

Model***SENTRY*****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** 35 kW  
**Electrical boiler** 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	Waterproof
○ Self-diagnostic guard chip	Yes
○ IP Standard	68
○ 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 Sentry 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.