

NSF Standard Compliance for Valve Materials

Nº. 1097

NSF standard compliance guarantees customers that SVF Flow Controls has assured that the materials used in the valves complies with NSF-51 and NSF-61 standards for safety, quality, sustainability and performance. NSF standard is a set of national standards that relate to water treatment and the requirements for the equipment that is in contact with either potable water or within the process of potable water production.

NSF-61 is the standard for “Drinking Water System Components-Health Effects”, and deals with materials and products used in contact with drinking water.

NSF-51 is the standard for “Plastic Material and Components used in Food Equipment”, and deals with materials and products used in contact with food and beverages.

Wetted Material	Description	Compliant
STAINLESS STEEL	NSF/ANSI Standard verifies that stainless steels are highly resistant to leaching of contaminates into potable water. Accepted Grades: 304, 304L, 316 and 316L	NSF Approved
UHMWPE	Ultra High Molecular Weight Polyethylene is rated to 1500 PSI at temperatures from -70°F to 200°F. It can be used in low to medium level radiation tolerated and abrasion resistance is very good.	NSF Approved
TFM1600™	TFM is a modified “second generation” TFE polymer that maintains the chemical and heat resistance properties of first generation PTFE. It has a denser polymer structure than standard PTFE with better stress recovery.	NSF Approved
DELTRIN®	Delrin is very rigid, does not undergo cold flow, and has an excellent combination of strength, hardness, stiffness, stability, abrasion resistance and low friction. Delrin allows pressures up to 5000 PSI depending on the valve size and seal combination.	NSF Approved
TEFLON®	Teflon® is a fluorocarbon based polymer and typically is the most chemically-resistant of all plastics while retaining excellent thermal and electrical insulation properties. Teflon® also has a low coefficient of friction so is ideal for many low torque applications. This material is non-contaminating and accepted by the FDA for use in food services.	NSF Approved
BUNA-N	BUNA-N is a general purpose polymer with good resistance to oil, water, solvents and hydraulic fluids. With good compression, tensile strength and abrasion-resistance, BUNA-N performs well with diverse media such as fatty acids, oils, alcohols, compressed air, Di-ester based fluids, inactive gasses or glycerine.	NSF Approved
EPDM	EPDM has good abrasion and tear resistance while offering excellent chemical resistance to a variety of acid and weak alkaline-based media. It also has exceptional weather aging and ozone resistance. EPDM is susceptible to attacks by oils and therefore it is not recommended for applications involving petroleum oils, hydrocarbons, alcohols, strong acids or strong alkalines.	NSF Approved

Visit our website, www.SVF.net for more information on our Valves.