

## Pressure Reducing Valve

with Solenoid Control

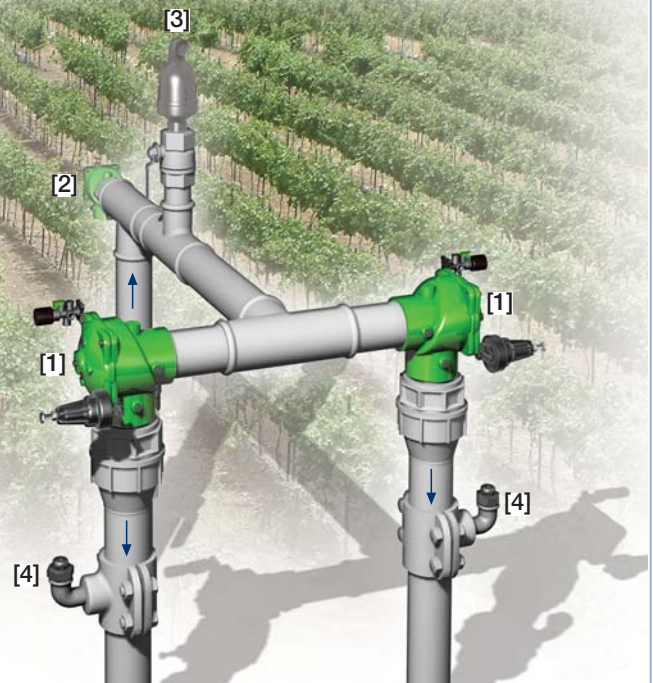
IR-420-55-KX

The BERMAD Pressure Reducing Valve with Solenoid Control is a 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 an electric signal.



### Features and Benefits

- Hydraulic Pressure Control with Solenoid Control
  - Line pressure driven
  - Protects downstream systems
  - Opens fully upon line pressure drop
  - Electrically 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
- Pressure Reducing Stations
- Systems Subject to Varying Supply Pressure
- Remote and/or Elevated Plots
- Distribution Centers

[1] BERMAD Model IR-420-55-KX opens in response to electric signals, and establishes reduced pressure zone protecting laterals and distribution line.

[2] BERMAD Relief Valve Model IR-43Q-K

[3] BERMAD Air Valve Model ARA-A-P-P

[4] BERMAD Vacuum Breaker Model 1/2"-ARV



# Pressure Reducing Valve

with solenoid control

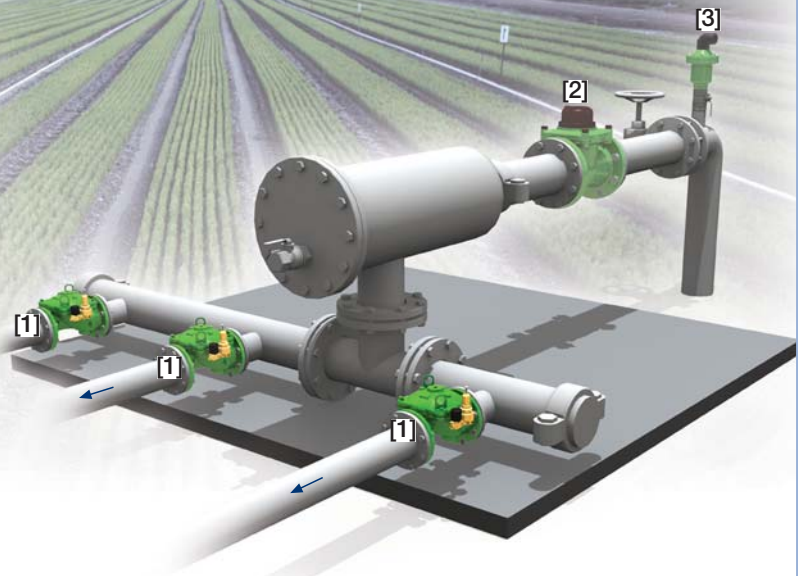
## IR-420-55-X

The BERMAD Model IR-420-55-X Pressure Reducing Valve with Solenoid Control is a 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. The BERMAD Model IR-420-55-X opens and shuts in response to an electric signal.



## Features and Benefits

- 3-Way Hydraulically Actuated PRV, Electrically Controlled On/Off
  - Protects downstream system
  - Opens fully upon line pressure drop
  - Wide range of pressures and voltages
  - Normally Open, Normally Closed or Last Position
- Advanced Globe Hydro-Efficient Design
  - Unobstructed flow path
  - Single moving part
  - High flow capacity
- Fully Supported & Balanced Diaphragm
  - Requires low opening and actuation pressure
  - Excellent low flow regulation performance
  - Progressively restrains valve closing
  - Prevents diaphragm distortion
- Simple in-line inspection and service



## Typical Applications

- Pressure Reducing Stations
- Flow and Leakage Reduction
- Systems Subject to Varying Supply Pressure
- Energy Saving Irrigation Systems
- Source and "On Duty" Valves Management
- Pressure Zone Isolation
- Downhill Supply Lines

- [1] BERMAD Model IR-420-55-X opens in response to an electric signal establishing reduces pressure zone.
- [2] BERMAD Water Meter Modle WPH
- [3] BERMAD Air Relief Valve Model ARC-A-I-I

