

"Apollo" PRESS

COPPER PRESS SYSTEM

APOLLOPRESS® products are ARRA compliant and proudly manufactured in the USA. From fittings, to backflow prevention, our end-to-end press product line gives APOLLOPRESS® the upper hand on any press spec'd installation as a single-source manufacturer with one of the broadest offerings in the market.

APOLLOPRESS® fittings & valves are offered in sizes ranging from 1/2" through 4" and come equipped with an EPDM o-ring that has Leak Before Press® functionality to ensure safe and confident connections, minimizing the potential for installation error. All APOLLOPRESS Products are Lead-Free, heat and flame free (no Hot Work Permit needed), and can be installed in a variety of applications using the majority of industry accepted press tools. Whether you are starting a new project, or performing a repair on a "wet" system, APOLLOPRESS® has what you need, making our system the clear and comprehensive choice.

FEATURES & BENEFITS

- Proudly Manufactured in USA – ARRA Compliant
- Broadest Press Fitting & Valve Product Offering (All With Lead Free Options)
- Highest Pressure Rating in the Market (300 PSI Max)
- Deeper Cup Depths – Better Seat, Tighter Seal, Straighter Runs
- Patented Leak Before Press® – No Need to Place Leak Path
- Patented Floating/Rotating Flanges
- Close-Turn Large Diameter Elbows for Tight Spaces (Long-Turn Also Available)
- Visual Press Inspection Band for Large Diameter Fittings

OPERATING PARAMETERS

APOLLOPRESS® fittings & valves must be installed using ASTM B88 compliant tubing for Types K, L, and M hard copper tube sizes 1/2" through 4", whereas soft copper tube may be used for sizes 1/2" through 1-1/4"

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

PRODUCT OFFERING

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 (FTG x FPT)
- Adapter – Male (P x MPT)
- Adapter – Male Reducing (P x MPT)
- Adapter – Male Street (FTG x MPT)
- Adapter – Male Reducing Street (FTG x MPT)
- Adapter – PEX A (P x PEX) **Coming Soon**
- Adapter – PEX B (P x PEX) **Coming Soon**
- 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 Ext. (P x P)
- Dielectric Union (P x FPT) **Coming Soon**
- Fitting Reducer (FTG x P)
- Tee (P x P x P)
- Tee – Reducing (P x P x P)
- Tee – Bullhead (P x P x P)
- Tee – Female Outlet (P x P x FPT)
- Union (P x P)
- Union – Female (P x FPT)
- Union – Male (P x MPT)

VALVES

- Brass Ball Valves
- Bronze Ball Valves
- Balancing Valves
- Copper Press-End Ball Valves **Coming Soon**
- 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.





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 .25mg/m ³ oil content	200PSI	32°F-250°F	✓
Oxygen - O ₂ (Non-Medical)		140PSI	up to 140°F	✓
Nitrogen - N ₂		200PSI	32°F-250°F	✓
Carbon Dioxide - CO ₂		200PSI	32°F-250°F	✓
Argon - Ar		200PSI	Ambient	✓
Hydrogen - H ₂		125PSI	0°F-250°F	✓
Vacuum		29.2 in Hg	Call	✓

Please contact Apollo's Technical Support Department for evaluation and approval of other chemicals that are compatible with EPDM O-Ring

APPROVALS & CERTIFICATIONS

APPROVALS	FITTINGS	VALVES
IAPMO PS-117	✓	-
IAPMO/ANSI-Z1157	-	✓
ANSI/NSF-61	✓	✓
ANSI/NSF-372	✓	✓
CSA TIL-MSE 13	✓	-
MSS SP Standards	-	✓
ASSE Standards	-	✓
Directive 2011/65/CE (ROHS)	-	✓
Canadian Registration No. (CRN)	✓	✓
Uniform Plumbing Code (UPC)	✓	✓
National Plumbing Code Standard (NSPC)	✓	✓
International Plumbing Code (IPC)	✓	✓

COMPLIANT WITH

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

APPROVED TOOL MANUFACTURERS

- Milwaukee
- Ridgid
- REMS
- DeWalt
- NIBCO (up to 2")
- Rothenberger
- Stanley-Virax

WARRANTY



"Apollo"® PRESS

VISUAL INSPECTION BAND

- Polyester Band Breaks Away When Large Diameter Fittings are Pressed

"Apollo" PRESS
3" "CENTER"

UNIQUE FLOATING FLANGE

- Patented
- Helps to Properly Align with a Stationary Surface
 - Copper Body is Trapped in Flange
 - Flange Base can Rotate 360°
 - Flange Base can Move Forward and Backward

REDUCING TEES

- Full Line of Small Diameter Single-Piece Reducing Tees

EPC-811 1" x 3/4" x 3/4"
CUPC® NSF-61G LF
MADE IN USA 011017

MARKINGS & IDENTIFICATION

- Laser Etching Includes:
 - Certifications
 - Traceability Code
 - Model & Size
 - "Made in USA"

PRESS V

- Wide Assortment
- All Available
- 100% Factory
- No Need for
- Labor &
- Shorter
- Fewer P

LARGE DIAMETER ELBOWS

- Close and Long Turn Available
- Space Saving Alternative for Tight Spaces

SPACER RING

- Patented Arrowhead Cross-Section
- Beveled Edge Assists Pipe's Leading Edge Over the O-Ring for Protection

SOLID SS GRIP RING

- More Circumferential Engagement to Pipe Surface for Increased Tensile Strength to Withstand Higher Pressures (300 PSI) Compared to the Competition's "Toothed" Grip-Ring Design

VALVES

• Department of Quality Press Valves up to 4"
• Available in Lead Free Options
• Factory Leak Tested
• For Adapters
• & Materials Cost Savings
• For Lay-Lengths
• Potential Leak Paths

DEEPEST CUP DEPTHS

- Better Seat
- Straighter Runs
- Tighter Seal
- Greater Fitting Strength with More Leverage to Resist Bending Forces

LEAK BEFORE PRESS®

- Unpressed Fittings Will Visibly Leak During Low Pressure Testing
- Minimum of Three Leak Paths (120° Apart) on ID of O-Ring
- Radial Orientation of Fitting Does Not Matter - Leak Path is Never More than 45° from Gravitational Bottom
- Featured on **All** Press Fittings and Valves

IDENTIFICATION