

Pressure Reducing and Sustaining Valve

IR-423

The BERMAD Model IR-423 Pressure Reducing and Sustaining Valve is a hydraulically operated, diaphragm actuated control valve with two independent functions. It sustains minimum preset upstream pressure regardless of fluctuating flow or varying downstream pressure, and it prevents downstream pressure from rising above maximum preset regardless of fluctuating flow or excessive upstream pressure.

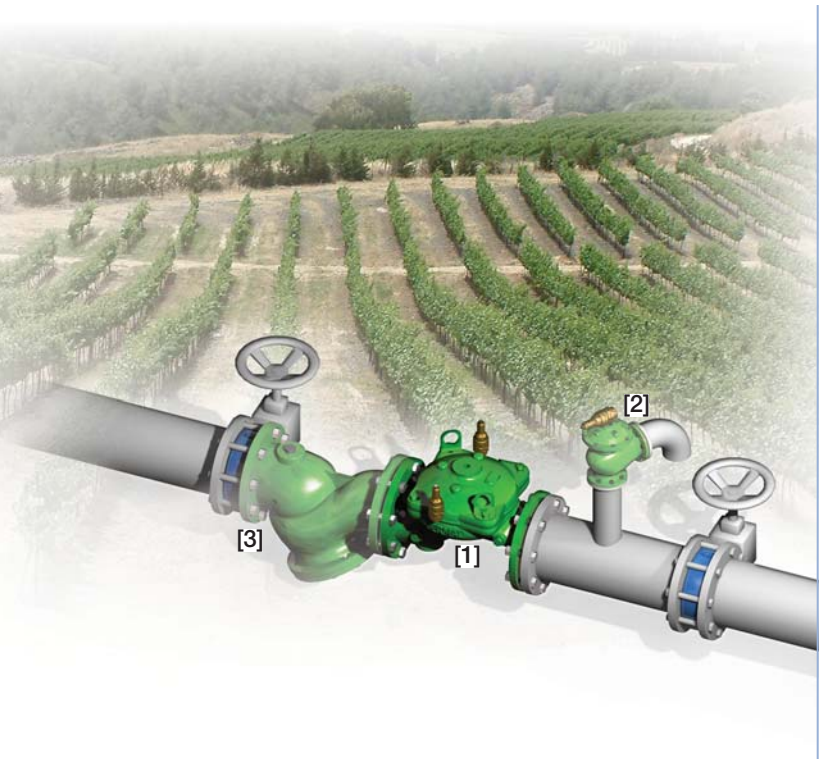


Features and Benefits

- Line Pressure Driven PRV and PSV
 - Prioritizes higher pressure zones
 - Protects lower pressure zones
 - Controls system fill-up
 - Prevents pipeline emptying
 - Protects pump from overload and cavitation
 - Compensates during groundwater drawdown
- Advanced Globe Hydro-Efficient Design
 - Unobstructed flow path
 - Single moving part
 - High flow capacity
- Fully Supported & Balanced Diaphragm
 - Requires low actuation pressure
 - Excellent low flow regulation performance
 - Progressively restrains valve closing
 - Prevents diaphragm distortion
- User Friendly Design
 - Easy pressure setting
 - Simple in-line inspection and service

Typical Applications

- Downhill Supply Lines
 - Emptying Prevention
 - Higher Pressure Zone Prioritizing
 - Lower Pressure Zone Protection
- Line Fill-Up Control
- Pump Overload and Cavitation Protection
- Deep Well Pump Drawdown Compensation



[1] BERMAD Model IR-423 prioritizes higher pressure zone, protects lower pressure zone, controls system fill-up, and prevents line emptying.

[2] BERMAD Relief Valve Model 73Q

[3] BERMAD Strainer Model 70F