## **BERMAD** Irrigation



100 Series hYflow

Pressure Reducing & Sustaining

# Pressure Reducing and Sustaining Valve

#### **IR-I23-XZ**

The BERMAD Model IR-123-XZ is a hydraulically operated, diaphragm actuated control valve that sustains minimum preset upstream (back) pressure and reduces downstream pressure to a constant preset maximum.



#### Features and Benefits

- Line Pressure Driven, Hydraulically Controlled
  - Protects downstream system
  - Prioritizes pressure zones
  - Controls system fill-up
- 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
- User-Friendly Design
  - Easy pressure setting
  - Simple in-line inspection and service



### **Typical Applications**

- Line Fill-Up Control Solutions
- Line Emptying Prevention
- Pressure Reducing Systems
- Infield Filter Backwash Pressure Sustaining
- Energy Saving Irrigation Systems

- [1] BERMAD Model IR-123-XZ sustains supply system pressure, and establishes reduced higher pressure zone.
- [2] BERMAD Solenoid Controlled Valve Model 210-N1
- [3] BERMAD Pressure Reducer Model 11/2-PRV
- [4] BERMAD Vacuum Breaker Model 1/2"-ARV

