

# Flow Control and Pressure Reducing Hydrometer

## Magnetic Drive

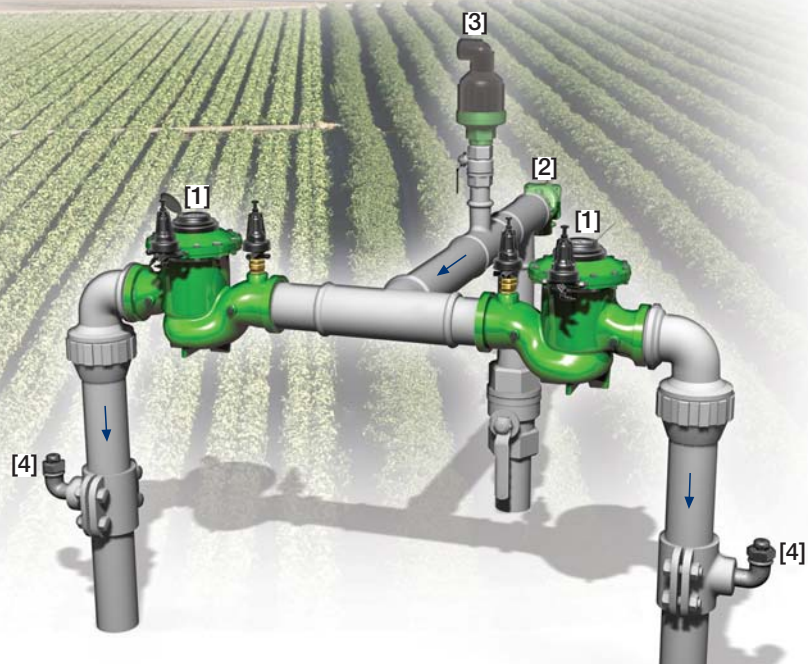
**IR-972-M0-KVZ**

The BERMAD Model IR-972-M0-KVZ 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 limits demand and reduces downstream pressure to constant preset maximum values.



### Features and Benefits

- Integrated "All-in-One" Control Valve
  - Saves space, cost and maintenance
- Line Pressure Driven, Hydraulically Controlled
  - Limits fill-up rate and consumer over-demand
  - Protects downstream system
- 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
- Paddle-Type Hydro-Mechanical Flow Pilot
  - No added head loss
  - Wide setting range
- 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
- Pressure Reducing Systems
- Multiple Independent Consumer Systems

- [1] BERMAD Model IR-972-M0-KVZ limits over-demand, controls laterals and distribution line fill-up while reducing pressure, 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

