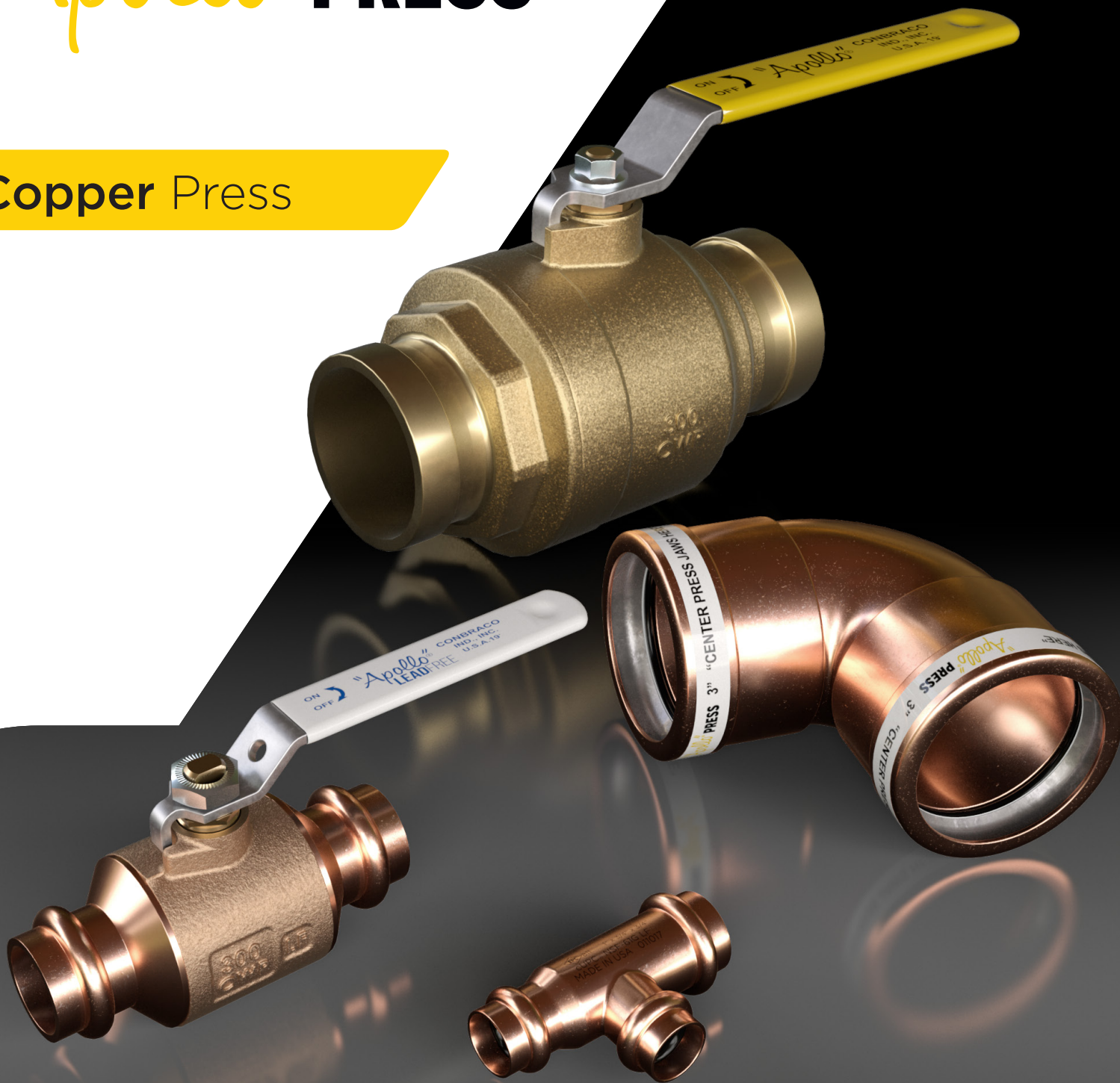


# "Apollo"® PRESS

## Copper Press



## system data

[www.apollovalves.com](http://www.apollovalves.com)

