



Maximising the Availability of SonicFlo[®] Gas Fuel Control Valves

Integrated solution by PM Control

The Woodward SonicFlo[®] Gas Fuel Control Valve (GFCV) is the preferred valve for GE Heavy Duty Frame Gas Turbines. The SonicFlow GFCV provides extremely precise fuel metering with fast shut-off capabilities for large industrial gas turbines. The concept minimises operational losses and increases start reliability.

As with all high precision components in critical applications the GFCVs should be overhauled in line with the manufacturers recommended overhaul interval of 50,000 operating hours or six (6) years. To ensure reliability of the GFCV PM Control Systems offers an annual on-site service that maintains availability and reduces risk of unplanned outage. This annual service is a recommended best practice by Woodward and includes;

- Hydraulic Filter Assembly Service.
- Servo Valve Service.
- Replacement of the LVDT.
- Clocking of the actuator to the valve.

Solution

- Spare valves. If you have a critical machine spare valve on-site ensures the fastest way to re-start if there is an unexpected problem.
- Exchange valve. PM can arrange to have an “as-new” exchange valve on site in preparation for any planned outage or maintenance period.
- Fixed priced valve overhaul. After changing out valves PM can arrange for the complete overhaul and refurbishment of your valve.

At the given turbine major maintenance interval, PM Control Systems recommends returning the valves to Woodward for service and re-flowing. PM can assist you with this process for trouble free logistics. There are three options which are available to satisfy your requirements:

1. Fixed priced valve overhaul.
2. Exchange valve.
3. Purchasing spare valves.



Fixed Price Overhaul

The fixed price overhaul will completely overhaul your valve to an "as new" condition with full warranty. PM Control Systems will coordinate the shipment of your valve to Woodward and keep you fully informed throughout the overhaul process. Pricing and lead-time will vary depending on the valve size and type.

Flat Rate Exchange Service

Perfect for situations with strict downtime constraints Woodward offers an Exchange Service. The Exchange Service allows you to request an "as new" reconditioned unit be available on-site at the time you require for scheduled maintenance, or as quickly as possible in the event of an unexpected outage. PM Control Systems can assist you to request a replacement unit and provide a detailed implementation plan for the support of your valves throughout the exchange process.

Replacement Spare Units

Regardless of the convenient and accommodating options provided by Woodward, PM Control Systems advises every customer to keep on-site of spares of critical items. We can provide you with a detailed offer that will complement your system and reduce the risk to an acceptable level.

Please contact PM Control Systems for more information.

For more information contact:

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