

Level Control Valve

with Altitude Pilot

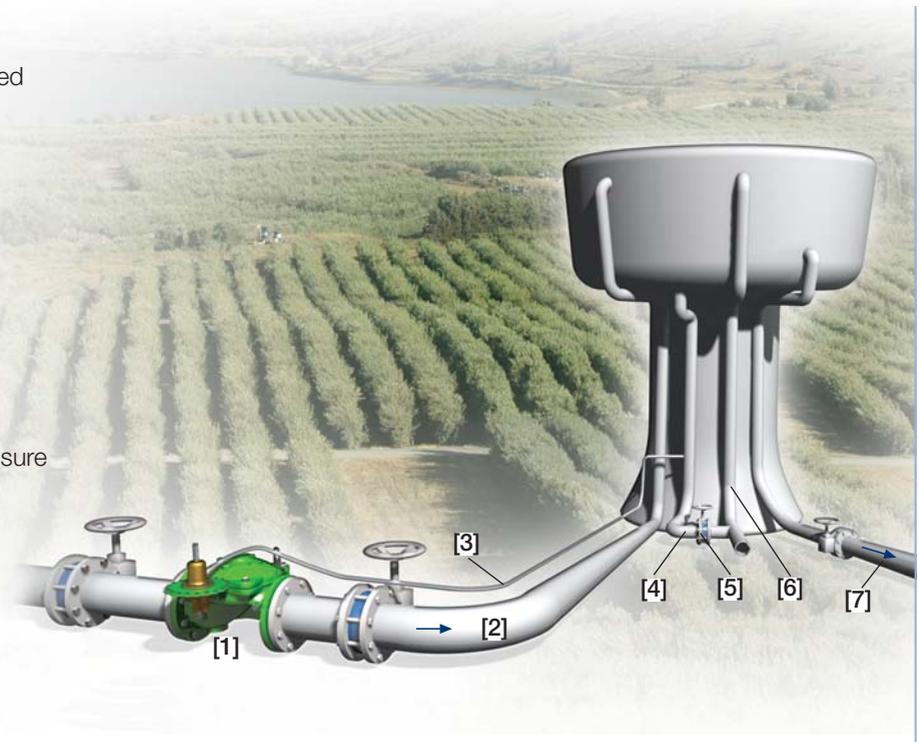
IR-450-80-XZ

The BERMAD Model IR-450-80-XZ Level Control Valve with Altitude Pilot is a hydraulically operated, diaphragm actuated control valve. The valve hydraulically shuts at preset reservoir high level and fully opens in response to an approximately one-meter (three-foot) level drop, as sensed by the 3-way altitude pilot mounted on the main valve.



Features and Benefits

- Line Pressure Driven, Hydraulically Controlled
- Bi-Level Altitude Pilot
 - No float, simple installation
 - On/Off service
 - No cavitation damage
 - Suitable for low quality water
- Advanced Globe Hydro-Efficient Design
 - Unobstructed flow path
 - Single moving part
 - High flow capacity
- Fully Supported & Balanced Diaphragm
 - Requires low opening and actuation pressure
 - Progressively restrains valve closing
 - Prevents diaphragm distortion
- User Friendly Design
 - Easy level setting
 - Simple in-line inspection and service



Typical Applications

- High Level Reservoirs and Water Towers
- Unavailable Power Supply Locations
- Low Supply Pressure Systems
- Low Noise Generation Requirements
- Energy Cost-Critical Systems
- Systems with Poor Water Quality
- Level Sustaining at Reservoir Outlet

- [1] BERMAD Model IR-450-80-XZ shuts at reservoir preset high level and fully opens in response to an approximately one-meter (three-foot) level drop.
- [2] Supply line
- [3] Sensing tube
- [4] Tower drainage pipe (for maintenance)
- [5] Tower drainage N.C. valve (for maintenance)
- [6] Tower "Over Flow" pipe
- [7] Outflow line