

## Pressure Reducing Valve

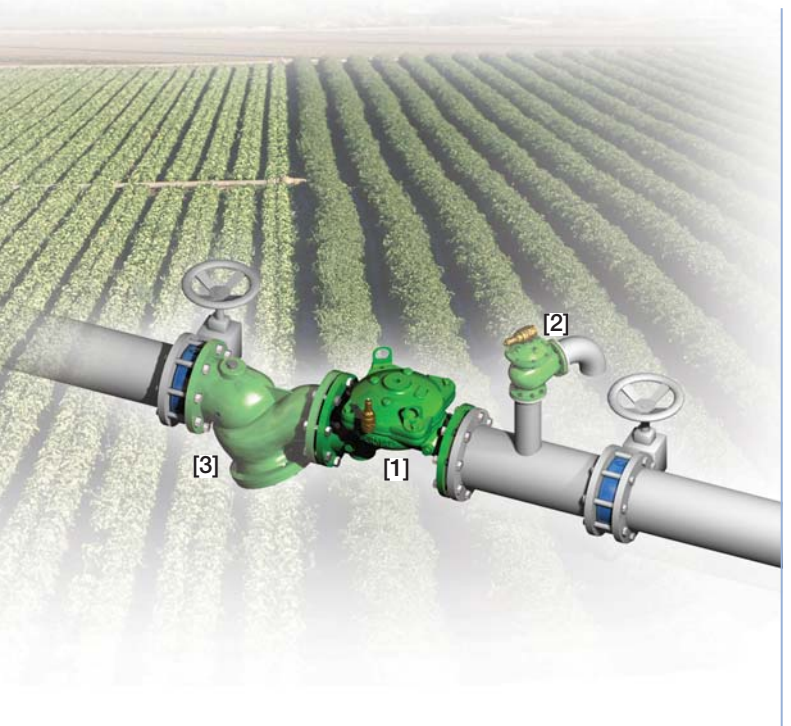
IR-420-XZ

The BERMAD Model IR-420-XZ Pressure Reducing Valve 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.



### Features and Benefits

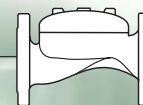
- 3-Way Hydraulically Actuated Pressure Reducing Valve
  - Protects downstream systems
  - Opens fully upon line pressure drop
- Advanced Globe Hydro-Efficient Design
  - Unobstructed flow path
  - Single moving part
  - High flow capacity
- Fully Supported & Balanced Diaphragm
  - Requires low actuation 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
  - Easy addition of control features



### Typical Applications

- Pressure Reducing Stations
- Flow and Leakage Reduction
- Systems Subject to Varying Supply Pressure
- Energy Saving Irrigation Systems
- Downhill Supply Lines
- Pressure Zoning
- System Maintenance Savings

- [1] BERMAD Model IR-420-XZ reduces line pressure, protecting downhill line and consumers.
- [2] BERMAD Pressure Relief Valve Model 73Q
- [3] BERMAD Strainer Model 70F



## Pressure Reducing Valve

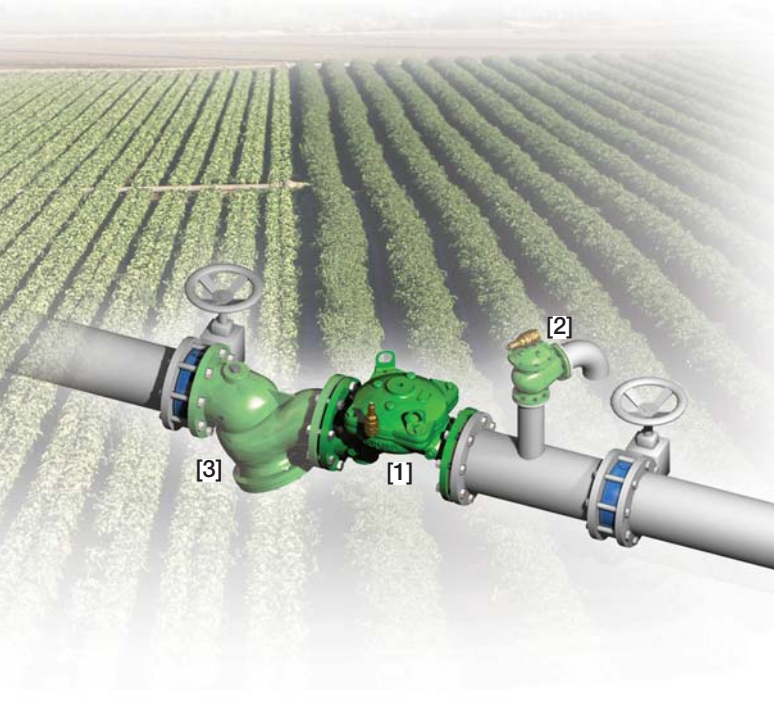
### IR-420

The BERMAD Model IR-420 Pressure Reducing Valve is a hydraulically operated, diaphragm actuated control valve that reduces higher upstream pressure to lower constant downstream pressure regardless of fluctuating demand or varying upstream pressure.



### Features and Benefits

- Line Pressure Driven Pressure Reducing Valve
  - Protects downstream systems
- 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
  - Easy addition of control features



### Typical Applications

- Pressure Reducing Stations
- Flow and Leakage Reduction
- Cavitation Damage Protection
- Pressure Zoning
- Downhill Supply Lines
- System Maintenance Savings

- [1] BERMAD Model IR-420 reduces line pressure, protecting downhill line and consumers.
- [2] BERMAD Pressure Relief Valve Model 73Q
- [3] BERMAD Strainer Model 70F

