

## Statement on the use of plastic pipes, fittings and manually-operated valves in potentially explosive atmospheres

*Georg Fischer Piping Systems Ltd* is a manufacturer of plastic pipes and fittings as well as manually operated plastic valves. The used plastic materials are non-conductive. According to the borderline list of the guidelines to Directive 2014/34/EU, these products do not have their own ignition source and therefore do not fall within the scope of Directive 2014/34/EU. A certification in accordance with Annex III of the Directive is not possible for these products.

The products may be used in potentially explosive atmospheres. The declaration of conformity for the products must not declare conformity with Directive 2014/34/EU. In order to enable the use of the products in potentially explosive atmospheres, the intended use of the products must describe that the products do not have their own ignition sources and therefore do not fall within the scope of Directive 2014/34/EU. As part of the risk assessment of the products, potentially electrostatic charges inside and outside the products as well as leaks due to the substances transported must be taken into account. These risks must be taken into account as part of the risk assessment of the overall system, which must be carried out by the user in accordance with Directive 1999/92/EC. For this purpose the manufacturer has to provide the relevant information for the user in the user instructions or the documentation associated with the product. The following information should be included as examples

- substances authorised for carriage
- authorised pressures and flow velocities in the products,
- plastics used for the products,
- necessary measures to avoid external charging, e.g:
  - o No cleaning with a dry cloth,
  - o no use in highly charge-generating processes.

Kind regards

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