

# Pressure Reducing Hydrometer

Magnetic Drive with Solenoid Control

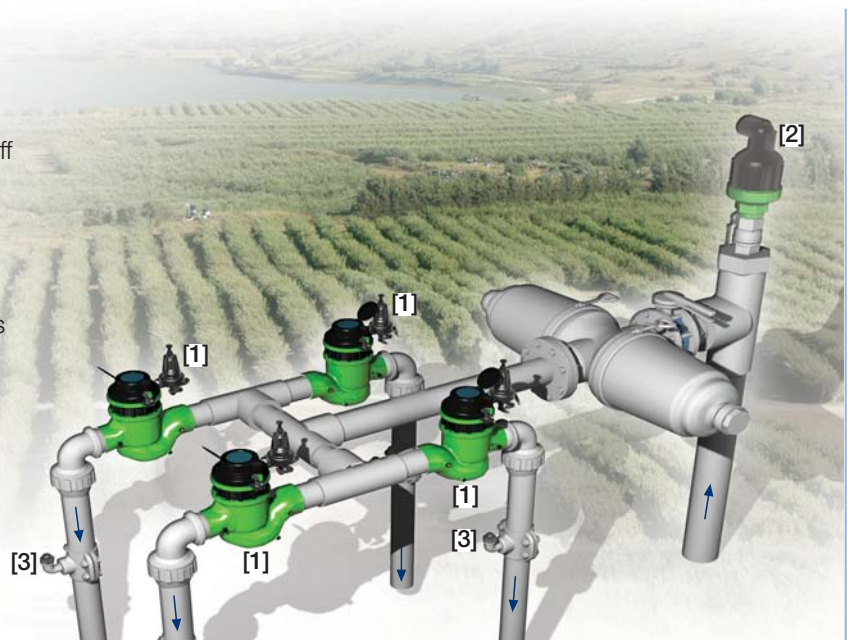
### IR-920-M0-55-KX

The BERMAD Model IR-920-M0-55-KX integrates a vertical turbine Woltman-type water meter and a diaphragm actuated hydraulic control valve. Serving as Flow Meter and Main Valve, it controls irrigation together with the irrigation controller. The BERMAD Hydrometer reduces higher upstream pressure to lower constant downstream pressure and opens fully upon line pressure drop. 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
  - Protects downstream systems
  - Opens fully upon line pressure drop
- 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
- Remote Flow Data Read-Out
- Flow Monitoring & Leakage Control
- Remote and/or Elevated Plots
- Pressure Reducing Stations
- Systems Subject to Varying Supply Pressure
- Distribution Centers

[1] BERMAD Model IR-920-M0-55-KX opens in response to electric signals establishes reduced pressure zone, and controls irrigation shifts.

[2] BERMAD Air Valve Model ARC-A-P-I

[3] BERMAD Vacuum Breaker Model 1/2" -ARV