

Model***WK1*****Maximum pipe diameter**

28m

**Direct Fired Water Heaters** – We recommend maximum heat rating for different sized units and this also varies according to whether they are gas fired, oil fired or heated electrically.

**Direct fired gas / oil  
Electrical boiler**35 kW  
15 kW

**Flow Rate** – Flow rate is immaterial as far as Water-King is concerned. The greater the flow, the more effective the units tend to be.

**Product Data**

- Aerial Length 1.8 m
- Aerial Number 2
- Minimum aerial turns 12 Turns
- Frequency range 1 – 10 kHz
- Peak to peak output voltage 82 V
- Power supply required 230 V or 110 V
- Input current 0.02 A
- Power consumption 1 W
- Transformer output 9 V. ac
- Power cable length 1.5 m
- Dimensions 140mm x 85mm x 50mm
- Weight 0.75 kg
- Ambient temperature 0 – 70 °C
- Humidity non-condensing 80 %
- Self-diagnostic guard chip Yes
- BMS output No

**Self-Diagnostic “Guard Chip”** – Every computer system is prone to malfunction, especially if there is a sudden variation in the power supply, which can jam the program. Most systems have to reset by manual re-booting. Water-King units overcome this problem by an additional “Guard Chip” program, which monitors the performance of the main program and resets the system automatically if it detects a variation or system failure. There is no need for manual resetting after power outage.

**Maintenance** – Once installed, the WK1 requires no maintenance.

**Lifecycle costs** – Running costs are less than £15.00 per annum. The design life is 25 years with a 5-year manufacturer’s warranty.