

DEMAND SIDE MANAGEMENT – FACT AND FICTION ABOUT YOUR GEYSER

- More electricity would be used should a geyser be switched on and off compared to leaving it on.

This statement is **FICTION**: When a geyser with a 150 litre capacity is switched off and stores the water in it at the thermostat set point, the water temperature will reduce by approximately 10 degrees Celsius over a 24 hour period, resulting in a 2,59 kWh electricity saving.

- Switching a geyser on and off will not damage the thermostat.

This is a **FACT**: The thermostat by nature of its operation switches on and off all the time. No damage will occur if the geyser is switched on and off by the user.

- Switching geysers on and off will result in cracks in the geyser.

This statement is **FICTION**: The thermal shocks during normal operation are much greater than the slow cooling if the geyser is switched off and allowed to cool.

- When a geyser blanket is used the geyser should still be switched off.

This is a **FACT**: The geyser blanket reduces the rate at which the water in the geyser cools when it is switched off, resulting in less electricity required to heat the water up again.

Efficient Geyser control:

- The geyser is one of the larger consumers of electricity in the residential household.
- Install a geyser blanket.
- Turn down the thermostat to 50-60 degrees Celsius.
- Insulate at least the first 1,5 m of hot water outlet and pipes.
- Use less hot water.
- Shower instead of taking a bath.
- Do not rinse dishes under a running hot water tap.

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See also: DSM 0001 Practical hints on saving electricity
DSM 0002 DSM Air conditioning facts

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