



# Valve & Equipment Corporation

Specializing in Valves & Valve Automation Since 1983!



## Model 743

Booster-Pump Control and Pressure-Sustaining Valve Active Check Valve

- Isolation of pump start and stop effects from system, for:
  - Solitary single speed pumps
  - Battery of single speed pumps (add & switch)
  - Battery of variable speed pumps (add)
- Pump overload and cavitation protection
- Controlled pipeline fill-up



The Model 743 Booster-Pump Control & Pressure-Sustaining Valve is a hydraulically-operated, diaphragmactuated, active check valve that opens or shuts-off in response to electric signals. It isolates the pump from the system during pump starting and stopping, to prevent pipeline surges. While open, it sustains minimum discharge pressure regardless of fluctuating flow.

### Features and Benefits

- Line-pressure driven
- Independent operation
- No motor required
- Long-term drip-tight sealing
- Solenoid-controlled
- Low power consumption
- Low-cost wiring
- Wide ranges of pressures and voltages
- Normally Open or Normally Closed
- Check feature (spring-loaded type)
- Replaces line-sized check valve
- Fail-safe mechanical closure
- In-line serviceable – easy maintenance
- Double chamber design
- Non-slam opening & closing characteristic
- Protected diaphragm
- Balanced seal disk – high flow capacity
- Flexible design – easy addition of hydraulic features

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