

system data
carbon steel press

approved applications

TYPE OF SERVICE	COMMENTS	SYSTEM OPERATING CONDITIONS		SEALING ELEMENT	
		PRESSURE	TEMPERATURE	EPDM	HNBR
FLUIDS/WATER					
Chilled Water	Ethylene Glycol ProPylene Glycol	230 psi	Down to -40°F	✓	
Hydronic Heating	Ethylene Glycol ProPylene Glycol	230 psi	0°F - 302°F	✓	
Fire Sprinkler	Compliant with UL and FM for NFPA 13, 13D and 13R	175 psi	Ambient	✓	
Low Pressure Steam	Low Pressure Steam Supply Lines	Up to 15 psi	max. 302°F	✓	
OIL AND LUBRICANT					
Heating Fuel Oil		125 psi	-40°F - 180°F		✓
Diesel Fuel	Compliant with NFPA 30 and 30A	125 psi			✓
Engine Oil		150 psi	Ambient		✓
Gear Grease		150 psi	104°F		✓
Hydraulic Fluid	Mineral Based	230 psi	Ambient		✓
Transmission Fluid		230 psi	Ambient		✓
GASES					
Natural Gas, LP Gas and Fuel Oil		125 psi max.	-40°F - 180°F		✓
Compressed Air	Oil Concentrate < 25mg/m³	230 psi	up to 140°F	✓	✓
	Oil Concentrate > 25mg/m³	230 psi	up to 140°F		✓
Vacuum		Max. 29.2in Hg	up to 140°F	✓	✓
Nitrogen - N₂		230 psi	up to 140°F	✓	✓
Argon - Ar		230 psi	up to 140°F	✓	✓
Carbon Dioxide - CO₂		230 psi	up to 140°F	✓	✓

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

2. All systems are recommended to be clearly labeled with the fluid or gas being conveyed.

approvals & certifications

APPROVALS	STANDARD		GAS	
	FITTINGS	VALVES	FITTINGS	VALVES
ANSI LC4/CSA 6.23	-	-	✓	✓
FM 1920	✓	-	-	-
IAPMO PS 117	✓	-	-	-
IAPMO/ANSI Z1157	-	✓	-	-
Canadian Registration No. (CRN)	✓	✓	✓	✓
UL 213	✓	-	-	-

compliant with

- uniform plumbing code (UPC®)
- uniform mechanical code (UMC®)
- national plumbing code of canada
- international plumbing code (IPC®)
- international fuel gas code (IFGC®)
- ASME B31
- NFPA 13, 13D & 13R, 54 & 58

warranty



operating parameters

Apollo PowerPress® is designed to be used with schedule 10 through 40 thick wall steel pipe (black steel, galvanized steel, and epoxy coated steel) as defined by ASTM A53, A106, A135, A795 standards.

standard

- sealing element: **EPDM**
- maximum operating pressure: **230 PSI**
- temperature range: **-40°F to 304°F**

gas

- sealing element: **HNBR**
- operating pressure: **125 PSI**
- temperature range: **-40°F to 194°F**

product offering

- ball valve (P x P)
- 90° elbow (P x P)
- 90° elbow — street (P x FTG)
- 45° elbow (P x P)
- 45° elbow — street (P x FTG)
- tee (P x P x P)
- tee — reducing (P x P x P)
- tee — reducing Thread Outlet (P x P x FPT)
- cap (P x Cap)
- fitting reducer (FTG x P)
- union (P x P)
- union — female (P x FPT)
- adapter — male (P x MPT)
- adapter — female (P x FPT)
- adapter — flange (P x Flange)
- coupling (P x P)
- coupling — no stop (P x P)
- coupling — reducing (P x P)

"Apollo" PowerPress

carbon steel press



system data

www.apollovalves.com

customer service US 704.841.6000
CAN 800.443.1603

"Apollo" PowerPress

carbon steel press ball valve

- no need for adapters - labor & materials cost savings, shorter lay lengths, and fewer potential leak paths

sealing element protection

- the VCR prevents contamination between the fitting and sealing element
- paint friendly - no need to cover fitting/valve ends when painting Powerpress products

protective shipping cap

- easy color identification:
 - yellow - HNBR/gas
 - green - EPDM/standard
- protects ends during shipping

internal components

- visual control ring (VCR)
- grip-ring
- spacer
- sealing element

double safety

leak before press®

- unpressed fittings will visibly leak during low pressure testing

visual control rings (VCR)

- VCR rings break-away when joint is properly pressed
- color-coded for material identification

markings & identification

- laser etching includes:
 - certifications
 - pressure rating
 - size
 - traceability code
 - country of origin

straighter pipe runs

- deeper cup depths and VCR significantly reduce angular deflection
- VCR acts as a "pipe guide", optimizing pipe positioning for a straight and clean press connection