

"Apollo" Press

system data

copper press

approved applications

TYPES OF SERVICE	SYSTEM OPERATING CONDITIONS COMMENTS	PRESSURE	TEMPERATURE	EPDM O-RING
FLUIDS AND WATER				
Hot & Cold Potable Water		300PSI	0°F - 250°F	✓
Rainwater Gray Water		300PSI	0°F - 250°F	✓
Chilled Water	Ethylene Propylene Glycol	300PSI	0°F - 250°F	✓
Hydronic Heating	Ethylene Propylene Glycol	300PSI	0°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 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	0°F - 160°F	✓

Consult Apollo Technical Support for information on applications not listed and/or outside the temperature ranges listed above.

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:
- maximum operating pressure:
- temperature: range

EPDM
300 PSI
0°F to 250°F

compliant with

- ASME B16.51
- ICC-ES LC 1002
- uniform plumbing code® (UPC)
- international plumbing code® (IPC)
- international residential code® (IRC)
- national standard plumbing code (NSPC)
- national plumbing code of canada

certifications/
listings

- IAPMO PS-117
- CSA TIL-MSE 13
- NSF/ANSI 61
- NSF/ANSI 372
- ICC-ES PMG-1148

product offering

press fittings

- 45° elbow (P x P)
- 45° elbow — street (P x FTG)
- 90° elbow (P x P)
- 90° elbow — street (P x FTG)
- 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)
- 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)
- tee — female (P x P x FPT)
- union (P x P)
- union — female (P x FPT)
- union — male (P x MPT)
- union — dielectric (P x FPT)

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

for kit listings, please refer to apollovalves.com.
all ApolloPress® valves are available in lead free options;
fittings are naturally lead free..

warranty

50

WARRANTY

LIMITED

YEARS

fittings

5

WARRANTY

MADE IN USA

YEARS

valves

customer service
US 704.841.6000 | CAN 800.443.1603



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press4pg 09/21

"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

large diameter elbows

- short 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 sealing element 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 sealing element.