| Pos/ Pcs | WGW Wave Protector | EP Euro | GP Euro |
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| | ATTENTION: Please check the dimensions and the collection volume!<br><br>The Wave Protector prevents the escape of water-polluting substances in the outdoor area. It was designed specifically for non-pressure systems and large-scale installations. The system reacts to the dye that is added to most hazardous materials at the factory to distinguish them from water. In order to enable a detection of water-polluting substances even at dripping and spraying losses, the circuit can be mixed with a special, highly concentrated dye. A running optical sensor monitors the effluents on this dye and constantly transmits the concentration of the dye in the drain to a control box. This evaluates the data and triggers the alarm chain in the event of a significant measurement of the color particles. The downstream quick-closing valves are locked and at the same time an alarm message is issued via the potential-free contact.<br>This technology is combined with a stainless steel drip pan, but can also be integrated into a roof drain, the drain of which is held back in a separate collecting container when an alarm is triggered.<br><br>The modern sensor technology detects leakage in the monitored unit in good time, evaluates it via a microprocessor, closes the drain valves and activates an alarm contact (potential-free). Thus, the leaking water-glycol mixture is securely held back. The output alarm can be read as clear text in the display of the microprocessor. Up to 2 units can be monitored with a microprocessor. A special switching technology prevents the valves from reopening without the operator having given clearance. In order to meet the general requirements for safety systems, the outflow valves are automatically closed, locked and the alarm contact activated in the event of a power failure, cable break, microprocessor defect, defective valve control or sensor failure. The alarm can be forwarded to the building management system. For unlocking, the operator must acknowledge the release.<br><br>The Waveprotector is a safety system made of stainless steel 1.4301. Manufactured to EN ISO 9445 and confirmed by the manufacturer if required (EN10204 factory test certificate). The drain valves are designed for outdoor installation and equipped with potential-free contacts for alarm and operating message. Applicable temperature range: -30 ° C to + 50 ° C. EMC: CE according to 89/336 / EEC. Low Voltage Directive: CE according to 2006/95 / EC. The drain valves are maintenance-free.<br><br>The control box is IP65 protected and UV resistant and contains a microprocessor, relays, terminal blocks and all the internal wiring. | | |

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| | Microprocessor with up to 2 configurable analog inputs (0-1V, 0-10V, 2-10V, 0-20mA, 4-20mA, resistance measurement) Color change alarm message (green / red), 3 option slots, 4 limit comparators and fast convenient configuration with Setup program. Detecting cable breaks or short circuits to prevent false alarms. 2 relay changer as output, as well as 2 logic outputs, power supply for 2-wire transmitter and setup interface.<br>Optional: math and logic module, RS422 / 485 interface, Profibus-DP interface.<br><br>The Wave Protector is particularly suitable for cold water systems and recoolers that are filled with water-glycol mixture and installed outdoors. Chilled water sets and recoolers mounted on the wave protector thus do not cause any water contamination in case of leaks.<br><br>The largest possible rainfall in Germany are safely collected or dissipated (continuous rain 312mm in 24 hours) (data from the German Weather Service).<br><br>With the wave protector are the requirements<br>according to § 62g ff. of the WHG (Water Resources Act) and<br>§ 3 of the AwSV (Plant Ordinance).<br><br>Optional accessories available:<br>Leaf guard<br>Heating mats and thermostat in IP65 / UV-resistant for year-round operation<br>Pedestals for installation in the wave protector<br>Fault message via SMS, fax or e-mail<br><br>Material: stainless steel 1.4301<br>Processing: Welding according to DIN EN ISO 9606-1<br><br>The technical documentation includes the installation instructions with the technical data, maintenance instructions, commissioning information as well as information about the electrical equipment, spare parts and customer service.<br><br>**Sourcing reference:**<br><br>**GUS Gewässer-Umwelt-Schutz GmbH**<br>**48529 Nordhorn** | | |