



# Pressure Reducing Valve

with Hydraulic Control

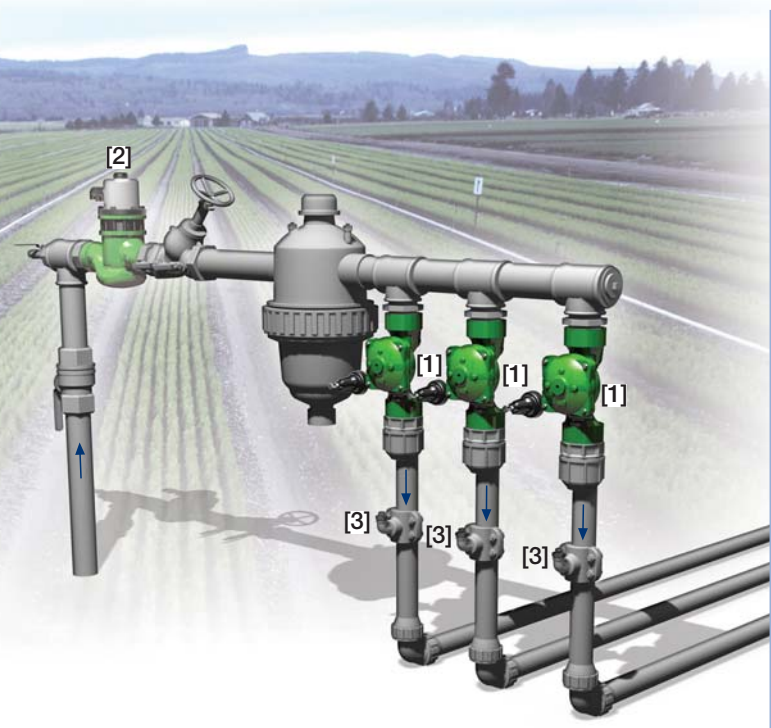
IR-420-50-KXZ

The BERMAD Pressure Reducing Valve with Hydraulic Control is hydraulically operated, diaphragm actuated control valve that reduces higher upstream pressure to lower constant downstream pressure regardless of fluctuating demand, and opens fully upon line pressure drop. It either opens or shuts in response to a remote pressure command.



## Features and Benefits

- Hydraulic Pressure Control
  - Line pressure driven
  - Protects downstream systems
  - Opens fully upon line pressure drop
  - Hydraulically controlled On/Off
- Advanced Globe Hydro-Efficient Design
  - Unobstructed flow path
  - Single moving part
  - High flow capacity
- Fully Supported & Balanced Diaphragm
  - Requires low actuation pressure
  - Excellent low flow regulation performance
  - Progressively restrains valve closing
  - Prevents diaphragm distortion
- User-Friendly Design
  - Easy pressure setting
  - Simple in-line inspection and service



## Typical Applications

- Computerized Irrigation Systems
- Pressure Reducing Stations
- Systems Subject to Varying Supply Pressure
- Distribution Centers

- [1] BERMAD Model IR-420-50-KXZ opens upon pressure drop command, and establishes pressure zone protecting laterals and distribution line.
- [2] BERMAD Automatic Metering Valve Model IR-900-D0
- [3] BERMAD Vacuum Breaker Model ½"-ARV

