

# Pressure Reducing Valve

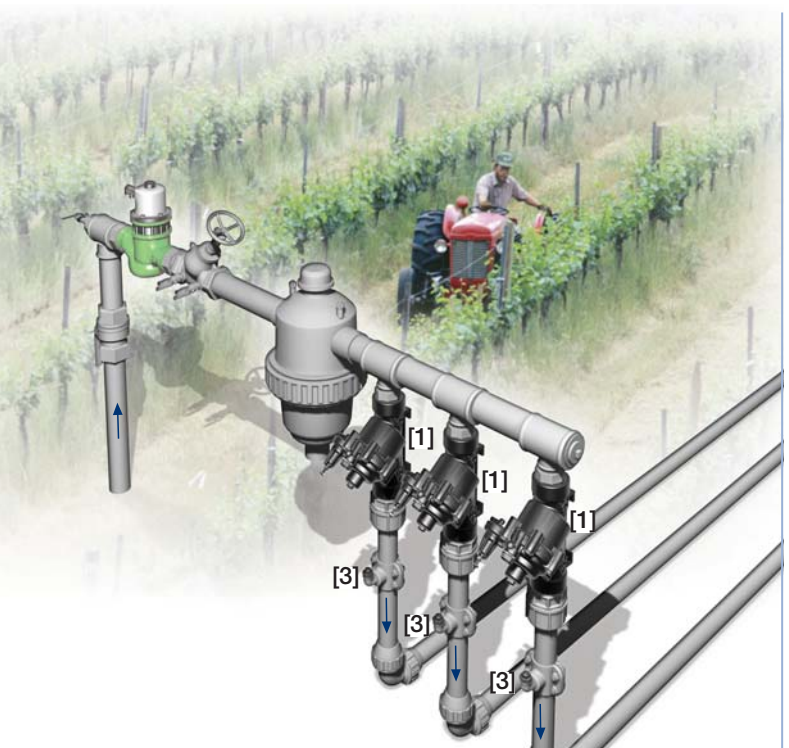
**IR-120-XZ**

The BERMAD Pressure Reducing Valve is a hydraulically operated, diaphragm actuated control valve that reduces higher upstream pressure to lower constant downstream pressure and opens fully upon line pressure drop.



## Features and Benefits

- Line pressure driven, Hydraulically Controlled
  - Protects downstream systems
  - Opens fully upon line pressure drop
- Engineered Plastic Valve with Industrial Grade Design
  - Highly durable, chemical and cavitation resistant
  - No internal bolts and nuts
- hYflow ‘Y’ Valve Body with “Look Through” Design
  - Ultra-high flow capacity – Low pressure loss
- Unitized Flexible Super Travel (FST) Diaphragm and Guided Plug
  - Accurate and stable regulation with smooth closing
  - Requires low opening and actuation pressure
  - Prevents diaphragm erosion and distortion
- Simple In-Line Inspection and Service



## Typical Applications

- Pressure Reducing Stations
- Systems Subject to Varying Supply Pressure
- Energy Saving Irrigation Systems

- [1] BERMAD Model IR-120-XZ establishes reduced pressure zone, protecting laterals and distribution line.
- [2] BERMAD Automatic Metering Valve Model IR-900-D0
- [3] BERMAD Vacuum Breaker Model ½”-ARV



# Pressure Reducing Valve

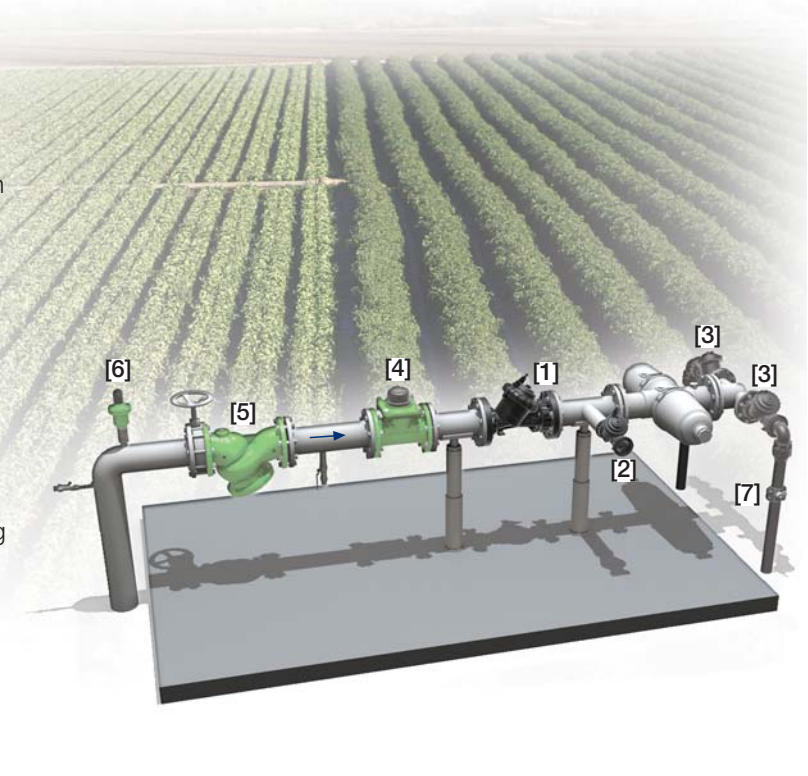
IR-120

The BERMAD 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

- Hydraulic Pressure Control
  - Line pressure driven
  - Protects downstream systems
- Engineered Plastic Valve with Industrial Grade Design
  - Adaptable on-site to a wide range of end connection sizes and types
  - Articulated flange connections eliminate mechanical and hydraulic stresses
  - Highly durable, chemical and cavitation resistant
- hYflow 'Y' Valve Body with "Look Through" Design
  - Ultra-high flow capacity - Low pressure loss
- Unitized Flexible Super Travel (FST) Diaphragm and a Guided Plug
  - Accurate and stable regulation with smooth closing
  - Requires low actuation pressure
  - Prevents diaphragm erosion and distortion
- User-Friendly Design
  - Easy pressure setting
  - Simple in-line inspection and service



## Typical Applications

- Pressure Reducing Stations
- Low Supplied Pressure Irrigation Systems
- Energy Saving Irrigation Systems

- [1] BERMAD Model IR-120 establishes reduced pressure zone, protecting filter and system.
- [2] BERMAD Relief Valve Model IR-13Q
- [3] BERMAD On/Off Valve Model IR-105-Z
- [4] BERMAD Water Meter Model WPH
- [5] BERMAD Strainer Model 70F
- [6] BERMAD Air Valve Model ARC-A-I-I
- [7] BERMAD Vacuum Breaker Model 1/2" ARV

