

Insulation of geyser with a geyser blanket

An extra layer of insulation can be added to the geyser helping prevent unwanted heat loss.

- Standing losses for a conventional 200 litre geyser must not exceed 3kWh in a 24hr period, this equates to almost 30% of the total energy stored in the water. (SABS 151)
- Losses can be reduced considerably by upgrading to a modern heavily insulated unit with a significantly lower standing loss figure.
- If the existing geyser/boiler is in good condition, it is cost prohibitive and impractical to replace it. In these instances an additional layer of insulation can be retrofitted to the tank.

Application: On all older geysers
Ease: 4/5
Availability: 5/5

Factors to consider:

It is also essential to heavily insulate the first 3 meters of hot and cold pipe work directly connected to the tank, if left un-insulated this acts as a heat sink constantly wicking energy out of the geyser.

3m pipe Insulation

Cost R50/meter installed (ideal for the handyman to reduce costs)

Payback: 1-2 years

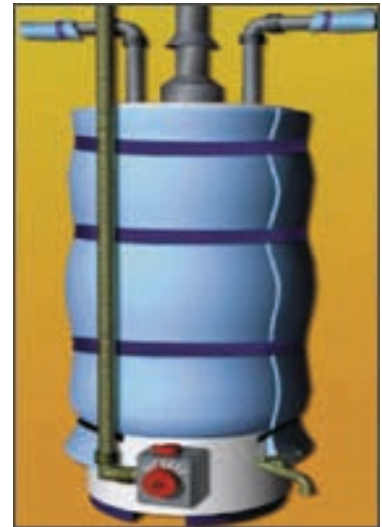
Geyser blanket

Cost: R600 installed, R300 DIY (up to 200 litre geyser)

Payback: 1-2 years

Requirements to meet criteria:

- The first 3 meters of warm water piping coming from the geyser must be insulated
- The geyser must be covered by a layer of insulation of sufficient thickness to give a U Value of 0.5 W/m²k or lower.



Savings:
10% to 15% of hot water bill
(Depending on quality
of geyser insulation)