

Valve  
Actuation

Steam

Instruments

Hot Water

Industrial  
PVF



**YOUR MOST  
VALUABLE PARTNER**

**FOR APOLLO  
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.



## 94VLF-A Series Press End Ball Valve

### Description:

The Conbraco International™ 94VLF-A Series Lead Free\* Two-Piece Press Ball Valve is ideal for installation in most plumbing and heating systems, including potable water.

### Information:

- Sizes: 1/2" to 4"
- Materials: Brass & Bronze
- Maximum Operating Pressure: 250 psig
- Temperature Range: 0°F - 250°F

### Features:

- Lead Free\*, ANSI 3rd Party Certified
- Full-Port Flow
- PTFE Seats and Packing
- Adjustable Stem Packing
- Leak Before Press® Feature
- Ridgid® XL Press Tool Compatible (1/2"-2")
- Ridgid® XLC Press Tool Compatible (2-1/2"-4")
- Corrosion Resistant Materials
- 100% Factory Tested
- 2 Year Warranty

### Applications:

- Water Including Potable Water
- Hydronic Heating (90% Glycol Max)
- Not Suitable for Flammable Gas Service
- Designed for Direct Mechanical Connection to ASTM B88-Type K, L, and M Copper Tubing in the Hard Drawn Condition
- Not Compatible with Soft Annealed Copper Tubing

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## 94ALF-A Series Full Port Brass Ball Valve

### Description:

The Apollo International™ 94ALF-A Lead Free\* Forged Brass Ball Valve combines reliable operation with maximum economy. Featuring multi-agency approvals, the 94ALF-A is ideal for gas, fuels, fire protection and general plumbing and HVAC applications including potable water. Valves are ANSI 3rd party lead free\* certified.

### Features:

- EZ Solder™ Lead Free Materials\*\*
- Distinctive White "Lead Free" Handle Grip
- 2-Piece, Full Port Design
- Blowout-Proof Stem
- 100% Factory Testing
- Adjustable Stem Packing Nut
- Multiple Agency Approvals
- Stem Seal O-Ring (Solder Version 1/2" - 2")

### Information:

- Sizes: 1/4" to 4"
- Materials: Brass & Bronze
- Performance Rating:
  - 600 CWP – 1/4" to 2"
  - 400 CWP – 2-1/2" to 4"
- Temperature Range: 0°F - 400°F

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## 77F-100 Series

### Full Port Threaded End Brass Ball Valve

#### Description:

The Apollo 77F-100 Series is a full port forged brass ball valve suitable for a wide range of flow control applications including HVAC, fuel gas, fire protection, irrigation etc. These NPT threaded, 2-piece valves combine reliable operation with maximum economy. Valves include most pertinent agency approvals. Proudly Made in the USA.

#### Information:

- Sizes: 1/4" to 4"
- Materials: Brass & Bronze
- Rating: 600 CWP (1/4" – 2")
- Rating: 400 CWP (2-1/2" – 4")
- Steam Rating: 150 psi SWP
- Temperature Range: 0°F - 400°F
- Vacuum Service to 29 in. Hg

#### Features:

- Corrosion Resistant Materials
- Full-Port Flow
- Premium RPTFE Seats and Packing
- Adjustable Stem Packing
- Blowout-Proof Stem
- 2-1/2" - 4" Sizes Now Feature 316SS Ball and Stem (Standard)
- Silicone Free Assembly
- 100% Factory Tested
- Made in USA, ARRA Compliant

#### Options:

- (-01) Standard Lever
- (-04) 2-1/4" Stem Extension: 1/4" – 2-1/2"
- (-07) Tee Handle: 1/4" – 2"
- (-10) Stainless Steel Lever & Nut 1/4" – 2"
- (-11) Therma-Seal™ Insulating Tee Handle 1/4" – 2"
- (-27) Locking Handle SS 1/4" – 2-1/2"
- (77F140 Series) – SS Ball & Stem
- (77FLF Series) Lead Free (0.25% Lead Max)

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## 76F-100-A Series

### Stainless Steel Full Port Ball Valve

#### Description:

The Apollo 76F-100-A series two-piece full port inline ball valve is made of stainless steel and has a lever handle and female National Pipe Taper (NPT) threaded connections on both ends. Made of stainless steel for resistance to corrosion, has a stainless steel lever handle with vinyl sleeve for manual on/off control. Full port for reduced friction; its inner diameter is the same as the inner diameter of the pipe it connects to enable maximum operating efficiency.

#### Information:

- Sizes: 1/4" to 3"
- Materials: Stainless Steel
- Female NPT Thread, 1/4"-3" 1000 CWP (psig), Cold Non-Shock.
- 150 psig Saturated Steam.
- Vacuum Service to 29 inches Hg.
- MSS SP-110 Compliant.
- Designed, cast, machined, assembled, and 100% factory tested in USA.

#### Features:

- Investment cast components
- Reinforced seats
- Blowout-proof stem design
- Adjustable packing gland
- Stainless steel lever and nut
- Fire safe to API 607 (requires -24 suffix)
- Meets NACE MR0175 (2000) & MR0103 (2012)
- CSA CGA 3.16-M88 (Requires "GS" suffix)
- NSF/ANSI/CAN 61 Section 8, Annex G (1/4" to 2")
- NSF/ANSI 372 - Drinking Water System Components - Lead Content STANDARD

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## 82-100/140 Series

### 3-Piece Full Port Threaded Bronze Ball Valve

#### Description:

The Apollo 82-100 Series is designed as an in-line serviceable full port bronze ball valve. SAE grade body bolts and RPTFE seals are standard.

