



Micro Irrigation for Smallholders

A Holistic, High-Efficiency Irrigation Solution

BERMAD delivers an advanced, fully integrated irrigation system designed to maximize crop quality and yield while optimizing water and nutrient usage.

Suitable for plots of any shape and topography, BERMAD's solution offers the flexibility and intelligence to meet your needs.

Tailored to Fit Your Field

Choose between a single-valve setup or a complete system head with multiple valves, customized to your crop type and field layout.

This modular approach gives you full control and scalability as your needs evolve.



Smarter Control, Better Results

Achieve precise irrigation and fertigation management with BERMAD's intelligent system:

- **Automated pump activation**
- **Fertilizer injector control**
- **Proportional fertigation**

All working together to deliver consistent growth, optimal results, and resource savings.

Why BERMAD?

- **Compact & Flexible Installation** – Fits easily into any layout
- **Protects Your Drip Lines** – Keeps emitters efficient
- **Optimal Pressure Management** – Ensures uniform water distribution
- **Vacuum Protection** – Prevents damage to emitters and pipes
- **Low Maintenance** – Giving farmers peace of mind and long-term reliability



21T
2-Way Solenoid
Controlled Valve

Hydraulically operated, diaphragm-actuated valve with internal feed & bleed loop. Features a Trio manual override for Open/Auto/Close modes. Opens and closes drip-tight via electric signal.



K10-P
Kinetic Air Valve

Provides high-capacity air release and intake for pipeline filling and drainage. Aerodynamic kinetic design enhances vacuum protection and sealing at low pressures.



IR-22T-55-2W
Pressure Reducing Valve
with Solenoid

Pressure Reducing Valve with integrated pilot with high-resolution dial for easy calibration included 2W electric solenoid.



IR-920-ME-55-bK
Pressure Reducing
Hydrometer with Solenoid

Combines a Woltman-type flow meter with a hydraulic valve. Ensures precise pressure reduction and accurate flow measurement. Operates via electric signal with irrigation controller.



Omega
Cloud-Based
Irrigation Controller

Battery-operated smart controller with BERMAD Cloud and mobile app access. Designed for efficient remote irrigation by time or by volume and accurate proportional Fertigation.



IR-110-DC-X
Double-Chambered
Solenoid Valve

Diaphragm-actuated, double-chambered valve for fast, drip-tight electric control. Perfectly adapted for precise work even in changing conditions including low pressures and low water flow.



IR-C10-P
Combination Air Valve

Evacuates air during filling, releases pressurized air pockets, and admits air during drainage. Advanced double-orifice design ensures reliable low-pressure sealing and vacuum protection.

About BERMAD

BERMAD is a leading, privately-owned global company that designs, develops and manufactures tailor-made water & flow management solutions that include state-of-the-art hydraulic control valves, air valves and advanced metering solutions.

Founded in 1965, we have spent over 60 years interacting with the world's major end users,

and accumulating knowledge and experience in multiple markets and industries. Today, we are recognized as a pioneer and established world-leading provider of water & flow management solutions that give our customers the unprecedented operational efficiency, and superior quality, durability, and performance they need to meet the demanding challenges of the 21st century.

