

# Automatic Metering Valve (AMV)

for Sequential Irrigation

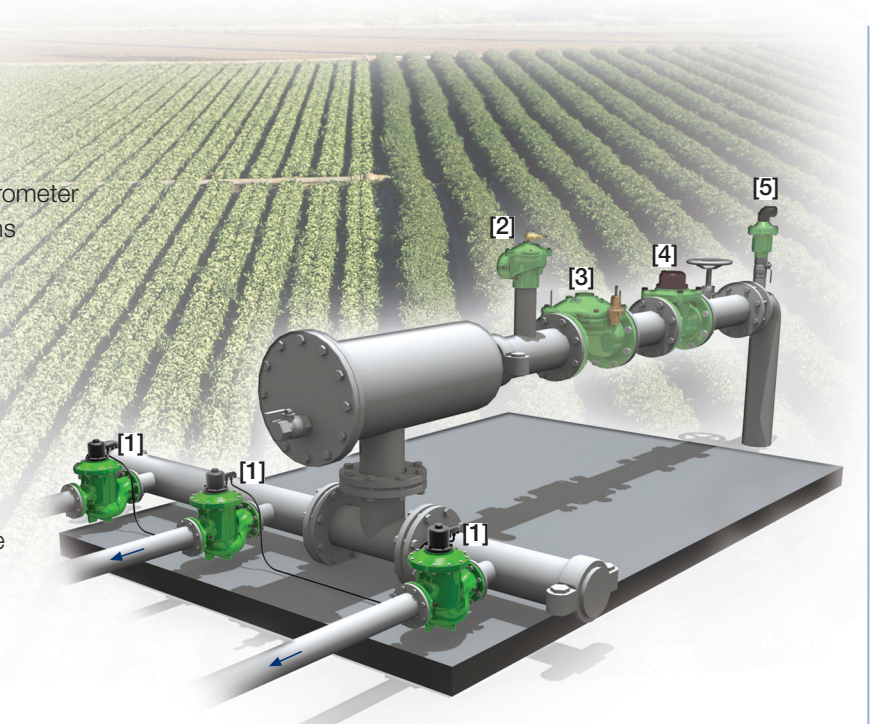
IR-900-E2

The BERMAD Automatic Metering Valve for Sequential Irrigation integrates a vertical turbine Woltman-type water meter with a diaphragm actuated hydraulic control valve, equipped with a mechanical sequential shut-off pilot. The BERMAD IR-900-E2 automatically shuts itself after accurately delivering a preset quantity of water. Working in a group of manually preset AMV's connected to each other by a control tube and operating in sequence, it enables semi-automatic irrigation in non-computerized systems.



## Features and Benefits

- Integrated “All-in-One” Control Valve
  - Saves space, cost and maintenance
- Easy Modification to Mechanical Drive Hydrometer
  - Adaptable to future computerized systems
- Hydraulic Batch & Sequence Control
  - Line pressure driven
  - Hydraulic irrigation shift sequencing
  - Non-computerized quantity follow-up and control
- Internal Inlet & Outlet Flow Straighteners
  - Saves on straightening distances
  - Maintains accuracy
- Integrated Flow Metering Calibration Device
  - Measurement precision to  $\pm 2\%$
- User-Friendly Design
  - Easy dose setting
  - Simple in-line inspection and service



## Typical Applications

- Semi-Automatic Irrigation
- Hydraulic Irrigation Shift Sequencing
- Manual Irrigation Intended for Computerization
- Remote and/or Elevated Systems
- Volumetric Irrigation Systems

- [1] BERMAD Model IR-900-E2 sequences irrigation shifts.
- [2] BERMAD Relief Valve Model IR-43Q-A
- [3] BERMAD Pressure Reducing Valve Model IR-420-00-R
- [4] BERMAD Water Meter Model WPH
- [5] BERMAD Air Valve Model ARA-A-I-I





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