

# Lutz Pumps and Flow Meters for the Food, Pharmaceutical and Cosmetics Industry

During food production, raw materials and finished food products come into contact with various objects and materials, and must be suitable for this. This also includes devices and machine parts for commercial food production. These are defined as "food contact materials" and are specified in food product legislation.



## Regulation (EC) 1935/2004

Pumps and flow meters in contact with food products are also considered to be food contact materials and are thus subject to strict legal regulations. In accordance with EU Regulation no. 1935/2004, these are to be produced in accordance with good manufacturing practice and may not release substances which pose a hazard to the health, cause unacceptable changes to the food products or impair their odour or taste. Lutz drum pumps, flow meters and accessories meet the requirements of Regulation (EC) 1935/2004 and bear the "glass and fork" symbol to indicate their suitability for foodstuffs. The associated Regulation (EC) 10/2011 on plastics in contact with foodstuffs lists the migration values of chemicals which may not be exceeded in defined reagent tests.



## FDA Approval

The Food and Drug Administration in the USA certifies materials and substances and also defines limit values for extractable substances which must be complied with, as is the case with elastomers for aqueous or fatty food products (21 CFR 177.2600).



## USP – U.S. Pharmacopeial Convention

The United States Pharmacopeial Convention, Inc. is a scientific nonprofit organization that sets standards for the identity, quality, and purity of medicines, food ingredients, and dietary supplements manufactured, distributed, and consumed worldwide. It provides documentary standards and reference materials to help manufacturers, suppliers, and regulators to safeguard the dietary supplement supply, and limit adulterants and contaminants.



## 3-A Sanitary Standard

Beyond the safety of the materials used, the 3-A Sanitary Standard places stringent design requirements calling for a hygienically flawless and easy-to-clean design. The new Lutz B70V SanitaryPlus pumps consistently meet the requirements for hygienic design and are certified in accordance with the current version of the "3-A Sanitary Standards for Centrifugal and Positive Rotary Pumps" and are thus equipped for the international market.

Lutz B70V SanitaryPlus pumps are consistently designed with manually detachable, threadless connections in areas coming into contact with liquids. They are quick and easy to dismantle for thorough cleaning and disinfection by hand or with tools such as a water stream or cleaning machines. All products covered in the product are easily accessible and visible.



## ATEX Directive

Pumps and flow meters from the PURE and Sanitary series are also available in an explosion-proof version in accordance with ATEX Directive 2014/34/EU. They are well-suited for pumping highly flammable liquids in food and beverage production, such as alcohols, essential oils and flavourings, as well as cleaning products and disinfectants used for cleaning purposes.