

# Pressure Reducing and Sustaining Hydrometer

## Magnetic Drive

### IR-923-M0-KXZ

The BERMAD Model IR-923-M0-KXZ integrates a vertical turbine Woltman-type water meter with a diaphragm actuated hydraulic control valve. Serving as Flow Meter and Main Valve, it controls irrigation together with the irrigation controller. The BERMAD Hydrometer sustains minimum preset upstream (back) pressure and reduces downstream pressure to a constant preset maximum.

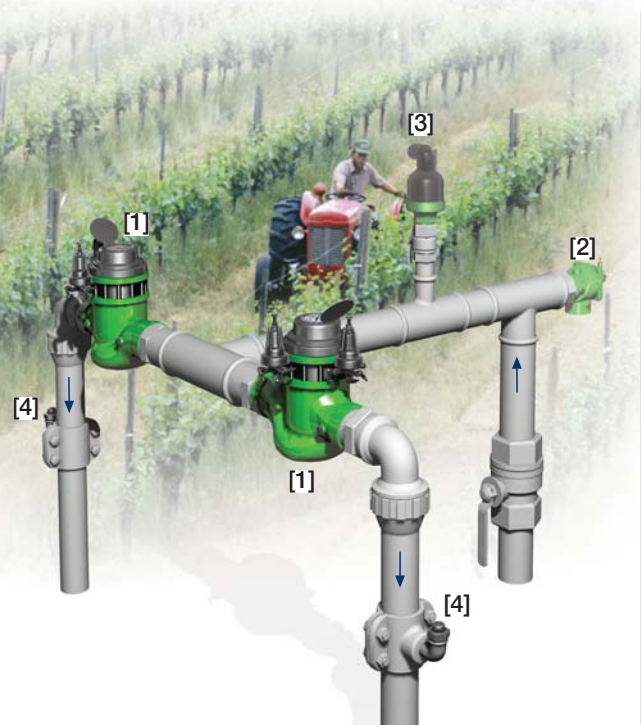


## Features and Benefits

- Integrated "All-in-One" Control Valve
  - Saves space, cost and maintenance
- Line Pressure Driven, Hydraulically Controlled
  - Protects downstream system
  - Prioritizes pressure zones
  - Controls system fill-up
- Magnetic Drive with Vacuum-Sealed Register
  - Water-free gear train mechanism
  - Reed-switch and Opto pulse-generating modes
  - Various pulse combinations
- Internal Inlet & Outlet Flow Straighteners
  - Saves on straightening distances
  - Maintains accuracy
- Integrated Flow Metering Calibration Device
- User-Friendly Design
  - Easy pressure setting
  - Simple in-line inspection and service

## Typical Applications

- Computerized Irrigation Systems
- Remote Flow Data Read-Out
- Flow Monitoring & Leakage Control
- Line Fill-Up Control Solutions
- Line Emptying Prevention
- Pressure Reducing Systems
- Systems Subject to Varying Supply Pressure



- [1] BERMAD Model IR-923-M0-KXZ sustains supply system pressure, prevents system emptying, protects lines and laterals, and measures flow.
- [2] BERMAD Relief Valve Model IR-43Q-R
- [3] BERMAD Air Valve Model ARC-A-P-I
- [4] BERMAD Vacuum Breaker Model 1/2" -ARV