

Valve  
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**YOUR MOST  
VALUABLE PARTNER**

**FOR A-T CONTROLS  
3-PIECE  
BALL VALVES**

**PipeValves**  
Since 1963

[www.PipeValves.com](http://www.PipeValves.com)  
800.467.7122

Warning: Do not use this literature in place of reading, understanding, and following the manufacturer's spec sheets and operator's manual instructions which are available on their website.



## 3-Piece Manual Ball Valve: 55 Series

### Description:

Triac Series 55 Ball Valves feature a high quality investment cast body and ends. Superior leak protection is accomplished by using a live-loaded packing system including Belleville washers and double "V" ring packing.

### Features:

- Sizes 1/4" to 4"
- Full port design
- Available in 316SST or WCB
- Threaded, Socket Weld, or Butt Weld Ends
- RTFE Seats Standard
- Lockable Manual Handle
- ISO 5211 Actuator Mounting Pad
- Mounting brackets required



## Sanitary End 3-Piece Manual Ball Valve: 77 Series

### Description:

Triac 77 Series Ball Valves feature a high quality 316L investment casting. They are available with sanitary clamp or tube OD ends. Select the cavity filled or non-cavity filled design. Superior leak protection is accomplished by using a live-loaded packing system featuring Belleville washers and double "V" ring packing.

### Features:

- Sizes 1/4" to 4"
- Available in 316L
- Threaded, Socket Weld, or Butt Weld Ends
- RTFE Seats Standard
- Lockable Manual Handle
- ISO 5211 Actuator Mounting Pad



## F83 & F8R Series

### 3-pc Full & Regular Port Firesafe Ball Valves

#### Description:

Triac® F83 Full-Port and F8R Reduced-Port Series 3-Piece Firesafe Ball Valves are the finest quality 3-piece valves on the market. The high quality investment castings feature a fully machined bore. The superior live-loaded packing system is accomplished with Belleville washers, "V" ring packing and a unique primary pyramidal stem seal. This advanced sealing system provides for protection against stem leaks experienced by ordinary ball valves.

#### Features:

- Sizes 1/4" to 2"
- Available in 316SS or WCB
- Threaded, Socket Weld, or Butt Weld Ends
- RTFE Seats Standard
- Lockable Manual Handle
- ISO 5211 Actuator Mounting Pad
- API 607 - 6th Edition Certified Firesafe
- Pyramidal Stem Seal Design



## 88 Series

### High Performance 3-Piece Ball Valve

#### Description:

The Triac® 88 Series 3-Piece Ball Valves feature a direct mount automation pad. The high-quality investment castings feature a fully machined bore. The superior live-loaded packing system is accomplished with Belleville washers, "V" ring packing and a unique pyramidal stem seal. This advanced sealing system provides protection against stem leaks experienced by ordinary ball valves.

#### Features:

- Sizes 1/4" to 4"
- Full Port 1500/2000 psi WOG (by size)
- Stainless or Carbon Steel Body
- Direct Mounting Pad
- Threaded, Socket Weld or Butt Weld Ends
- TA-Luft Certified for Low Emissions
- 50/50 Seats are Available for High Temperature and Difficult Applications
- Also available with a Pneumatic Spring Return Actuator, Double Acting Actuator or Electric Actuator.



