

WaterMATIC KorrosionGUARD

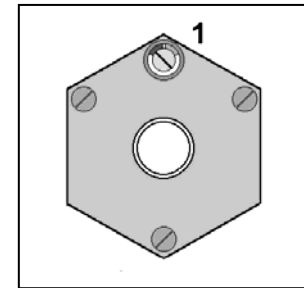
(Open Pipe System)

Model KorrosionGUARD 22 - is an environmentally friendly non-polluting electrolytic physical water conditioning process that protects an 'open' pipe system from its various forms of corrosion that can arise through electrolytic and oxygen means. This is achieved without use of chemicals, salt and the need for any electrical power supply. This is suitable for pipework systems



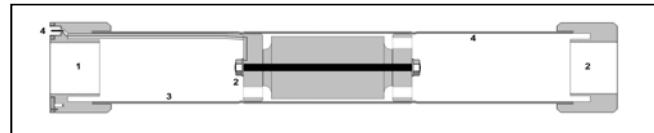
used in domestic, commercial and industrial premises. In hard water areas, the process will also mitigate the formation of limescale encrustation

The KorrosionGUARD works by a natural electrolytic process, with the help of a zinc electrode - without using any magnetic or chemical technical affect on the water - and begins its process immediately the unit has been installed. The unit has to be earth bonded to the pipe system. The process is not sensitive to low water flow. The process works as a galvanic cell, encouraging the sacrifice of zinc thus protecting other metals higher in the galvanic series (copper, steel, aluminium alloys, stainless steels etc.) It will impart of a thin passivated protective layer on the internal pipe surfaces and help extend the protection process. The KorrosionGUARD is fitted with a trend-meter to confirm that it is operational when water is flowing.



The product specification for system/installation design purposes is :-

Manufacturer	: WaterMATIC, (Div of Salamander (Engineering) Ltd., U.K.)
Product Code	: KorrosionGUARD 22
Pipe Size	: BSPT steel pipe or adapter for 22 mm copper pipe
Connection	: 3/4" BSP Female Iron
Design Flow	: 0 - 64.0 l/min (3.84 M ³ /hr) requiring □p = 0.13 bar
Δp=1/2 Bar Flow	: 130 l/min (7.8 M ³ /hr)
Length	: 450mm
Diameter (Main body)	: 54 mm
Weight	: 3.10 kg
Test Regulations	: BS EN ISO 9002 (1994) accredited; (UK) WRc Certification 9508094 (Germany) RWTüV Prüfprogramm M 30/94 Cert. Nr. 2684/95
Materials Used	: Outer Body - Copper BS 2871 Pt.1 Table X Anode Support - Grilamid L20G Natural Anode Material - Pure Zinc with Magnesium BS 6561
Construction	: The anode assembly is pressed into the copper body and locked into position. The body diameter is reduced at the ends and brazed to the end connectors. The unit cannot be opened.



1 Meter
2 Pipe Connection
3 Zinc (Anode)
4 Copper Wall (Cathode)

The KorrosionGUARD (tested to 45 bar) is designed to work in a max. system pressure of 30 bar treating a mains water supply at between 2°C - 100°C, with a max. system flow rate of 2M/sec. (for silent operation) in the nominal pipe size for the product. The water should have a pH range of 5.0 - 8.5.

Supplier : **WaterMATIC Division,**
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Technical Specification subject to change (30-5-09 – MJP).