

GPS Actuator

By Bernard Controls

The best way to find your electric actuation solution

- **Linearity**

- The **linearity** refers to the **idea that the percentage of change in input signal must approximate the percentage of change at the output of the actuator.**
- Indeed, a valve is called linear when the flow is proportional to the opening position of the gate.
- Most of modulating valves are linear. But depending on the type of valve, linearity may vary.
- In case of strong non-linearity of the valve, it may cause instability of the modulating process. Therefore, the valve must be operated only through its most linear portion to ensure modulating duty.