

# Mark 50HP

**Brand:** Jordan Valve



## Short Description

High Pressure Back Pressure Regulator; Up to 450 psi (31 bar); 1/4" - 4" (DN8 - DN100)  
The Mark 50HP Series high pressure back pressure regulator delivers precise upstream pressure control up to 450 psi, giving you the capability to manage challenging process conditions without compromising safety or performance. The robust large spring design ensures consistent setpoint control even in fluctuating high-pressure environments, protecting upstream equipment from damaging pressure surges that could lead to catastrophic failures or unplanned shutdowns.

## Description

**Dependable Operation When You Need It Most:** The elongated spring housing isn't just about accommodating higher pressures – it's about providing the mechanical advantage needed for stable, repeatable control. Your operators can trust that the setpoint they dial in today will be the same tomorrow, eliminating process drift and reducing the need for constant adjustments. The sliding gate seats' normally closed position provides fail-safe protection, ensuring your system defaults to a safe state during power loss or instrument air failure. **Simplified Maintenance in High-Pressure Service:** High-pressure applications typically mean more wear, more frequent service, and higher stakes when something goes wrong. The Mark 50HP's straightforward spring-loaded design means your maintenance team can perform adjustments and service without specialized training or tools. The robust construction handles the stress of high-pressure cycling without the premature wear common in complex pilot-operated systems, extending intervals between major overhauls. **What This Means for Your Operation:** Protect critical upstream equipment from over-pressure damage Maintain consistent product quality through stable pressure control Reduce safety incidents with reliable, fail-safe operation Minimize maintenance

complexity in challenging high-pressure applications Achieve true “set it and forget it” operation for improved productivity The Mark 50HP Series combines the proven Jordan sliding gate technology with purpose-built high-pressure capability, delivering the reliability your critical processes demand.