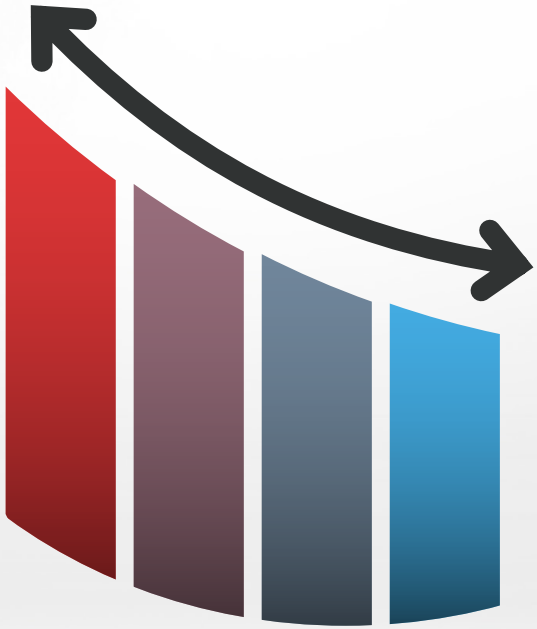


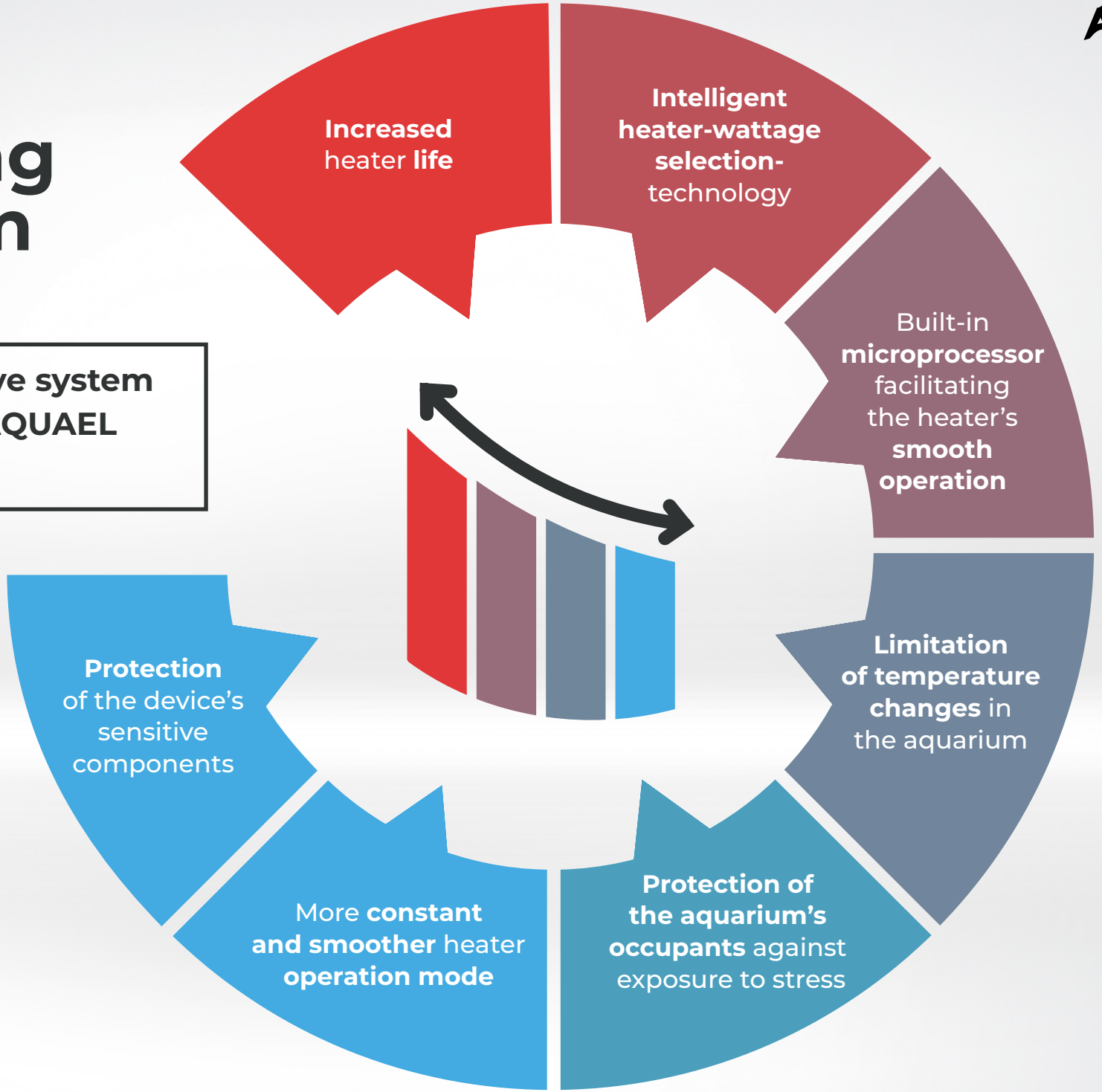
AQUAEL

Smart Heating System (SHS)

