



Pressure Relief/Sustaining Valve

IR-430

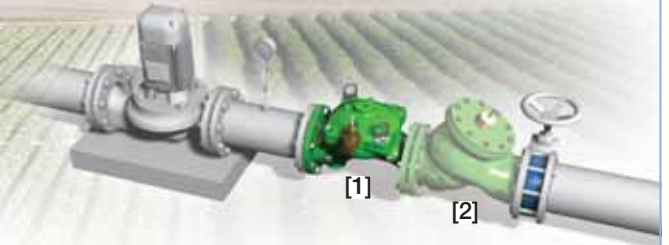
The BERMAD Model IR-430 Pressure Relief/Sustaining Valve is a hydraulically operated, diaphragm actuated control valve that can fulfill either of two separate functions. When installed in-line, it sustains minimum preset upstream (back) pressure regardless of fluctuating flow or varying downstream pressure. When installed as a relief or circulation valve, it relieves line pressure in excess of preset.



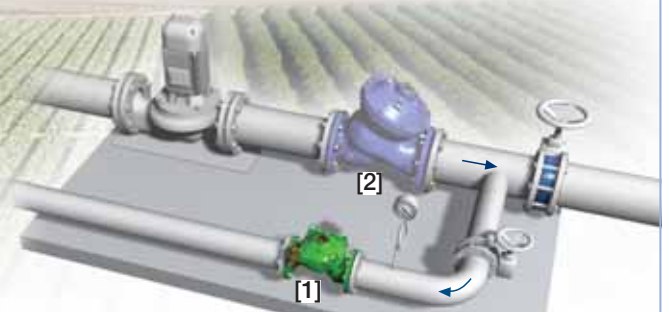
Features and Benefits

- Line Pressure Driven Pressure Relief/Sustaining Valve
 - Controls system fill-up
 - Sustains upstream line pressure
 - Relieves excessive pressure protecting pump and system
 - Prioritizes pressure zones
- Advanced Globe Hydro-Efficient Design
 - Unobstructed flow path
 - Single moving part
 - High flow capacity
- Fully Supported & Balanced Diaphragm
 - Requires low opening and 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

Pressure Sustaining Valve



Circulation / Relief Valve



Typical Applications

- Downhill Supply Lines Emptying Prevention
- Pressure Zone Prioritizing
- Line Fill-Up Control
- Pump Overload and Cavitation Protection
- Pump Minimum Flow Safeguard
- Excessive Line Pressure Protection

Pressure Sustaining Valve

- [1] BERMAD Model IR-430 protects pump from overload and cavitation, prevents main line emptying, and controls system fill-up.
- [2] BERMAD Check Valve Model 70N

Circulation / Relief Valve

- [1] BERMAD Model IR-430 safeguards pump minimum flow and relieves excessive line pressure.
- [2] BERMAD Active Check Valve Model 740Q

