

# ATKOMATIC

## ATKOMATIC Solenoid Valves

Heavy-duty Process Solenoid Valves for Clean Air, Gases, Liquids, Steam, Corrosive Fluids & Cryogenic Fluids



atkomatic solenoid

### Overview of Product Line

#### General

- Solenoid valves to meet a wide variety of industrial applications
- 2 position, 2-way valves (one 3-Way valve)
- Most are globe style valves with piston poppets (some barstock direct lift)
- Gravity close, with spring and fluid pressure assist
- Most are in-line mounted full ported using pipe threads
- Many are available either normally open or normally closed
- Built to handle all types of clean fluid including air, water, oil, steam, cryogenics, fuels, caustics, refrigerants, and solvents

#### Performance Ranges

- Pressure: vacuum to 10,000 psi (690 bar)
- Fluid temperatures:  $-423^{\circ}\text{F}$  ( $-253^{\circ}\text{C}$ ) to  $+500^{\circ}\text{F}$  ( $+260^{\circ}\text{C}$ ) [ $+750^{\circ}\text{F}$  ( $+399^{\circ}\text{C}$ ) some models]
- Pipe sizes from  $\frac{1}{8}''$  to  $3''$  (Cv from 0.02 to 71)

#### Materials of Construction

- 316 stainless steel & naval bronze or brass
- Seat material selection:  
Elastomer: Buna N, Viton®, EPR  
Plastic: Teflon®, PCTFE  
Metal: stainless, brass

All plunger and magnetic stop materials are electroless nickel-plated 416 or 430 stainless steels. Some AC valves have shading rings made of silver or copper. See page 21 of the Atkomatic Technical Manual for details

#### Actuators

- Solenoids rated for continuous duty (operational pressure values for normally open valves are based on intermittent duty only)
- Class H and class B available
- Available with NEMA  
Type 1 housing: standard  
Type 4 housings: waterproof  
Type 7 and 9 housings: explosion-proof for hazardous locations

### Circle Seal Controls

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