ELLESS
WATER SAVING SYSTEM

ELLESS Water Saving System AB
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EXAMPLE OF SAVINGS (AVERAGE HOUSEHOLD, 2 PERSONS)

The result varies depending on the number of people living in each apartment and on the local energy and water prices.

Place of use (water temperature 40°C)	**Time in use** (minutes/day)	**Saving effect** (liters/minute)	**Total savings** (liters/day)
Sink	10	3.8	38
Washbasin	5	3.8	19
Sparlator® hand shower	10	4.5	45
Low-flow shower hose	10	1.5	15
Sum			**117**
Annual Savings			**0.117 x 365 = 43 m^3**

Energy costs

In the example, we have used a water temperature of 40 degrees Celsius. To increase the temperature of one m3 of water by one degree, approximately 1.16 kWh are needed. To heat 1 m3 of 8-degree water, (40 - 8) x 1.16 = 37 kWh are consumed. Heating and distribution losses are approximately 10 %. This means that actually 37 x 100/90 = 41 kWh are needed. The average price of energy in Sweden (taxes not included) are SEK 0,80 per kWh. Thus, the total heating costs per m3 of water from 8 to 40 degrees Celsius are 0.80 x 41 = SEK 32.80. The median price of fresh water is SEK 17.50 per m3.

Savings

1 m3 of hot water (40º C) costs 32.80 + 17.50 = SEK 50.30. The savings, as a result of installing Sparlator® water saving products, is according to the calculations above 39 x 50.30 = **SEK 1,962 per apartment and year!**

One-person households

It is definitely a good investment, even for one-person households, to install Sparlator® water saving products. **You can save up to SEK 950 every year.** Make an estimate of your own daily water consumption and use the table above to calculate your potential annual savings.