

Statement on RoHS

Directives 2011/65/EU and 2015/863/EU

Directives 2011/65/EC and 2015/863/EC limit the use of certain hazardous materials in electrical and electronic devices.

GSR Ventiltechnik GmbH & Co. KG is developing and manufacturing solenoid valves and pneumatically operated seat valves. The valves produced by GSR have a wide range of uses in machine and plant construction for controlling gaseous and liquid media.

According to the VDMA policy statement on RoHS and the harmonized Electrical and Electronic Equipment Act, both building fittings and industrial fittings are usually installed in stationary large-scale plants, thus not falling under the scope of these directives or of this act.

GSR follows VDMA's assessment in considering its products not being in the direct field of application of the RoHS Directive. However, irrespective of this, we are positioned such that GSR products can be supplied as much as possible in compliance with the directive.

For the majority of applied GSR products, replacement materials or alternative production processes have been introduced for banned substances or, if they have not been replaced, they are within the allowed limits.

According to the present state-of-the-art, materials containing lead as an alloying element cannot be substituted. Lead acts as chip breaker and lubricant, improves the metal-cutting properties of alloys and provides the material with properties such as an improved corrosion resistance.

For lead and other substances, in Appendix III, Directive 2011/65/EC provides exemption clauses to Article 4 Paragraph 1. GSR has taken advantage of the following exemption clauses:

- Paragraph 6b for aluminum with a percentage by weight of 0.4% of lead.
- Paragraph 6c for copper alloys with a percentage by weight of up to 4% of lead.

However, for certain applications, GSR will also use materials with a higher percentage by weight of lead than that of the exemption clauses. This affects components made of the following materials:

- Red brass (material numbers 2.1090 and 2.1096)
- Aluminum (material number 3.1645)

These materials are used as pressure-bearing enclosures, but also as interior parts of valves. The selection of materials is governed by required material resistance.

This is why a general declaration on the conformity of all GSR products with the RoHS Directives will unfortunately not be possible. What is required instead is individual testing. We therefore ask you to request this individual testing from us when required and thank you in advance for your understanding.

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