



# Cla-Val Model 60-31

## Booster Pump Control Valve

**Sizes: 50mm (2") – 800mm (32")**

- **Simple Hydraulic Operation**
- **Low Head Loss**
- **Horizontal or Vertical Mounting**
- **Built-in Check Valve**
- **Proven Reliable Design**



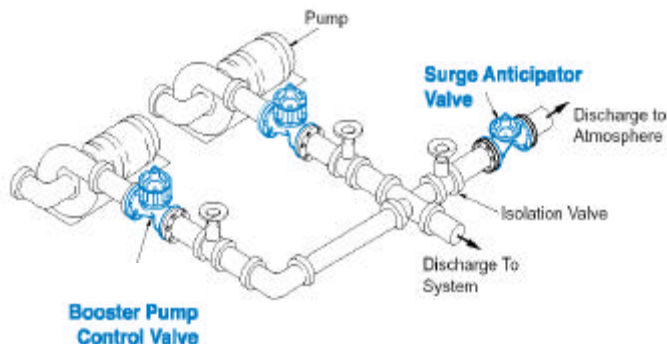
The Cla-Val Model 60GE-31/NGE60-31 Booster Pump Control valve is a pilot-operated valve designed for installation on the discharge of booster pumps to eliminate pipeline surges caused by the starting and stopping of the pump.

The pump starts against a closed valve. When the pump is started, the solenoid control is energized and the valve begins to open slowly, gradually increasing line pressure to full pumping head. When the pump is signaled to shut-off, the solenoid control is de-energized and the valve begins to close slowly, gradually reducing flow while the pump continues to run. When the valve is closed, a limit switch assembly, which serves as an electrical interlock between the valve and the pump, releases the pump starter and the pump stops. The Model 60GE-31/NGE60-31 is an automatic valve of a modified globe-type design with a built-in, lift type, check feature. It is hydraulically operated and diaphragm-actuated. A three-way solenoid valve controls the valve operation. Flow control valves located in the pilot control system provide regulation of both the opening and closing rate. Self-cleaning strainers insure that the pilot control supply is clean.

### Typical installation

Install Model 60GE-31/NGE60-31 valve as shown. Flexible conduit should be used for electrical connections to the solenoid control and the limit switch. A Model 52-03/652-03 Surge Anticipator Valve is recommended for power failure protection.

Designed for multiple pump applications.



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