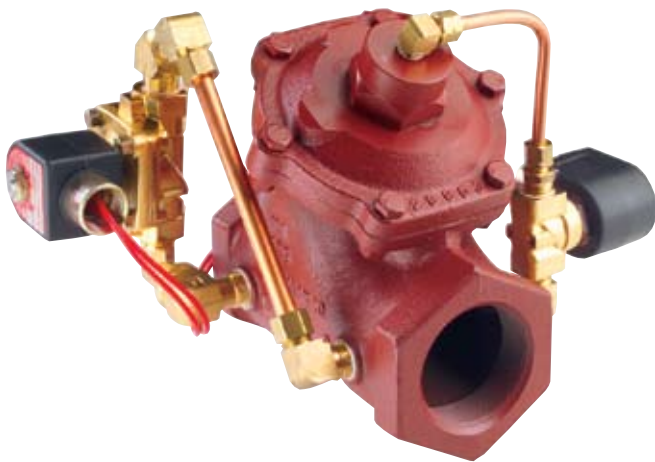




AquaMatic® Control Valves

Two-Stage Series



The AquaMatic Two-Stage Diaphragm Valve is engineered as an ideal component for precise fluid measurement applications. With field proven experience of over 45 years in various industrial applications, AquaMatic Diaphragm Valves are the industry standard for quality and reliability.

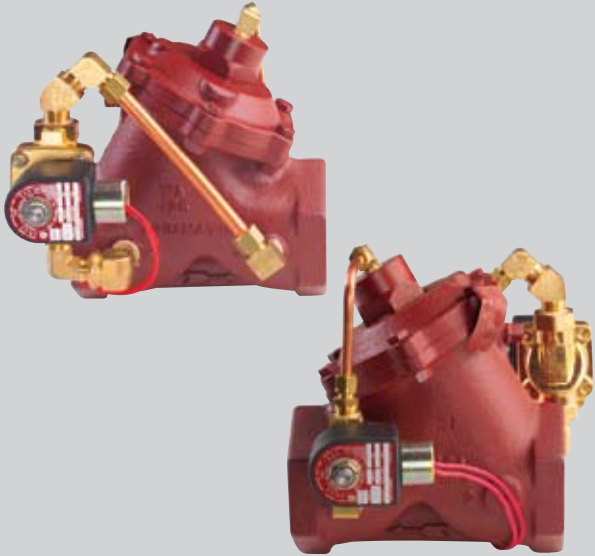
Typical Applications

- Aviation Fuel
- Agricultural Liquid Measurements
- Chemical Batch Processing
- Fuel Oil Delivery Vehicles
- Petroleum Production and Distribution
- Concrete Additive Liquid Measurement
- Liquid Fertilizer Mixing



AquaMatic® Control Valves

Two-Stage Series



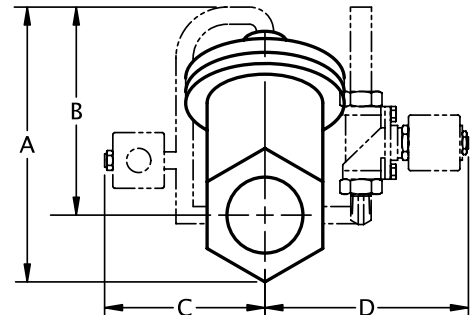
Features and Benefits

- **Low Pressure Loss** – Y-pattern diaphragm valve features a large seat opening and high lift-disc for higher flow rates at a lower pressure loss than other comparable valves.
- **Dual Solenoid Controlled Operation**
- **Ideal for Precise Measurement of Fluids**
- **Low Profile and Shorter Footprint** – Minimizes space requirements.
- **Available in 2- and 3-Inch Configurations**

Dimensions for Two-Stage Valves

Valve Model	Unit	Dimensions (Approximate)			
		A	B	C	D
425	inches	7.82	5.88	3.00	4.12
427	inches	10.19	7.25	3.69	4.81

Two-Stage Control Valves



Operating Specifications

Operation

Simple operation and ease of installing an AquaMatic Two-Stage Control Valve are two key benefits that make this the right valve for your next application. The diaphragm valve is supplied with two solenoids. The first solenoid (Solenoid A) is used to control the opening and closing of the main diaphragm valve, while the second solenoid (Solenoid B) is used to bypass the diaphragm valve for precise control of the fluid to be delivered.

Energizing Solenoid A evacuates the upper diaphragm chamber, allowing the diaphragm valve to open. Fluid is delivered to holding tank. Closure of Solenoid A and opening Solenoid B, delivers precise amount of fuel to holding tank.



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