



Pressure Reducing Hydrometer

Magnetic Drive
Normally Closed with Hydraulic Control

IR-920-M0-54-R

The BERMAD Model IR-920-M0-54-R integrates a vertical turbine Woltman-type water meter with a diaphragm actuated hydraulic control valve. As the system's Flow Meter and Main Valve, it controls system irrigation together with the irrigation controller. The BERMAD Hydrometer reduces downstream pressure to a constant preset maximum. It is a Normally Closed Hydrometer, which opens in response to a pressure rise command.



Features and Benefits

- Integrated "All-in-One" Control Valve
 - Saves space, cost and maintenance
- Hydraulic Pressure Control, Normally Closed
 - Closes upon control failure
 - Protects downstream systems
 - Amplifies and relays weak remote command
- 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
 - Easy pressure setting
 - Simple in-line inspection and service

Typical Applications

- Computerized Irrigation Systems
- Remote Flow Data Read-Out
- Flow Monitoring & Leakage Control
- Remote and/or Elevated Plots
- Pressure Reducing Systems
- Distribution Centers
- Irrigation Machines



- [1] BERMAD Model IR-920-M0-54-R opens upon command pressure rise (N.C.), establishing reduced pressure zones and measuring the flow
- [2] BERMAD Hydraulic Main Valve Model IR-405-54-R
- [3] BERMAD Air Valve Model ARC-A-I-I