Smart-mode heating

Smart Heating System

The innovative system used in the AQUAEL heaters



Smart Heating System

Utilised in these heaters:

Ultra Heater
(75, 100, 150, 200W)

Flow Heater

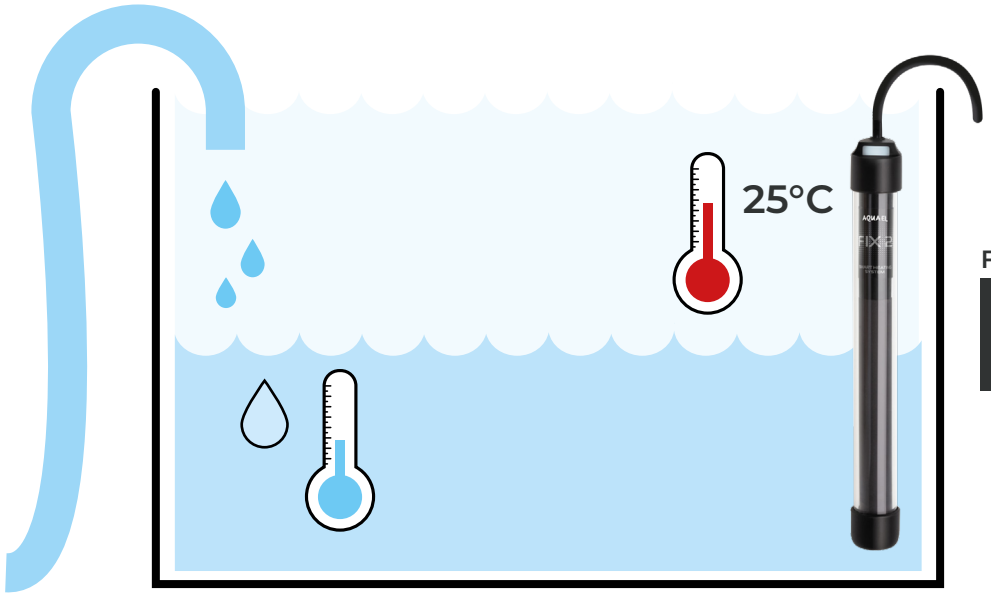
Fix 2

How the SHS works

Examples:

1. Freshly set-up aquarium or a larger water change
2. No adverse factors causing a rapid drop in the aquarium water temperature
3. An aquarium located in a cool room

