

# Mark 50

**Brand:** Jordan Valve



## Short Description

Self-Operated Sliding Gate Back Pressure Regulator; Quick Ship Available 1/4" - 4", up to 200 Cv The Mark 50 Series self operated back pressure regulator is built for versatility, handling steam, water, oil, gas, air, and chemicals with ease. Featuring a high-capacity sliding gate trim, it delivers precise, rapid pressure regulation to prevent dangerous over-pressures across a wide range of applications. Sizing: 1/4" - 4" (DN8 – DN100) Cv (Kv): up to 200 (up to 172) Need it fast? We offer quick ship options to get your system running without delay.

## Description

Unmatched Trim Life & Accuracy — Sliding Gate Trim: The unique seat design delivers exceptional durability and precise control, reducing the need for frequent maintenance and ensuring accurate pressure regulation over time. Rapid Pressure Adjustment — Fast Response: The short stroke of the sliding gate enables quick reaction to changes in process conditions, minimizing pressure offsets and improving system stability. Efficient, Uninterrupted Flow — Straight-Through Flow: With the flow running directly through the valve, and the disc moving perpendicular to it, pressure regulation is smoother, and seat imbalance is eliminated, leading to enhanced operational efficiency. Quieter Operation — Noise Reduction: The innovative Sliding Gate seats reduce noise compared to traditional regulators. The disc and plate remain in constant contact, preventing chattering, while the straight-through flow minimizes turbulence and further reduces noise. Easy Maintenance — Low-Cost, Low-Maintenance: The Mark 50's sliding gate seats require no special tools for disassembly. Pre-lapped at the factory, the seats self-lap during operation to maintain a tight shutoff, significantly reducing downtime and service costs. Sizes: 1/4" – 4" (DN8 – DN100) Cv (Kv): up to 200 (up to 172) Diaphragm: Jorlon, Stainless Steel, Buna-N,

Viton Setpoint: MK50: 0.5 to 150 psi (0,03 to 10,3 bar); MK50HP: 75 to 450 psi (5,2 to 31,0 bar)  
Body Material: Ductile Iron, Bronze, Carbon Steel, Stainless Steel, Cast Iron  
End Connection: Threaded, Flanged, Socket Weld, Butt Weld