

DATE: April 25, 2012

SUBJECT: Woodward Preservation and Storage for Fuel Valves and Actuators

Woodward products are packaged and shipped to the most stringent industry standards for international shipments. In most cases, Woodward products are constructed with stainless steel and other corrosion resistance materials. Products not manufactured from these materials are provided with a corrosion inhibiting coating to best protect the item under normal conditions.

To maintain the Woodward warranty, items must be stored in a clean, dry environment free of ingress from any foreign debris (including animals, insects and other organic materials). The preferred method of storage is to keep the product in the "as shipped" containers until the product is installed per the O&M manual. In the event that this is not possible, each product is shipped with covers to prevent ingress of normal materials to the internals of the product. These shipping covers must not be removed until product is installed per the O&M Manual.

Products for the intended use of containing pressurized fluid of any kind will contain various styles of seals. After extended periods of storage (greater than 12 months), these seals can "take a set" and may allow leakage during the initial use of the product. Prior to use, Woodward recommends that the product be pressurized and manually stroked over its full stroke for at least five minutes or one hundred cycles, whichever occurs first. This cycling will enable the seals to regain their preferred shape and provide optimal sealing for the remainder of the product life.

Products that include electronic components (internal driver or other circuit boards) should be powered at least once every six months. This process will ensure the integrity of the electrical components for the remainder of the product life.

Following these general recommendations will allow Woodward products to be stored for long periods of time without degradation to the product performance. Please contact a Woodward Representative for more detailed information or for questions based upon specific field conditions.

Best Regards,

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