



AAA PRODUCTS INTERNATIONAL

FLUID POWER VALVES • JIFFY PRODUCTS

7114 Harry Hines Blvd., Dallas, TX 75235 • Phone: 214-357-3851 • Fax: 214-357-7223

E-mail: info@aaaproducts.com • <http://www.aaaproducts.com>

DATE: November 5, 2025

SUBJECT: Clarification Regarding Per- and Polyfluoroalkyl Substances (PFAS)

The purpose of this letter is to provide information regarding Per- and Polyfluoroalkyl Substances (PFAS) and to clarify the status of the materials, specifically the Viton® (fluoroelastomer) O-rings and Magnalube-G® grease, used in our valves.

What are PFAS?

PFAS are a large, complex group of synthetic chemicals that have been used globally since the 1940s in a wide range of industrial and consumer products, including non-stick cookware, stain-resistant fabrics, and firefighting foams. They are defined by the presence of a strong carbon-fluorine bond, which makes them extremely stable and resistant to heat, water, and oil. Due to their persistence in the environment and the human body, they are often referred to as "forever chemicals".

Concerns have arisen because some specific, typically low-molecular-weight PFAS compounds (such as PFOA and PFOS), have been linked to potential adverse health effects.

Viton® (Fluoroelastomer) O-Rings and Their Relationship to PFAS

The O-rings in most of our valves primarily contain Viton® (FKM), a high-performance fluoroelastomer. These materials are chosen for their superior resistance to extreme temperatures, chemicals, and oils, which are critical for the safety and reliability of our products in demanding applications.

It is important to understand the nuance in the regulatory classification:

- **Viton® is a fluoroelastomer, which is a type of fluoropolymer.** Under the broad regulatory definition, all fluoropolymers and fluoroelastomers fall under the umbrella of "PFAS" because they contain carbon-fluorine bonds.
- **However, Viton® does not share the same risk profile as the PFAS of primary concern (e.g., PFOA and PFOS).** Viton® is a stable, high-molecular-weight polymer that is not mobile, does not dissolve in water, and does not break down into harmful legacy PFAS compounds under normal use conditions. It is not considered bioavailable or toxic in the way the environmental contaminants of concern are.



AAA PRODUCTS INTERNATIONAL

FLUID POWER VALVES • JIFFY PRODUCTS

7114 Harry Hines Blvd., Dallas, TX 75235 • Phone: 214-357-3851 • Fax: 214-357-7223

E-mail: info@aaaproducts.com • <http://www.aaaproducts.com>

- **Our products are certified to be free of PFOA and PFOS.** Manufacturers have transitioned their processes to ensure that these specific, highly regulated legacy chemicals are not present in the final product.

Magnalube-G® contains PTFE (polytetrafluoroethylene)

Magnalube-G® that is used in the majority of our valves is specifically formulated as an elastomer polyurea lubricating grease that uses a proprietary PTFE thickener to provide superior performance, water resistance, and high-temperature stability. The material safety data sheets and product descriptions explicitly list PTFE as an ingredient. While PTFE is chemically defined as a type of PFAS, it is a safe, stable material in its final form and does not pose the same health risks as the non-polymeric PFAS (like PFOA/PFOS) which are associated with environmental persistence and bioaccumulation concerns.

Our Commitment

We take environmental and health concerns seriously. The materials used in our valves are selected to meet the highest standards of performance and safety. We are actively monitoring the evolving regulatory landscape surrounding PFAS and are engaged with industry bodies to advocate for a risk-based approach that differentiates between problematic short-chain, mobile PFAS contaminants and essential, safe-to-use high-performance polymers like Viton®.

We remain committed to providing safe, effective, and compliant products.

If you have any further questions or require additional documentation, please do not hesitate to contact us.