

Moog

Important Moog ICD Policy Notification

TO: Distribution Network

DATE: October 22, 2010

Moog ICD Distribution Policy Number: DN019
Effective: October 22, 2010
Supersedes Policy Number:
Policy Name: Gas Control Valve Assembly Sales

This policy is to help provide clarification regarding the sale of replacement and spare Moog ICD gas control assemblies for gas turbines. *Per policy DN018A, Moog ICD Distributors are not authorized to sell Moog hydraulic actuator products into new applications.*

Over the years Moog has supplied Gas Control Actuator Assemblies to the major gas turbine manufacturers. To support the on-going operation of the power plant we have maintained manufacturing capabilities to provide complete spares and replacements for most of the models in service today. We also offer factory repair/refurbishment and on site service.

Gas Control Actuators can be purchased in one of two ways; 1) as a complete assembly that includes both the actuator and the gas control valve (process valve) or; 2) the actuator without the process valve.

When we sell to the turbine OEM's our scope of supply includes the complete integrated assembly. The process valve is not a Moog manufactured product but our value add is to ensure that the valve is properly integrated with the actuator assembly and that the assembly is calibrated to the specification. In addition we are capable of doing final testing on the process valve after integration to ensure it meets the leakage specification. Moog guarantees that the full assembly will meet the turbine OEM's performance specification. An example of the ordering model number is 80-062-14P. The "P" in this example represents a process valve.

When Moog sells a complete assembly with the process valve we guarantee that the assembly meets the OEM's performance specification. We offer the Moog standard warranty on the actuator and extend the manufacturer's standard warranty for the process valve.

Many end users that are looking for spares or replacement actuators do not always want to purchase a process valve. Moog has responded to this market request and will sell the actuator without the process valve. However, in this situation Moog can only guarantee the performance of the actuator. Linkage, preload and calibration will need to be performed at site by the customer. It should be noted that a valve leakage test cannot be performed at site. An example of the purchasing model number is -080-062-14LV. The suffix "LV" stands for "Less Valve".

Moog will only guarantee the performance of the actuator it is supplying and not the performance of the final gas control valve assembly. The integration of the process valve which includes linkage, preload and calibration will be the responsibility of the Buyer. Each actuator shipped from Moog comes with a service manual that details how to remove and re-install the process valve from the actuator. However, it is Moog's recommendation that the integration be performed by a technician that has been trained by either Moog or the turbine manufacturer.

Moog offers three (3) levels of service when purchasing Power Gen Gas Control Actuators without the valve (LV):

1. Supply of equipment without support. Each product shipped from Moog comes with a service manual that details how to remove a process valve from the actuator and re-install. This is recommended only in the instance where the onsite customer has performed this work before and/or has been trained by the turbine manufacturer or Moog.
2. Supply of equipment with Moog Field Service. This level of support provides the following: Moog Field service travels to site and helps with the installation and calibration. During the installation both distributor and site technicians can learn the process of linkage hookup, preload and calibration. In addition, the field engineer can instruct site technicians on maintenance of the actuator, transducers, servo's and filter elements. This level of service is highly recommended for first time purchases at each site. Please note that leakage tests on process valves cannot be performed on site. ***This training does not provide certification or authorization to promote that a distributor is an Authorized Integrator.***
3. The third level of service is an Authorized Integrator. An Authorized Integrator is a distributor that has been factory trained and certified by Moog to integrate the process valve to the actuator. This work is normally performed at the distributor's facility and shipped to site for installation. In addition, an Authorized Integrator can travel to site and help with the installation, provided the site is within their Area of Primary responsibility (APR). However, other Moog distributors can utilize the Authorized Integrators as needed to support local outage requirements.