

## Mark 53/54

**Brand:** Jordan Valve



### Short Description

Differential, Jorlon Diaphragm The Mark 53 and 54 Series transform challenging differential pressure control into reliable, repeatable operation. By maintaining a precise pressure differential between inlet and signal pressure, these valves enable sophisticated process control strategies – from maintaining consistent pressure drops across filters and strainers to managing complex reactor pressure profiles. When your process depends on maintaining exact pressure relationships, not just absolute pressures, these differential pressure valves deliver the control intelligence you need.

### Description

The Mark 53 provides robust differential pressure control for standard applications, while the Mark 54's larger diaphragm minimizes pressure offset for ultra-precise control. This reduced offset means your actual operating pressure stays closer to setpoint across varying flow conditions – critical for sensitive processes where even minor pressure deviations impact product quality or yield. Both deliver identical flow capacity, so you're choosing precision level, not compromising throughput. The Mark 54's capability for both differential and remote adjustment opens doors to sophisticated control schemes. Operators can fine-tune pressure relationships from the control room, adapting to changing process conditions without entering hazardous areas. The negative differential option enables unique applications like vacuum breaker control or maintaining precise suction pressures – capabilities that typically require complex instrumented systems.

**Application Benefits:** Protect critical equipment by maintaining exact pressure drops across filters, preventing breakthrough Optimize reaction kinetics with precise pressure differential control in multi-stage processes Enable remote optimization without manual field adjustments in hazardous locations Reduce energy consumption by maintaining

optimal pressure relationships across system components Simplify complex control loops by handling differential control mechanically rather than through instrumentation Extend filter life through consistent differential pressure monitoring and control The Mark 53/54 Series brings intelligent pressure control to applications where simple upstream or downstream regulation isn't enough – delivering the sophisticated control your complex processes demand.