

Pos	<b>Specification</b> <b>Gewässer-Umwelt-Schutz GmbH</b>	SP	AP
Pc.	<b>Glykolprotektor</b>	Euro	Euro

	<p>The Glykolprotektor is a tested device for collecting it established refrigeration and air conditioning, and prevented in accordance with legal requirements (VUmwS) that the Glykolprotektor spilled water-glycol mixture, oil, water hazard class one to three (WGK1-WGK3) are flushed out in the rain. The requirements of WHG and WasgefStAnIV are met. The suitability of the system was demonstrated by TÜV Rheinland.</p> <p>Through modern technology, a leakage sensor in the monitored unit is detected early, evaluated by a microprocessor, the drain valves are closed and an alarm contact (floating) enabled. This is the end-held water-glycol mixture back safely. The alarm output can be read as plain text in the display of the microprocessor. Up to 2 units can be monitored by a microprocessor. A special circuitry prevents the valves open again, without the operator has given a share.</p> <p>In order to meet the general requirements of safety systems, with:</p> <ul style="list-style-type: none"> <li>- Power failure</li> <li>- Cable break</li> <li>- Microprocessor defect</li> <li>- Faulty valve control</li> <li>- Sensor defect</li> </ul> <p>the drain valves automatically closed, locked and activated the alarm contact. The alarm can be transmitted to the building control system. To release the operator must confirm the release.</p> <p>The Glykolprotektor is a security system, made of stainless steel 1.4301. It is manufactured according to EN ISO 9445 and is confirmed by the manufacturer if required (test certificate EN 10204).</p> <p>The drain valves are designed for outdoor use and equipped with dry contacts for alarm and operating messages. Usable temperature range: -30 ° C to +50 ° C.</p> <p>EMC: CE according to 89/336/EEC. Low Voltage Directive: CE according to 2006/95/EC. The drain valves are maintenance free.</p> <p>The switchbox is IP65 protected and UV-resistant and contains a microprocessor, relays, terminal blocks and complete internal wiring.</p> <p>The microprocessor with up to 2 configurable analog inputs (0-1V, 0-10V ,2-10V ,0-20mA ,4-20mA, resistance) Alarm signal text with color change (green / red), 3 Option slots, 4 limit comparators and fast friendly configuration through Setup program. Detection of cable breaks or short circuits to prevent false alarms.</p> <p>2 relay changeover as output, and 2 logic outputs, power supply for two-wire transmitters and setup interface.</p> <p>Optional: Math and logic module, RS422/485 interface, Profibus-DP interface.</p>		
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The Glykolprotektor is especially suitable for cold water systems and coolers filled with water-glycol mixture and placed outdoors. On the Glykolprotektor mounted water chillers and coolers cause no leaks in water pollution.

The greatest amounts of precipitation in Germany are safely collected, or removed (length 312 mm rain in 24 hours) (data from the German Weather Service).

With the machine, the requirements are fulfilled according to § 62g and following of the WHG and AwSV.

Optional Accessories available:

- Leaf guard
- Heating mats and thermostats in 65 / UV-resistant for year-round operation
- Base pedestals for installation in glycol protector
- Sensor for the second circuit
- Alarm message via SMS, fax or e-mail

Material: stainless steel 1.4301

Processing: welding according to DIN EN 287 / 288

Technical documentation includes the technical aptitude test by TÜV, installation instructions with. Data, maintenance instructions, commissioning information and data on the electrical equipment, spare parts and customer service.

Related evidence:

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