1 Freshly set-up aquarium or a larger water change



Fast heating:
100%
of wattage

a

The aquarium **water temperature** is **much lower than the programmed level**

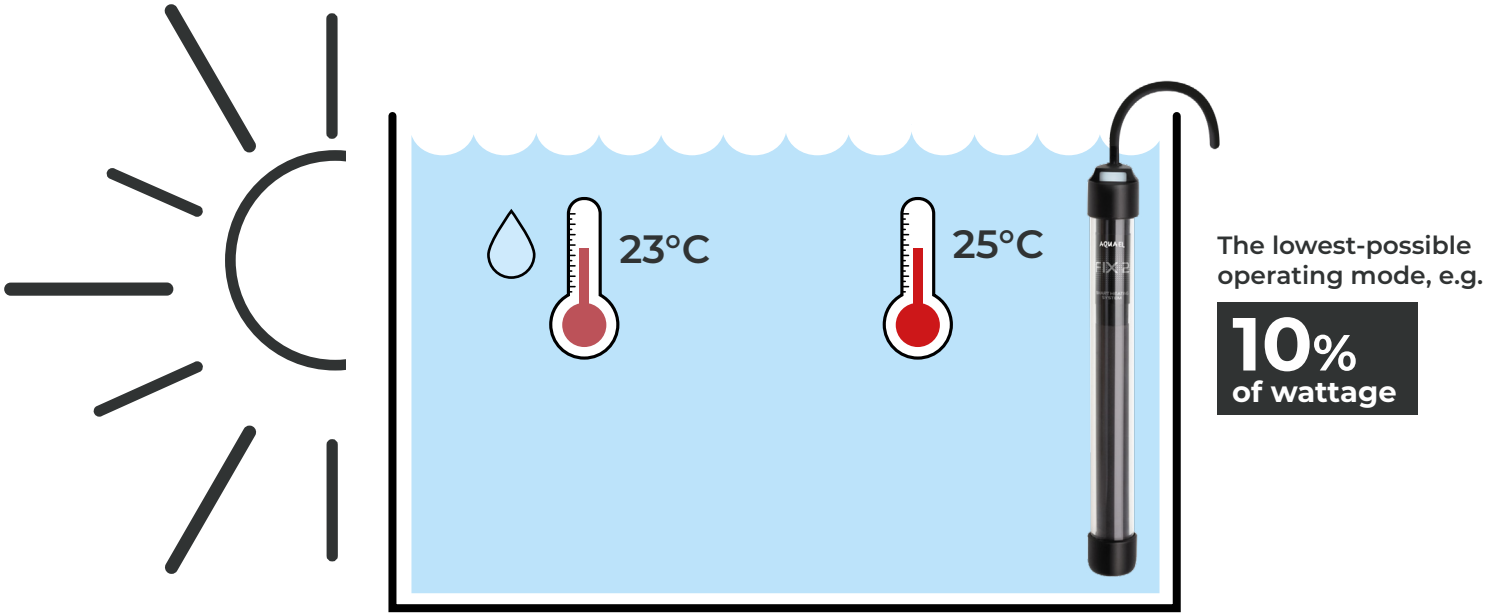
b

The microprocessor turns on the heater in **100%-wattage** mode

c

The required temperature is rapidly reached

2 No adverse factors causing a rapid drop in the aquarium water temperature



a

Slight difference in current water **temperature** to the programmed level

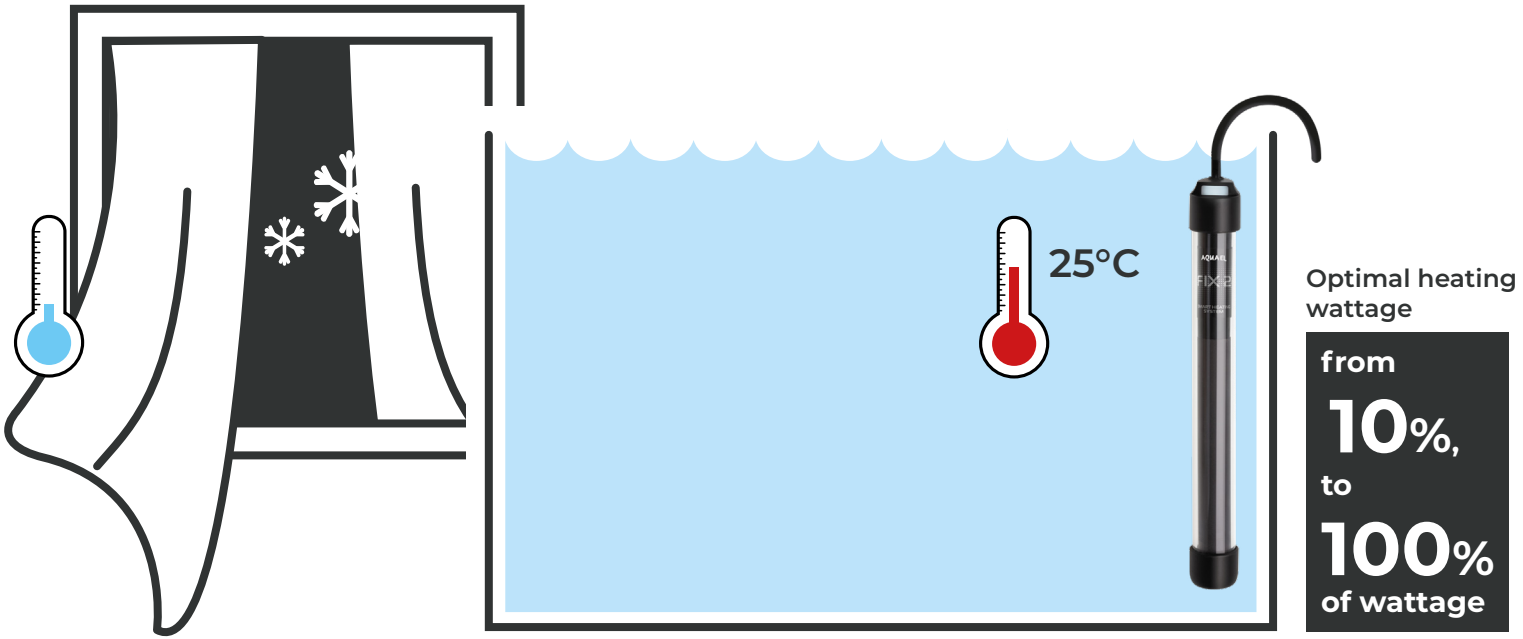
b

The microprocessor will turn on the heater **in the lowest possible operating mode**, e.g., 10% of nominal wattage

c

Gradual water heating without a sudden temperature rise

3 An aquarium located in a cool room



a

A big difference between the aquarium water **temperature** and room temperature

b

The microprocessor **selects the optimal heating wattage** – from 10% to 100% of nominal wattage (in steps of 10%)

c

No rapid temperature increase, while guaranteeing the programmed value achievement