

WaterMATIC KorrosionGUARD

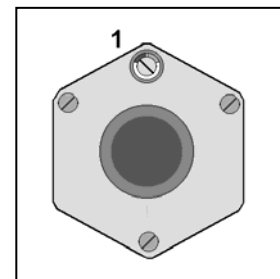
(Open Pipe System)

Model KorrosionGUARD 28 - is an environmentally friendly non-polluting electrolytic physical water conditioning process that protects an 'open' pipe system from the various forms of corrosion that can arise through electrolytic and oxygen means. This is achieved without use of either chemicals or 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 which provides cathodic protection, a well established protection method in industry. It 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 which will impart a thin passivated protective layer on the internal pipe surfaces and help extend the protection process. The KorrosionGUARD is fitted with a status indicator (meter) to confirm that it is operational when water is flowing.

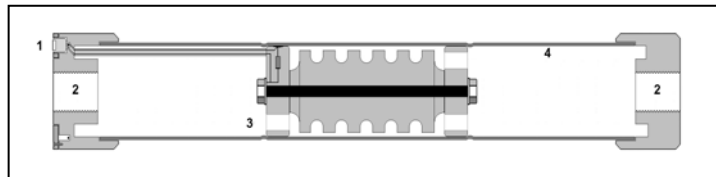


The product specification for system/installation design purposes is :-

Manufacturer	: WaterMATIC Div., Sentinel Performance Solutions Group
Product Code	: KorrosionGUARD 28
Pipe Size	: 1" BSPT steel pipe or with adapter for 28 mm copper pipe
Connection	: 1" BSP Fem. Iron
Design Flow	: 0 - 96.0 l/min (5.76 M ³ /hr) requiring p = 0.23 bar
Δp=½ Bar Flow	: 137 l/min (8.22 M ³ /hr)
Length	: 484mm
Diameter (Main body)	: 67 mm
Weight	: 4.58 kg
Test Regulations	: BS EN ISO 9002 (1994) accredited; (UK) WRAS

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

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.



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, Sentinel Performance Solutions Group, The Heath Business and Technical Park, Runcorn, Cheshire WA7 4QX, U.K. Tel : 01928-593-281 Fax : 01283-562-891 Email : info@watermatic.co.uk Web-site : www.watermatic.co.uk
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Technical Specification subject to change (11-6-09 – MJP).