



# Valve & Equipment Corporation

Specializing in Valves & Valve Automation Since 1983!



## Model 748

Pump Circulation and Pressure-Sustaining Control Valve Pump Check Valve Enhancer

- 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)
- Applicable to existing systems
- Controlled pipeline fill-up



The Model 748 Pump Circulation and Pressure-Sustaining Control Valve adds the advanced “active check valve” logic to standard pump systems. It is a hydraulically-operated, diaphragm-actuated, control valve that in response to electric signals (during the pump starting and stopping processes) opens, while sustaining discharge pressure, or shuts-off.

By progressively circulating pump flow, it enables a standard mechanical check valve to respond gradually during the pump starting and stopping processes, preventing pipe-line surges.

### Features and Benefits

- Line-pressure driven
  - Independent operation
  - No motor required
  - Long-term drip-tight sealing
- Off-line (circulation) installation
  - Replaces in-line “active check valve”
  - Reduced system energy consumption
  - Low capital investment
  - Short valve operating time
  - Applicable to existing systems
- Solenoid-controlled
  - Wide ranges of pressures and voltages
  - Low-cost wiring
  - In-line serviceable – easy maintenance
- Double chamber
  - Full-powered opening & closing
  - Non-slam opening & closing characteristic
  - Protected diaphragm