calculations. The programme Hot Water Conservation Switzerland, which has been approved by the Swiss Federal Office for the Environment.

Sign up now (domestic) Sign up now (hotels)

By participating in the programme, participants (property owners, hotels,

## Project type:

Energy Efficiency, Water (Purification & Saving)

## Project location:

Switzerland

## Annual CO<sub>2</sub> reduction:

5,000 t

## Situation without project

Higher levels of hot water consumption

## Contribution to the SDGs



## Project standard

**FOEN/SFOE**

## Partner

**klik** Stiftung Klimaschutz und CO<sub>2</sub>-Kompensation KLIK

**mare**  
Communication and Care AG

**ecoLive**  
management environnemental

## Impressions

asylums etc.) receive the latest generation of economisers **free of cost**. In return, participants agree to install the economisers (generally done by maintenance staff) and to possibly participate in a two-year random inspection monitoring programme. The costs of the programme will be financed through the revenues from CO<sub>2</sub> certificates which will be sold to the foundation KliK. The end users benefit from reduced energy costs.

## General information

The sub-programme "Free Water Economisers for Taps and Shower Heads" is installing water economisers in taps and shower heads in properties with fossil-fuelled hot water heating systems. (The sub-programme "Distribution of efficient Shower Heads for Customer and Employee Campaign" is installing cheaper shower heads in private households with fossil-fuelled or electric hot water heating systems.)

Economisers can be easily installed on water taps or shower heads. The maximum water flow rate is significantly reduced without affecting the user's comfort level, reducing energy and water costs as well as CO<sub>2</sub> emissions. Despite these advantages, water economisers are still not installed in all buildings due to initial costs and fear of reduced comfort levels or technical problems. myclimate has recognised this problem and developed this climate protection programme. A larger-scale spread of water economisers can only be realised through a well-structured programme and additional financial support.

myclimate would be delighted to present the programme in detail to anyone who is interested and to work together to enable tailor-made participation. We look forward to get in contact with you!

## \*Possible savings

According to myclimate's calculations installing water economisers in a household of four people (one shower and two taps) saves on average per year (incl. 25% burner, storage and pipe loss):

- 150 swiss francs energy and water costs
- 1,000 kWh energy
- 100 liter heating oil
- 16,000 liter warm water (37°C) in the shower
- 7,000 liter hot water (56°C) in the sink
- 0,25 t CO<sub>2</sub>(equals driving 2000 km by car 130gCO<sub>2</sub>/km)
- This corresponds to a hot water saving of 25-45%.

Installing a Aquaclis-shower head and a water economiser in the tap in a hotel room saves on average per year (incl. 25% burner, storage and pipe loss):

- 70 swiss francs energy and water costs
- 450 kWh energy
- 45 liter heating oil
- 10'000 liter warm water (37°C, 8000l in the shower and 2000l in the sink)



Thanks to the economisers, the annual energy consumption for water heating is reduced by up to one half.



With the latest technologies, users can save hundreds of francs per year.



The maximum water flow rate is significantly reduced without affecting the user's comfort level.



It's that easy! Every water reduction kit includes an instruction manual.

- 0,1 t CO<sub>2</sub>
- This corresponds to a hot water saving of 35-55%.