



Valve & Equipment Corporation

Specializing in Valves & Valve Automation Since 1983!



Model 735

Surge-Anticipating Control Valve

- Eliminates surge for all pumping systems:
 - Booster & deep well, single & variable speed
- Eliminates surge for all distribution networks:
 - Municipal, hi-rise buildings, sewage, HVAC, irrigation
 - Difficult to maintain, remote locations, older systems



The Model 735-M Surge-Anticipating Valve is an off-line, hydraulically-operated, diaphragm-actuated valve. The valve, sensing line pressure, opens in response to the pressure drop

associated with abrupt pump stoppage. The pre-opened valve dissipates the returning high pressure wave, eliminating the surge.

The Model 735-M smoothly closes drip-tight as quickly as the relief feature allows, while preventing closing surge.

The valve also relieves excessive system pressure.

Features and Benefits

- Replaces surge air vessels
 - Relieves surge, fail-safe open
 - Minimal maintenance
 - Economy of space
 - Lower investment & maintenance costs
 - Especially economic for higher pressure ratings
- Line-pressure driven
 - Independent operation
 - No motor required
 - Long-term drip-tight sealing
 - Adjustable hydraulic actuation
- Double chamber
 - Moderated valve closing (no surges)
 - Protected diaphragm
- In-line serviceable – easy maintenance
- Obstacle-free full-bore – uncompromising reliability
- Balanced seal disk – high flow capacity