## Firesafe 3-pc

## High Performance Ball Valve: F88 Series

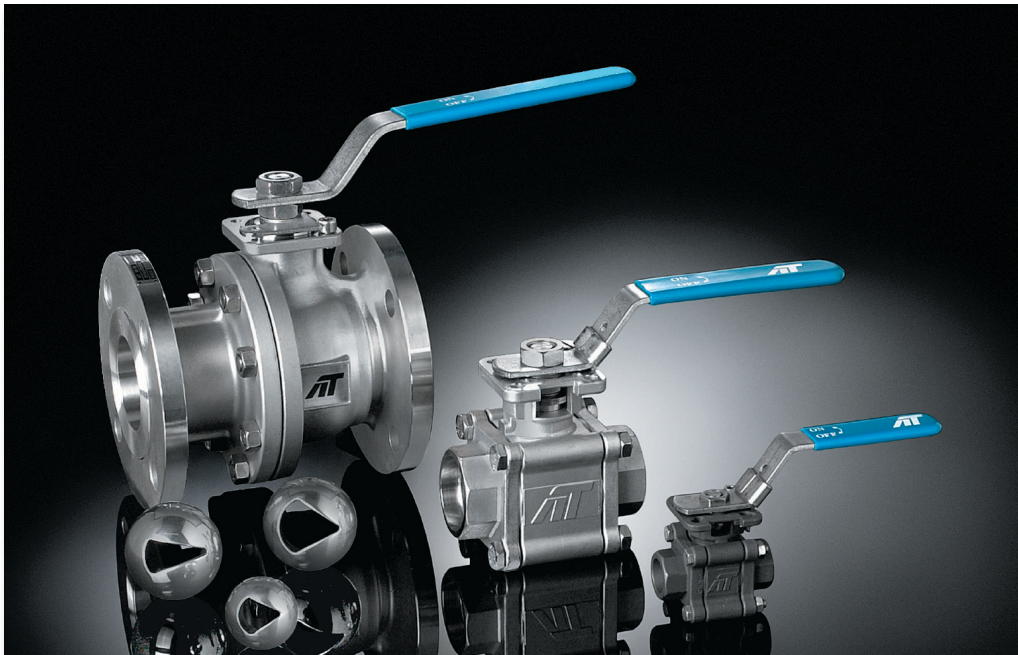
### Description:

The Triac® F88 Series Firesafe 3-Piece Design have successfully passed the API-607 4th edition test. They are available with 316SS or WCB body. These high-quality investment castings feature a fully machined bore. The superior live-loaded packing system is accomplished with Belleville washers, "V" ring packing and a unique pyramidal stem seal. This advanced sealing system provides protection against stem leaks experienced by ordinary ball valves.

### Features:

- Firesafe
- Sizes 1/4" to 4"
- Full Port 1500/2000 psi WOG (by size)
- ISO 5211 Actuator Mounting Pad
- Threaded, Socket Weld or Butt Weld Ends
- Blowout Proof Stem w/ Dual Anti-Static Devices
- Monel Ball & Stem Available
- Also available with a Pneumatic Spring Return Actuator, Double Acting Actuator or Electric Actuator.





## Ball Valves: Full V-Port Control Valves

### Description:

Triac® V-Port Control Valves are ideal for achieving more precise control with the simplicity and sealing features of a ball valve. The V-port valves are available with 30°, 60°, & 90° V-notch options (custom cut also available). The 30° option allows for finer tapered control throughout the valve rotation, and the 60° & 90° offer larger controlled flow.

The PTFE seat is standard in the V7 valves, while the 50/50 STFE seat is standard with V8, V9, and FVD9 V-port valves. The 50% SST powder and 50% PTFE offers both strength and superior sealing properties.

### Features:

- Sizes 1/2" to 4", 3-Piece (V7, V8)
- Sizes 1/2" to 6", 150# Flanged (V9)
- Sizes 1/2" to 6", 300# Flanged Firesafe (FVD9)
- 316SST or WCB
- TA-Luft Certified Low Emissions (V7, V8, V9)
- 30°, 60° & 90° "V" Notch Standard (Others on request)



## Ball Valves: Segmented V-Port Control Valves

### Description:

The A-T Controls V-Series Rotary Valve is a throttling control segmented ball valve that provides high flow capacity with optimum characteristics for industrial markets including Pulp and Paper, Refinery, Chemical, and Petrochemical Industries.

