

Valves in contact with food and beverage

Valve design made of FCM approved materials

DESIGN AND MATERIAL

Somas has developed a range of butterfly-, ball segment- and ball valves that can be supplied in Food Contact Materials FCM, materials approved for food contact. Typical applications are found within the food and beverage industry. Rules for food contact is according to the US Food and Drug Administration FDA, and the European regulation EC 1935/2004.

The purpose of the rules are to protect the consumer from harmful substances in food.



FDA

The FDA requirements on food contact materials cover fluoride plastics like seats and gaskets in PTFE, elastomers like O-rings in rubber, and lubricants. The valve seat, the stuffing box, the gaskets, sealing rings and the lubricant must be FDA approved.

EC 1935/2004

The European requirements on food contact materials is according to the framework regulation EC 1935/2004. Added to this is the regulation for Good Manufacturing Practise EC 2023/2006 providing requirements for a quality management system to achieve control and traceability of materials. For valves non-metallic parts the requirements of the specific regulation EC 10/2011 for plastic parts shall also be fulfilled.



SUMMARY

- Rules for food contact is according to the US Food and Drug Administration FDA, and the European regulation EC 1935/2004.
- The purpose of the rules are to protect the consumer from harmful substances in food.
- Somas has performed tests of overall and specific valve materials, at accredited laboratories.

