



Pressure Reducing and Sustaining Hydrometer

Magnetic Drive with Hydraulic Control

IR-923-M0-50-R

The BERMAD Model IR-923-M0-50-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 irrigation together with the irrigation controller. The BERMAD Hydrometer sustains the preset minimum upstream pressure; reduces downstream pressure to a constant preset maximum, and either opens or shuts in response to remote pressure commands.



Features and Benefits

- Integrated "All-in-One" Control Valve
 - Saves space, cost and maintenance
- Line Pressure Driven, Hydraulically Controlled On/Off
 - 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
 - Simple in-line inspection and service

Typical Applications

- Computerized Irrigation Systems
- Flow Monitoring & Leakage Control
- Line Fill-Up Control
- Line Emptying Prevention
- Pressure Reducing Stations
- Filter Stations
- Irrigation Machines



- [1] BERMAD Model IR-923-M0-50-R opens upon pressure drop command, sustains filters back flush pressure and establishes reduced pressure zone.
- [2] BERMAD Relief Valve Model IR-43Q-R
- [3] BERMAD N.C. Main Valve Model IR-405-54-R