

Flow Control Valve

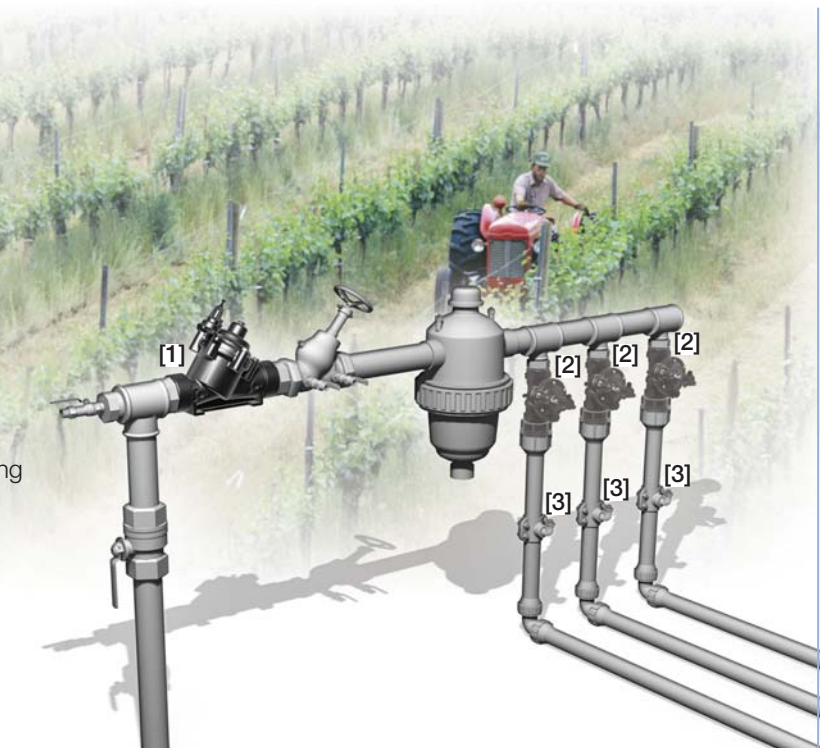
IR-170-bDZ

The BERMAD Flow Control Valve is a hydraulically operated, diaphragm actuated control valve that limits system demand to a constant preset maximum flow rate.



Features and Benefits

- Line Pressure Driven Hydraulic Flow Control
 - Limits fill-up rate and consumer over-demand
- Adjustable Servo Flow Pilot Controlled
 - Dynamic integrated needle valve
 - Easy flow setting
- Engineered Plastic Valve with Industrial Grade Design
 - Highly durable, chemical and cavitation resistant
 - No internal bolts and nuts
- hYflow 'Y' Valve Body with "Look Through" Design
 - Ultra-high flow capacity - Low pressure loss
- Unitized Flexible Super Travel (FST) Diaphragm and Guided Plug
 - Accurate and stable regulation with smooth closing
 - Requires low actuation pressure
 - Prevents diaphragm erosion and distortion
- Internal "Differential Pressure Duct" Flow Sensor
 - No moving parts
 - Saves space and simplifies installation



Typical Applications

- Line Fill-Up Control
- Multiple Independent Consumer Systems
- Systems Subject to Varying Supply Pressure
- Distribution Centers

[1] BERMAD Model IR-170-bDZ protects supply system from excessive flow, and limits fill-up rate and consumer over-demand.

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

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