

HEAT WATER FOR LESS

XTEND elements are a game changer in geyser element technology. They use a self-limiting ceramic called PTC, which, coupled with the innovative design, reduce energy use by 25%. Retrofit your geyser and start saving energy today!



25% energy savings compared to standard resistive elements



Marine-grade stainless-steel outer casing make them ideal for hard water applications

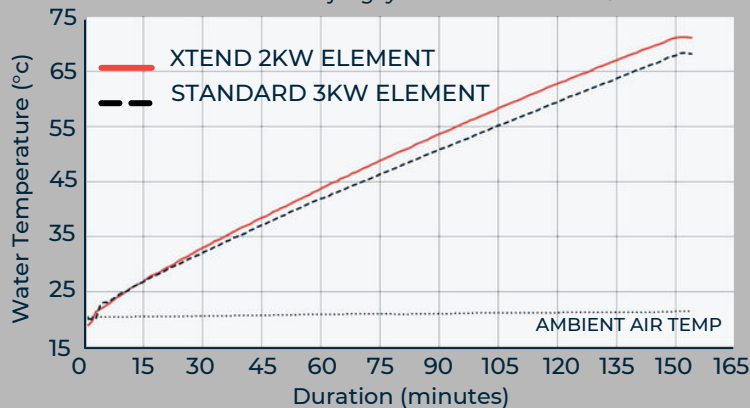


lower instantaneous draw and wattage means that the geyser can be included in Solar PV

XTEND 2kW vs Standard Spiral 3kW

Heat up curve in 150L, B rated geyser

**Results from a major geyser manufacturer in South Africa*



XTEND Elements Technical Specifications

Fitting Type	Flange	Flange	Screw-in	Screw-in
Power (w) ± 10°C	2000	3000	2000	3000
Rated Voltage (V)	230	230	230	230
Inrush Current (A)	11-15	17-23	11-15	17-23
Inrush Duration (s)	35	35	35	35
Steady State (A)	9	13	9	13
Resistance (Ω)	50-200	50-200	50-200	50-200
Dry Burn Cycles	Tested to over 5000 cycles			
Material	316 Stainless Steel with PTC ceramic core			
Weight (kg)	1,79	1,85	1,00	1,16
Length (mm)	400	400	300	360
Diameter (mm)	50	50	35	35
Surface Temp (°C) ± 10°C	220	220	220	220

BENEFITS BREAKDOWN

Energy Saving

- 25% energy savings compared to resistive elements
- Average family saves 1000 units of electricity each year
- Element pays for itself through savings

Inverter friendly

- More hot water per kWh
- Lower instantaneous draw
- Use excess solar power to heat the geyser

Simple to Install

- Installation same as with standard element
- No additional parts required
- Low maintenance

Ideal for Hard Water

- Lower operating temperatures (220°C) than resistive elements (500°C) which reduces precipitation of solids out of the water
- PTC elements have a very low watt density which aids in reducing scale build-up
- The heat is dissipated by the areas without scale build-up and the element continues to function optimally

Longer Life

- Durable marine grade 316 stainless steel casing
- Tested to 21600 cycles (equivalent to 10+ years usage)
- 3 year product warranty
- Dry burn tested to 5000 cycles (will not break if geyser bursts)

Safe and Certified

- Dry burn tested to 5000 cycles (will not burn out if geyser is empty)
- Approved for fitment in Kwikot, Heattech & GAP geysers
- SABS tested to SANS 514



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