- VS Series: 50/50 STFE Seat
- VV Series Metal Seat: Viton® Seat Packing
- VM Series Metal Seat: Graphite Seat Packing

### Features:

- 1-pc body design reduces leakage paths
- V-ball provides large dynamic pass of fluid, including solid particles
- V-ball with top and bottom bearings reduces operational torque
- Spring live-loaded metal seats with Viton® or graphite backing
- Interchangeable soft seats and metal seats to satisfy various applications.
- Automatic pressure relief design
- Nearly equal percentage flow characteristic
- Available in flangeless or flange connection
- ISO 5211 mounting pad
- Anti-static device
- Easy to remove cap design simplifies seat changes and installation of repair kits





## Ball Valves: High Purity Series HP & H78

### Description:

A-T Controls' Series HP & H78, BPE Compliant, high purity ball valves feature high quality design and materials. They are available with BPE compliant hygienic clamp or tube ends. Superior leak protection is accomplished by using a live-loaded packing system featuring Belleville washers and chevron (v-ring) packing. These high purity ball valves are excellent for a variety of applications in various industries that require hygienic flow.

### Features:

- Sizes 1/2" to 4", forged or cast
- TFM-1600 seats standard
- Hygienic Clamp and Tube Ends
- Series HP - Forged High Purity, ASTM A182 F316L, Controlled Sulfur Content, Low Ferrite Content
- Series H78 - Cast High Purity, ASTM A351 CF3M, Controlled Sulfur Content



## FMX Series

### 3-Piece High Performance Metal Seated Ball Valves

#### Description:

The A-T Controls M-Series metal seat ball valve is designed for use in severe services such as high temperature, high pressure, and abrasive fluids found in Oil & Gas, Petroleum, Petrochemical, Chemical, Power Generation, Pulp & Paper, and Mining industries.

#### Features of the FMX Series:

- Oversized stem design prevents deformation at higher pressures and temperatures
- Larger ball design provides better sealing to prevent leakage
- ANSI Class 600 wall thickness design
- Bidirectional design for backflow application
- Inconel® spring design to maintain good contact between ball and seats during operation
- Live-loaded packing design and dual anti-static devices eliminate stem leakage while providing longer life cycle
- Blowout proof stem
- ISO 5211 mounting pad
- Fire safe design conforms to API 607 4th Edition
- Optional Tungsten Carbide (TC) coating for heavy slurry & high temperatures



## FMU / FMB / FMS Series

### 3-Piece High Performance Metal Seated Ball Valves

#### Description:

The A-T Controls M-Series metal seat ball valve is designed for use in severe services such as high temperature, high pressure, and abrasive fluids found in Oil & Gas, Petroleum, Petrochemical, Chemical, Power Generation, Pulp & Paper, and Mining industries.












#### Features of the FMU / FMB / FMS Series: Full Bore Two-piece Flanged Ends ANSI Class 150/300/600:

- Unidirectional (FMU) or bidirectional (FMB) shutoff options available.
- Scraper Seat Design (FMS) for heavy slurry as in the pulp & paper industry.
- ANSI Class 600 wall thickness design
- Blowout proof stem
- ISO 5211 mounting pad
- Fire safe certified to ISO 10497 3rd Edition
- Optional Tungsten Carbide (TC) coating for heavy slurry & high temperatures
- Spring live-loaded seats ensure tight seal, even at low temperature and pressure
- Hard face treatment on ball and seats for longer life-cycle in severe environments



## Valuable Services

Pipe Valves offers the quality products and the best services to improve your bottom-line performance.

-  Pipe Shop: We cut, bevel, groove, and thread
-  Energy audits, steam trap surveys, live steam lab demonstrations
-  Daily local truck routes, emergency delivery options
-  Phone, counter, email, fax and e-commerce ordering options
-  Express sales counter pickup and tool rental
-  Vendor Managed Inventory options customized to your needs
-  Product specialists and staff engineers assist with problem solving
-  Kitting Services - we can bag and tag to your specifications
-  Bin management, bar code scanning and labeling solutions available
-  PV University Classes, Where Seeing Is Believing: Actuation, Valves, Steam
-  24/7 emergency service available in many areas

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