

# Pressure Reducing and Sustaining Hydrometer

Magnetic Drive, Normally Closed with Hydraulic Control

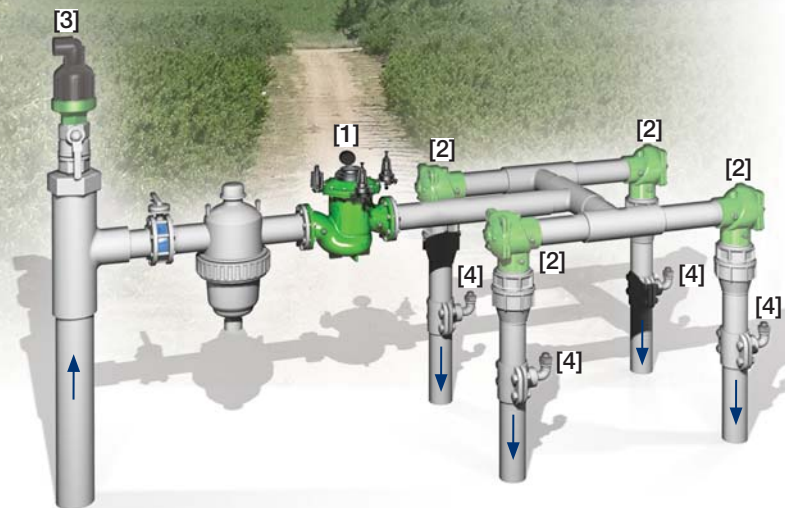
### IR-923-M0-54-KX

The BERMAD Model IR-923-M0-54-KX 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 sustains minimum preset upstream (back) pressure and reduces downstream pressure to a constant preset maximum. It is a Normally Closed Hydrometer, which opens in response to a pressure rise command and shuts in the absence of that command.



## Features and Benefits

- Integrated "All-in-One" Control Valve
  - Saves space, cost and maintenance
- Line pressure driven, Normally Closed
  - Closes upon control failure
  - Protects downstream system
  - Prioritizes pressure zones
  - Amplifies and relays weak remote command
- 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
- Simple In-Line Inspection and Service



## Typical Applications

- Computerized Irrigation Systems
- Flow Monitoring & Leakage Control
- Remote and/or Elevated Plots
- Line Fill-Up Control Solutions
- Pressure Reducing Systems
- Infield Filter Backwash Pressure Sustaining

- [1] BERMAD Model IR-923-M0-54-KX opens upon pressure rise command, sustains supply pressure, protects downstream systems, and measures flow.
- [2] BERMAD On/Off Control Valve Model IR-405-Z
- [3] BERMAD Air Valve Model ARC-A-P-I
- [4] BERMAD Vacuum Breaker Model 1/2"-ARV

