

## Valves and Controls for the Ethanol, Bio-Diesel and the Alternative Fuels Market



*SVF Flow Controls, Inc.* manufactures a full range of valves, actuators and controls for applications throughout the Alternative Fuels marketplace. Our products have been installed in facilities throughout the world including dispensing stations for CNG vehicles and in a variety of services in ethanol and biodiesel production facilities.

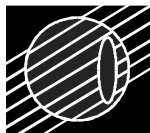
In addition to our compliance with global valve standards our high performance products feature:

- ◆ Live-Loaded Stem Seals
- ◆ Inline weldability
- ◆ Selection of materials and end connections
- ◆ Applications from steam to cryogenic and from vacuum to 6,000 psi.
- ◆ Complete Automation Package to meet sophisticated control requirements

### ***Typical Applications Include:***

- ◆ Fermentation
- ◆ Processing
- ◆ Transfer
- ◆ Utilities
- ◆ Ingredients delivery
- ◆ Feed stock
- ◆ Steam
- ◆ High pressure
- ◆ Fire safe
- ◆ Filtration
- ◆ High purity lines

- ◆ Compressors
- ◆ Fueling Stations
- ◆ Cooling Systems and Gas Drying
- ◆ Dispensing and Storage
- ◆ Boosters, Vapor Recovery and Gas processing
- ◆ Isolation, Venting, By-Pass, Purging
- ◆ Metering, Filling
- ◆ ESD
- ◆ Custom Valve Designs



## Valves



**R8**

- **"Process-Quality" Regular Port**
- Weldable without disassembly
- Live-Loaded Stem Seal
- ISO Mounting Pad
- 316L Grade Ends
- Blowout Proof Stem

- 316SS, Carbon Steel, Alloy-20, Hastelloy-C (in stock), Brass
- NPT, Butt Weld, Socket Weld and Flanged
- 1/4" to 2-1/2"
- Available as Fire Safe (See F8)
- Reduced Port



**B8**

- **"Process-Quality" Full Port**
- Weldable without disassembly
- Live-Loaded Stem Seal
- ISO Mounting Pad
- 316L Grade Ends
- Blowout Proof Stem

- 316SS, Carbon Steel, Alloy-20, Hastelloy-C (in stock), Brass
- NPT, Butt Weld, Socket Weld and Flanged
- 1/4" to 2"
- Available as Fire Safe (See FB8)
- Full Port



**N8**

- **Steam and thermal fluids.**
- Temperatures to 600 F
- Weldable without disassembly
- Live-Loaded Stem Seal
- Encapsulated Body Seal
- ISO Mounting Pad
- Blowout Proof Stem

- 316SS, Carbon Steel, Alloys
- NPT, Butt Weld, Socket Weld and Flanged
- 1/4" to 2-1/2" (N8), to 2" (BN8)
- Reduced (N8) Full Port (BN8)



**P4**

- **High Pressure 5,000 psi** design manufactured from forged steel.
- Variety of options
- Lightweight design

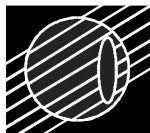
- Forged Carbon Steel and SS
- NPT, Butt Weld, Socket Weld and Flanged
- 1/4" to 1"
- Reduced Port



**H7**

- **High Pressure 6,000 psi** design manufactured from forged steel or from bar stock to meet specific requirements.
- Variety of options and materials

- 316SS, Carbon Steel, Alloys
- NPT, Butt Weld, Socket Weld and Flanged
- 1/4" to 4" (H7), 1/4" to 3"(HB7)
- Reg Port (H7), Full Port (HB7)

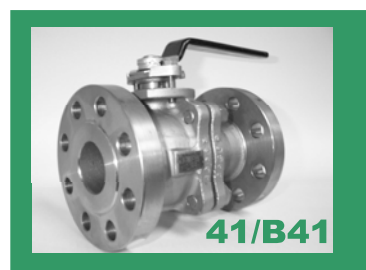


# Valves



- **High Pressure 6,000 psi** design.
- ISO-5211 Actuator Mounting
- Integral Locking Device

- Carbon Steel and Stainless Steel
- NPT with Delrin Seats
- 1/4" to 1"
- Full Ported flow path



- **Anti-Static and Fire Safe to API 607-4**
- Live-Loaded Stem Seal
- Blowout Proof Stem
- Stainless Externals
- Full Range of Versatile Options
- Locking Device

- 316SS, Carbon Steel, Alloys
- Selection of seats/seals
- Flanged 150#, 300#
- 1/2" to 8" (B41)
- 1-1/2" – 6" (41)
- Reduced (41) Full Port (B41/42)



- **General Purpose Three-Piece Ball Valve**
- Full Ported Design
- 316SS Throughout
- ISO Mount
- Live Load Packing
- EZ Automation

- 316SS or 316 X CS for weld end valves
- NPT, SW, BW
- 1/4" to 2"
- Full Port
- Pressures to 1000 psi
- Locking handle



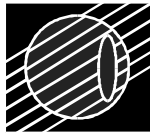
- **General Purpose Ball Valve**
- 316SS Throughout
- Ideal for use with Insertion Probes and general purpose plant-wide applications

- 316SS or Brass Nickel Plated Body
- NPT
- 1/4" to 3" (SS) to 4" (Brass)
- Full Port



- **General Purpose Ball Valve**
- Reduced port design
- 316SS Throughout
- NPT Ends

- Reinforced TFE seats
- One-piece design
- 1/4" to 2" (SS)
- Ideal for instrument systems and gauge isolation



## Actuators and Controls



- **"aero<sup>2</sup>" Pneumatic R/P actuator**
- 10 models to 13,000 Lbf. In.
- Double Acting or Spring Return
- ISO/NAMUR design
- Dual-Direction Stroke Adjustment

- Aluminum Hard Anodized
- Optional Stainless Steel Housing or Nickel Infused for full protection against corrosion
- Compact, "clean line" design
- Ideal for High Cycle applications



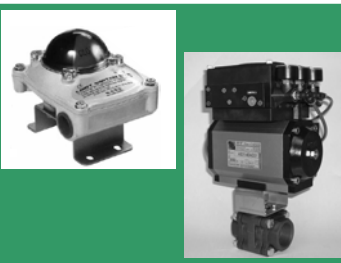
- **"aeroValve" Direct Mount Automated Valve**
- Low profile assembly is compact and lightweight
- High performance, long-life actuator
- Full range of control accessories and options

- Direct mount to all EZ-Valve series products.
- Actuator available in stainless steel or with exclusive infused Nickel treatment
- EZ to assemble and maintain
- Competitively priced



- **"electroValve" Direct Mount Automated Valve**
- Low profile assembly is compact and lightweight
- High performance, long-life actuator
- Full range of control accessories and options

- Direct mount to all EZ-Valve series products.
- Actuator available in a variety of voltages, feedback and controls
- EZ to assemble and maintain
- Competitively priced



- **"LS-820" Limit Switch**
- Mechanical or Prox switch elements.
- NEMA 4, 4X housing
- ISO/NAMUR design
- High Visibility Indicator
- Aluminum housing

- **"V" Series Positioner**
- Non-metallic housing
- Pneumatic or Electro-Pneumatic signals
- Full Range of Accessories
- Non-Interactive Calibration
- Ideal for use with our "V8" Series Control Valves



SVF is proud to maintain the ISO-9001:2000 QMS certificate.

For more information about our products and services please visit our websites:

[www.SVF.net](http://www.SVF.net)  
[www.CleanFlow.net](http://www.CleanFlow.net)  
[www.Pro-Spec.net](http://www.Pro-Spec.net)