customer service US 704.841.6000

CAN 800.443.1603



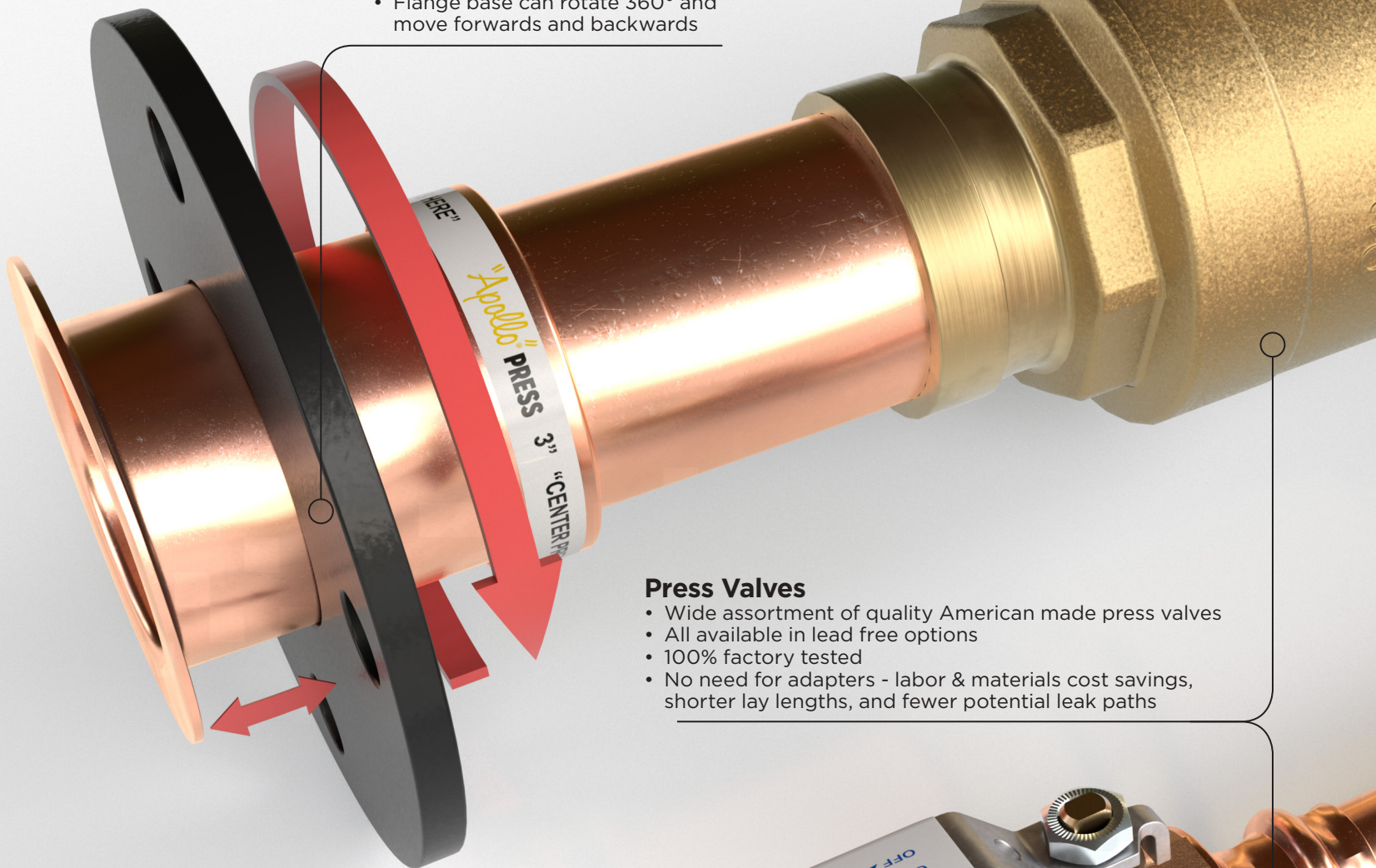
integrated  
piping systems



# "Apollo"® PRESS

## Unique Floating Flange

- Patented design helps to properly align with a stationary surface
  - Copper body is trapped in flange
  - Flange base can rotate 360° and move forwards and backwards



## Press Valves

- Wide assortment of quality American made press valves
- All available in lead free options
- 100% factory tested
- No need for adapters - labor & materials cost savings, shorter lay lengths, and fewer potential leak paths





A detailed technical illustration of an Apollo brand pipe fitting assembly. The main image shows a large diameter elbow joint connecting two copper pipes. A yellow handle with 'ON' and 'OFF' markings is visible at the top left. A silver band with 'Apollo' and 'PRESS 3" GEN' is wrapped around the elbow. A circular inset on the left shows a close-up of the internal components, including a solid stainless steel grip ring and a spacer ring. Another circular inset at the bottom left shows a cross-section of the pipe with three red circles indicating leak paths for the 'Leak Before Press' feature. The background is a soft, out-of-focus industrial setting.

