

Pressure Reducing and Sustaining Automatic Metering Valve (AMV)

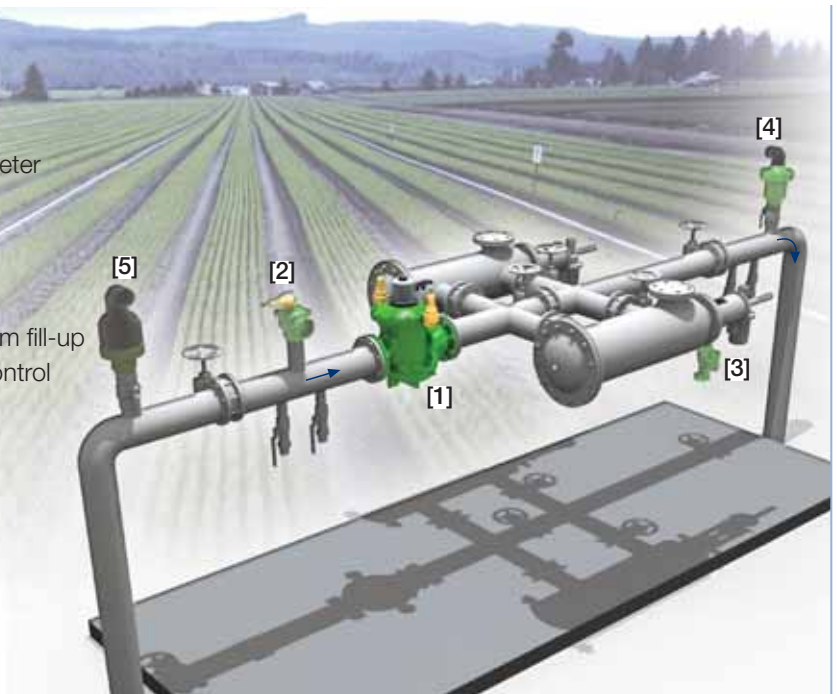
IR-923-D2-R

The BERMAD Model IR-923-D2-R integrates a vertical turbine Woltman-type water meter with a diaphragm actuated hydraulic control valve. The BERMAD AMV performs three independent functions. It sustains the preset minimum upstream pressure; it reduces downstream pressure to a constant preset maximum, and 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 & Batch Control
 - Protects downstream systems
 - Line pressure driven
 - Sustains supply pressure and Controls system fill-up
 - 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-level and dose setting
 - Simple in-line inspection and service



Typical Applications

- Semi-Automatic Irrigation
- Manual Irrigation Intended for Computerization
- Pressure Zone Prioritizing
- Line Fill-Up Control
- Pressure Reducing Systems
- Filter Stations
- Volumetric Irrigation Systems

- [1] BERMAD Model IR-923-D2-R sustains filter back flush pressure, reduces system pressure, and delivers precise water quantity
- [2] BERMAD Model IR-43Q-R
- [3] BERMAD Model IR-405
- [4] BERMAD Air Valve Model ARC-A-I-I
- [5] BERMAD Air Valve Model ARC-A-P-I

