

# Pressure Sustaining Hydrometer

Magnetic Drive with Solenoid Control

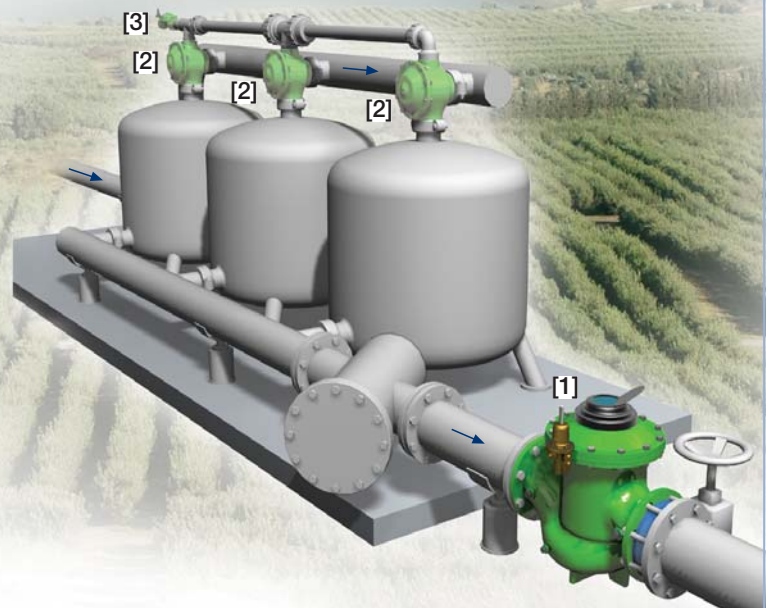
IR-930-M0-55-R

The BERMAD Model IR-930-M0-55-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 minimum preset upstream (back) pressure regardless of fluctuating flow or varying downstream pressure. It either opens or shuts in response to an electric signal.



## Features and Benefits

- Integrated "All-in-One" Control Valve
  - Saves space, cost and maintenance
- Line Pressure Driven, Electrically Controlled On/Off
  - 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
- Distanced and/or Elevated Plots
- Flow Monitoring & Leakage Control
- Line Fill-Up Control
- Line Emptying Prevention
- Filter Stations
- Irrigation Machines

[1] BERMAD Model IR-930-M0-55-R opens in response to an electric signal, and sustains filters back flush pressure controlling system fill-up.

[2] BERMAD Backwash Valve Model IR-3x2 350-A-I

[3] BERMAD Backwash Flow Control Valve Model IR-470-beKU