## Large Diameter Elbows

- Close and long turn available
- Space saving alternative for tight spaces

## Visual Inspection Band

- Polyester band breaks away when large diameter fittings are pressed

## Internal Components (2-1/2" - 4")

### Spacer Ring

- Patented design isolates and protects o-ring from damage during pipe insertion
- Built in Leak Before Press® technology

### Solid Stainless Steel Grip Ring

- More circumferential engagement to pipe surface than traditional "toothed" grip ring designs
- Superior grip strength to withstand high-pressure applications up to 300 psi

## Markings & Identification

- Laser etching includes:
  - Certifications
  - Traceability code
  - Model & size
  - Made in USA

## Leak Before Press®

- Unpressed fittings will visibly leak during low pressure testing
- Minimum of three leak paths (120° apart) on ID of o-ring

### APPROVED APPLICATIONS

TYPES OF SERVICE	SYSTEM OPERATING CONDITIONS   COMMENTS	PRESSURE	TEMPERATURE	EPDM O-RING
FLUIDS AND WATER				
Hot & Cold Potable Water		300PSI	32°F - 250°F	✓
Rainwater   Gray Water		300PSI	32°F - 250°F	✓
Chilled Water	Ethylene   Propylene Glycol	300PSI	32°F - 250°F	✓
Hydronic Heating	Ethylene   Propylene Glycol	300PSI	32°F - 250°F	✓
Cooling Water	40-90% Ethylene Glycol or Propylene Glycol Solution	200PSI	32°F - 250°F	✓
Low-Pressure Steam		Up to 15PSI	248°F	✓
FUEL, OIL & LUBRICANT				
Ethanol	Pure Grain Alcohol	200PSI	32°F - 250°F	✓
GASES				
Compressed Air	Less than .025 PPB	200PSI	32°F - 250°F	✓
Oxygen - O <sub>2</sub> (Non-Medical)		140PSI	up to 140°F	✓
Nitrogen - N <sub>2</sub>		200PSI	32°F - 250°F	✓
Carbon Dioxide - CO <sub>2</sub>		200PSI	32°F - 250°F	✓
Argon - Ar		200PSI	Ambient	✓
Hydrogen - H <sub>2</sub>		125PSI	0°F - 250°F	✓
Vacuum		29.2 in Hg	Call	✓

Please contact Apollo product engineering for evaluation and approval of other chemicals that are compatible with EPDM O-Ring

### OPERATING PARAMETERS

APOLLOPRESS® fittings & valves must be installed using ASTM B88 compliant tubing Types K, L, M hard copper (1/2" to 4") or soft drawn annealed (1/2" to 1-1/4").

- Sealing Element: **EPDM**
- Operating Pressure: **300 PSI Max**
- Temperature: Range **0°F to 250°F**

### COMPLIANT WITH

- ARRA
- ASME B16.51
- Uniform Plumbing Code (UPC®)
- International Plumbing Code (IPC®)
- National Standard Plumbing Code
- Section 1417(d) - Safe Drinking Water Act
- Section 116875 - California Health & Safety Code
- Directive 2011/65/CE (RoHS)

### CERTIFICATIONS/LISTINGS

- IAPMO PS-117
- CSA TIL-MSE 13
- NSF/ANSI/CAN 61 - Water Quality
- NSF/ANSI 372 - Lead Free

### PRODUCT OFFERING

#### PRESS FITTINGS

- 45° Elbow (P x P)
- 45° Elbow - Street (FTG x P)
- 90° Elbow (P x P)
- 90° Elbow - Street (FTG x P)
- 90° Elbow - Drop Ear (P x FPT)
- 90° Elbow - Female (P x FPT)
- Adapter - Flange (P x FLG)
- Adapter - Female (P x FPT)
- Adapter - Female Reducing (P x FPT)
- Adapter - Female Street (P x FPT)
- Adapter - Male (P x MPT)
- Adapter - Male Reducing (P x MPT)
- Adapter - Male Street (P x FPT)
- Adapter - Male Reducing Street (P x FPT)
- Cross-Over (P x P)
- Cap (P x Cap)
- Coupling (P x P)
- Coupling - Reducing (P x P)
- Coupling - No Stop (P x P)
- Coupling - No Stop Extended (P x P)
- Fitting Reducer (FTG x P)
- Tee (P x P x P)
- Tee - Reducing (P x P x P)

#### PRESS VALVES

- Brass Ball Valves
- Bronze Ball Valves
- Bronze Ball Valves (Copper Retainers)
- Balancing Valves
- Check Valves - Swing
- Check Valves - In-line
- Gate Valves
- Globe Valves
- Mixing Valves
- Pressure Reducing Valves
- Backflow Preventers

All APOLLOPRESS® valves are available in lead free options; fittings are naturally lead free.

For kit listings, please refer to [apollovalves.com](http://apollovalves.com).

### WARRANTY

