Accutrol, llc - 6736 Langley Drive, Baton Rouge, LA 70809
Phone: (337) 625-5595 - Email: sales@accutrol-llc.com

Mark 575

Brand: Jordan Valve

Short Description

Wafer Style, Jorlon Diaphragm The Mark 575 Series wafer style sliding gate back pressure regulator is designed to regulate upstream pressure to a predetermined setpoint, utilizing a spring-loaded mechanism that holds the sliding gate seats in their normally closed position. This innovative wafer-style design significantly reduces weight compared to traditional flanged valves while providing exceptional performance through Jordan Valve's sliding gate technology. This spring loaded back pressure valve is available in sizes from 3" to 6" (DN80 to DN150) with flow capacities up to 400 Cv (345 Kv), the Mark 575 delivers accurate pressure control across setpoint ranges from 4 to 30 psi (0.28 to 2.07 bar). The spring loaded back pressure valve features the highly durable Jorlon diaphragm, tested to over 1,000,000 full stroke cycles without failure, and optional Jorcote ceramic seat coating that maintains Class IV shutoff even after extensive use in demanding steam applications up to 550°F (288°C). Its straight-through flow design operates 5-10 dB quieter than conventional globe-style regulators while providing superior rangeability up to 20:1. The self-contained design requires no external sensing lines, and the sliding gate seats can be easily removed without special tools, making the Mark 575 an ideal choice for applications requiring reliable back pressure control with minimal maintenance requirements across steam, gas, and liquid services.

Description

Lightweight Wafer Design – Reduces installed weight by up to 90% compared to flanged valves, simplifying piping support requirements and enabling easier handling during installation or maintenance Tool-Free Maintenance – Sliding gate seats lift out without special tools, pressed parts, or threaded components, allowing maintenance to be completed in minutes rather than hours Million-Cycle Reliability – Jorlon diaphragm

tested to over 1,000,000 full stroke cycles without failure, while Jorcote ceramic seat coating maintained Class IV shutoff after 1,000,000 steam cycles Significant Noise Reduction – Operates 5-10 dB quieter than conventional globe regulators through straight-through flow design and multiple orifice configuration, improving operator safety and comfort No External Sensing Lines – Self-contained design eliminates vulnerable external tubing, reducing potential leak points and freeze-up issues in outdoor installations Self-Improving Performance – Pre-lapped sliding gate seats continue to lap during operation, actually improving shutoff over time rather than degrading like traditional valve designs High Temperature Capability – Handles applications up to 550°F (288°C) with optional 316SS diaphragm and Jorcote coating, eliminating the need for specialized high-temp valves Exceptional Flow Capacity – Delivers up to 400 Cv in 6? size within compact wafer footprint, often allowing smaller line sizes and reducing installation costs Wide Rangeability – Achieves accurate control across 20:1 flow range, reducing the need for multiple valve sizes to handle varying process conditions Versatile Media Handling – Single valve design effectively controls steam, gases, and liquids, simplifying spare parts inventory and training requirements Field-Adjustable Options – Available with handwheel for manual override during commissioning or emergency operation, providing operational flexibility without valve replacement Quick Installation – Wafer design installs between standard flanges without additional pipe modifications, reducing installation time and eliminating special pipe spools Sizes: 3? – 6? (DN80 – DN150) Cv (Kv): up to 400 (up to 345) Diaphragm: Jorlon, EPDM, Neoprene/Nylon, Viton, Buna-N Setpoint: 4 – 30 psi (0,28 – 2,07 bar) Body Material: Carbon Bar, Carbon Steel, Stainless Steel Bar, Stainless Steel Options: Handwheel (In Range), Stainless Bolting, Clean for Oxygen, or Oil-Free Service