#### Features:

- Dezincification Resistant Bronze Body
- Adjustable Packing Gland
- Blowout Proof Stem Design
- Premium RPTFE Seats and Seals
- Full Port Ball Configuration in all Sizes
- 100% Factory Tested
- Made in USA

#### Information:

- Sizes: 1/4" to 4"
- Materials: Brass & Bronze
- Maximum Pressure:
  - 82-100 Series: 600 psi CWP | 150 psi SWP
  - 82A-140 Series: 400 psi CWP | 150 psi SWP
- Maximum Temperature: 500°F
- Vacuum Service to 29 in. Hg

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## 70-100 Series NPT Bronze Ball Valve

### Description:

The Apollo® 70 Series is the most widely used general purpose bronze ball valve on the market today. The 70-100 model is a 2-piece standard port\* ball valve featuring female NPT connections. Cast and machined in Apollo's South Carolina manufacturing plants, these valves provide trusted performance and a wide range of options.

### Information:

- Sizes: 1/4" to 4"
- Materials: Brass & Bronze
- CWP: 600 psi (41.37 Bar)
- SWP: 150 psi (10.34 Bar)
- Maximum Temperature: 500°F
- Vacuum Service to 29 in. Hg

### Features:

- Premium Materials and Heavy Duty Construction
- Adjustable Stem Packing Gland
- Blowout Proof Stem Design
- RPTFE Seats and MPTFE Stem Packing Rings
- Chromium Plated Ball
- 100% Factory Tested
- Wide Range of Options (see page 2)
- Manufactured in the USA – ARRA Compliant

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## 230L Series

### Double Offset High Performance Butterfly Valve

#### Description:

The HP Series High Performance Butterfly Valves eliminates seat wear and seat leakage. It uses an off-set eccentric disc with a seat ring, and other features for a superior valve. Lug bodies are used for dead end service, wafer bodies for easy installation and compact designs. Steam, fire-safe, and metal seats available.

#### Information:

- Sizes: 2-24"
- Materials: Stainless Steel & Carbon Steel bodies
- Pressure Classes: 150, 300, 600 & 900
- 120 psig Saturated Steam.
- Vacuum Service
- Abrasive & High Temperature: Metal seats designed to service for abrasive, dirty, and/or high temperature applications

#### Features:

- Use 316SS and RPTFE seals for Fire-Safe service to API 607 5th Edition
- Carbon filled TFM seats and high temperature graphite stem packing can handle pressure up to 200 psig steam
- Blowout Proof Shaft
- ISO 5211 Mounting Flange
- Extended Neck: allows for 2" of pipe insulation
- Shaft Packing: V-ring PTFE, UHMWPE or flat graphite provides positive sealing
- Bearing: Full length provides maximum shaft & stem support. Made of 316 SS/PTFE.



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## 10-100 Series Safety Relief Valve

### Description:

ASME Section IV Capacity Certified Bronze Safety Relief Valves protect ASME Section IV hot water heating boilers and hydronic heating systems. High capacity design features corrosion resistant construction. Brass, satin or polished chrome finishes available. Proudly made in the USA.

### Information:

- Sizes: 3/4F x 1F & 3/4M x 1F
- Connection:
  - Male NPT Inlet
  - Female NPT Inlet
- Finish:
  - Brass Finish
  - Polished Chrome Finish
  - Satin Chrome Finish
- Seat
  - EPDM
  - Silicone
- Set Pressure
  - 15-60, psig

### Features:

- ASME Section IV Certified Capacity (20-60psi only)
- 15-60 psig (1.4 – 4.1 bar) Set Pressure at 250°F (121°C) max
- Corrosion Resistant Construction
- Registered in all Canadian Provinces and Territories CRN #OG8547.5C
- Stainless Steel Springs Standard
- Male or Female NPT inlet
- Optional Satin or Polished Chrome Finish
- Made in the USA

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## 4A-100 Series Double Check Valve Backflow Preventer

### Description:

The Apollo® Model DC4A and DCLF4A Series Lead Free\* & Non-Lead Free Double Check Valves prevent contamination of the potable water supply due to back-siphonage or backpressure from substances that are objectionable to the potable water supply, but non-health hazards. The top accessed modular check valve cartridges provide captured springs, replaceable seats and reversible silicone seat discs. This Made in America assembly features ball valve shutoffs with stainless steel handles and nuts as standard and carries the five-year Apollo® factory warranty.

### Information:

- Sizes: 1/2" to 2"
- Materials: Bronze body
- Maximum Working Pressure: 175 psi
- Temperature Range: 33°F - 180°F

### Features:

- Low Pressure Loss
- Captured Spring Cartridge Check Valves
- Compact, Yet Easy to Maintain
- Ball Valve Shut-Offs w/ SS Handles & Nuts Standard
- Top Access for Fast Testing & Maintenance
- Threaded Testcock Protectors
- Corrosion Resistant
- No Special Tools Required
- 5 Year Warranty
- Lead Free Option
- Chloramine-Resistant Elastomers
- Designed, Cast, Machined, Assembled and Tested in the USA

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## 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