

## Pressure Reducing and Sustaining Automatic Metering Valve (AMV)

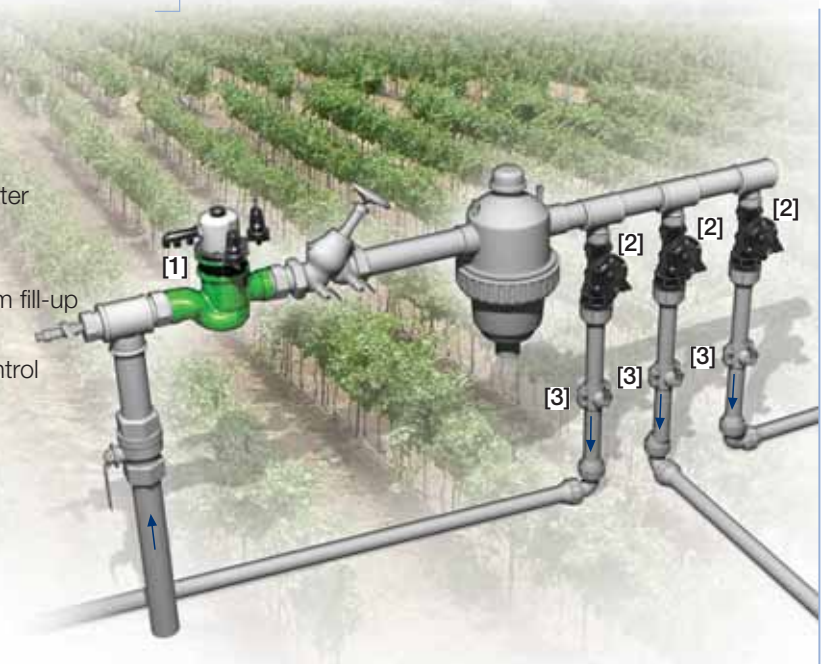
IR-923-D0-KX

The BERMAD Model IR-923-D0-KX integrates a vertical turbine Woltman-type water meter with a diaphragm actuated hydraulic control valve. Equipped with a Mechanical Shut-Off Pilot, a Pressure Sustaining Pilot and a Pressure Reducing Pilot, the BERMAD AMV sustains minimum preset upstream (back) pressure and reduces downstream pressure to a constant preset maximum. It automatically shuts itself after accurately delivering a preset quantity of water.



### 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 Pressure and Batch Control
  - Prioritizes pressure zones and Controls system fill-up
  - Protects downstream system
  - 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 pressure and dose setting
  - Simple in-line inspection and service



### Typical Applications

- Semi-Automatic Irrigation Systems
- Manual Irrigation Intended for Computerization
- Line Fill-Up Control Solutions
- Systems Subject to Varying Supply Pressure
- Pressure Reducing Systems
- Volumetric Irrigation Systems

[1] BERMAD Model IR-923-D0-KX sustains supply system pressure, protects filter and downstream system, and delivers precise water quantity.

[2] BERMAD Pressure Reducing Valve Model IR-220-bZ

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

