

# Mark 51

**Brand:** Jordan Valve



## Short Description

Large diaphragm, 1/4" - 3/4" size range The Mark 51 Series high temperature back pressure regulator delivers reliable back pressure regulation across your entire facility's fluid systems – from high-temperature steam lines to corrosive chemical processes. Whether you're managing water utilities, oil circulation systems, compressed air networks, or specialty gas applications, one valve design handles them all. This versatility means simplified spare parts inventory, consistent maintenance procedures across different services, and reduced training requirements for your team.

## Description

**Superior Flow Capacity with Precision Control** The Mark 51's excellent flow capacity ensures you won't sacrifice throughput for control accuracy. The sliding gate trim technology provides the rapid response needed to prevent costly over-pressure events that could damage upstream equipment or trigger safety shutdowns. Unlike traditional globe-style regulators that struggle with varying flow conditions, the Mark 51 maintains precise control whether you're at 10% or 90% of capacity.

**Enhanced Sensitivity for Critical Process Control** The larger diaphragm design delivers exceptional sensitivity to pressure changes, catching and correcting minor fluctuations before they become process upsets. This enhanced responsiveness means tighter pressure control bands, more consistent product quality, and reduced wear on upstream equipment from pressure cycling. In applications where even small pressure variations matter – such as reactor feeds or precision dosing systems – this sensitivity translates directly to improved process performance.

**Benefits:** Reduced equipment damage from over-pressure protection across diverse services  
Lower inventory costs with one valve style for multiple applications  
Improved process stability through superior sensitivity and fast response  
Extended

equipment life upstream due to consistent pressure control Simplified maintenance with common procedures across all fluid types The Mark 51 Series combines Jordan's proven sliding gate technology with enhanced sensitivity, delivering the versatile, reliable pressure control your complex processes demand. Sizes: 1/4" – 3/4" (DN8 – DN20) Cv (Kv): up to 4.4 (up to 3,8) Diaphragm: Stainless Steel, Elastomer Setpoint: 0.5 to 170 psi (0,03 to 11,7 bar) Body Material: Ductile Iron, Bronze, Carbon Steel, Stainless Steel End Connection: Threaded, Flanged, Socket Weld, Butt Weld