

Hydrometer

with Magnetic Drive

IR-900-M0-Z

The BERMAD Hydrometer with Magnetic Drive integrates a vertical turbine Woltman-type water meter with a diaphragm actuated hydraulic control valve. The impeller drive is magnetically coupled to a vacuum-sealed meter register in the control head. Serving as Flow Meter and Main Valve, the BERMAD Model IR-900-M0-Z controls irrigation together with the irrigation controller. It opens and shuts in response to remote hydraulic commands or locally by its manual selector.



Features and Benefits

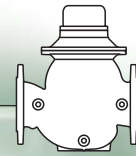
- Integrated "All-in-One" Control Valve
 - Saves space, cost and maintenance
- Hydraulically Controlled Hydrometer
 - Line pressure driven
- Magnetic Drive with Vacuum-Sealed Register
 - Water-free gear train mechanism
 - Reed-switch and Opto pulse-generating modes
 - Various pulse combinations
- Internal Inlet & Outlet Flow Straighteners
 - Saves on straightening distances
 - Maintains accuracy
- Integrated Flow Metering Calibration Device
 - Precise measurement
- User-Friendly Design
 - Simple in-line inspection and service



Typical Applications

- Computerized Irrigation Systems
- Distribution Centers
- Remote Flow Data Read-Out
- Flow Monitoring & Leakage Control
- Water Treatment Systems
- Volumetric Irrigation Systems

- [1] BERMAD Model IR-900-M0-Z 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



Hydrometer

with Magnetic Drive

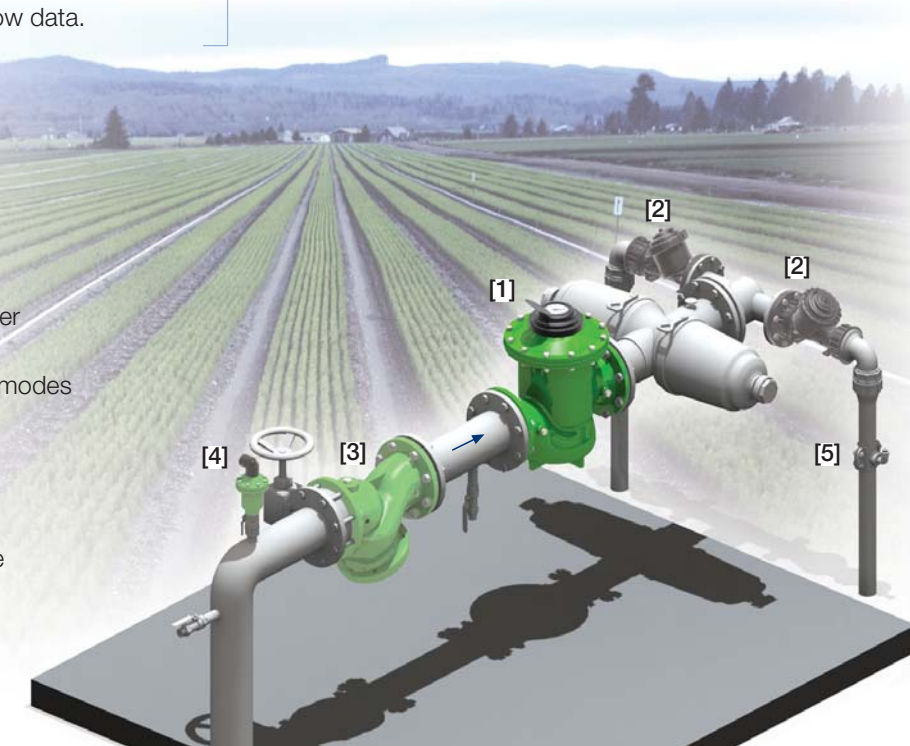
IR-900-M0-Z

The BERMAD Hydrometer with Magnetic Drive integrates a vertical turbine Woltman-type water meter with a diaphragm actuated hydraulic control valve. The impeller drive is magnetically coupled to a vacuum-sealed meter register in the control head. As the system's Flow Meter and Main Valve, it controls system irrigation together with the irrigation controller. The BERMAD Model IR-900-M0-Z opens or shuts in response to remote pressure commands while continuously and accurately transmitting flow data.



Features and Benefits

- Integrated "All-in-One" Control Valve
 - Saves space, cost and maintenance
- Hydraulically Controlled Hydrometer
 - Line pressure driven
- Magnetic Drive with Vacuum-Sealed Register
 - Water-free gear train mechanism
 - Reed-switch and Opto pulse-generating modes
 - Varios pulse combinations
- Internal Inlet & Outlet Flow Straighteners
 - Saves on straightening distances
 - Maintains accuracy
- Integrated Flow Metering Calibration Device
 - Precise measurement
- User-Friendly Design
 - Simple in-line inspection and service



Typical Applications

- Computerized Irrigation Systems
- Distribution Centers
- Remote Flow Data Read-Out
- Flow Monitoring & Leakage Control
- Water Treatment Systems
- Volumetric Irrigation Systems

- [1] BERMAD Model IR-900-M0-Z, Opens upon local manual command, measuring the flow
- [2] BERMAD On/Off Valve Model IR-105-Z
- [3] BERMAD Strainer Model 70F
- [4] BERMAD Air Valve Model ARA-A-I-I
- [5] BERMAD Vacuum Breaker Model 1/2" - ARV

