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
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

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[1] BERMAD Model IR-120 establishes reduced pressure zone, protecting filter and system,
[2] BERMAD Relief Valve Model IR-13Q
[4] BERMAD Water Meter Model WPH
[5] BERMAD Strainer Model 70F
[7] BERMAD Vacuum Breaker Model ½" ARV