

"Apollo" POWERPRESS

CARBON STEEL PRESS SYSTEM

Apollo® POWERPRESS is a carbon steel press system designed to be used with Schedule 10 through 40 thick wall steel pipe for sizes ranging from 1/2" through 2".

All Apollo® POWERPRESS fittings and valves are zinc-nickel coated to protect against corrosion and come equipped with either an EPDM or HNBR o-ring. In addition to a mechanical Leak Before Press® system, Apollo® POWERPRESS products feature a patented, color-coded, Visual Inspection Ring (VIR) that clearly indicates when a connection has been pressed. Our innovative VIR technology not only provides installers double assurance when identifying un-pressed connections, it also optimally positions the pipe while pressing, significantly reducing pipe deflection for a far straighter and cleaner press connection. When compared to other carbon press systems, Apollo® POWERPRESS is the undisputed leader in quality and reliability.

FEATURES & BENEFITS

- Leak Before Press® – Un-pressed Fittings Will Visibly Leak During Low Pressure Testing
- Visual Inspection Ring (VIR)
 - Patented
 - Tabs that "Break-Away" When Pressed
 - Color Coded for Easy Identification of Sealing Element Type
 - Acts as a "Pipe Guide", Optimally Positioning the Inserted Pipe, Significantly Reducing Pipe Deflection for a Clean and Straight Connection
 - Protects O-Ring from Debris or Paint
- Increased Cup Depths – Better Seat, Tighter Seal, Straighter Runs
- Color Coded Protective Shipping Cap
 - Protects VIR and Fitting/Valve Ends During Shipping
- Ridgid® XL & Milwaukee Press Tool Compatibility
- Carbon Steel Press Ball Valve
 - First and Only in the Market
 - No Need for Adapters – Materials & Cost Savings, Shorter Laying Lengths, Reduced Likelihood of Potential Leak Paths

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.

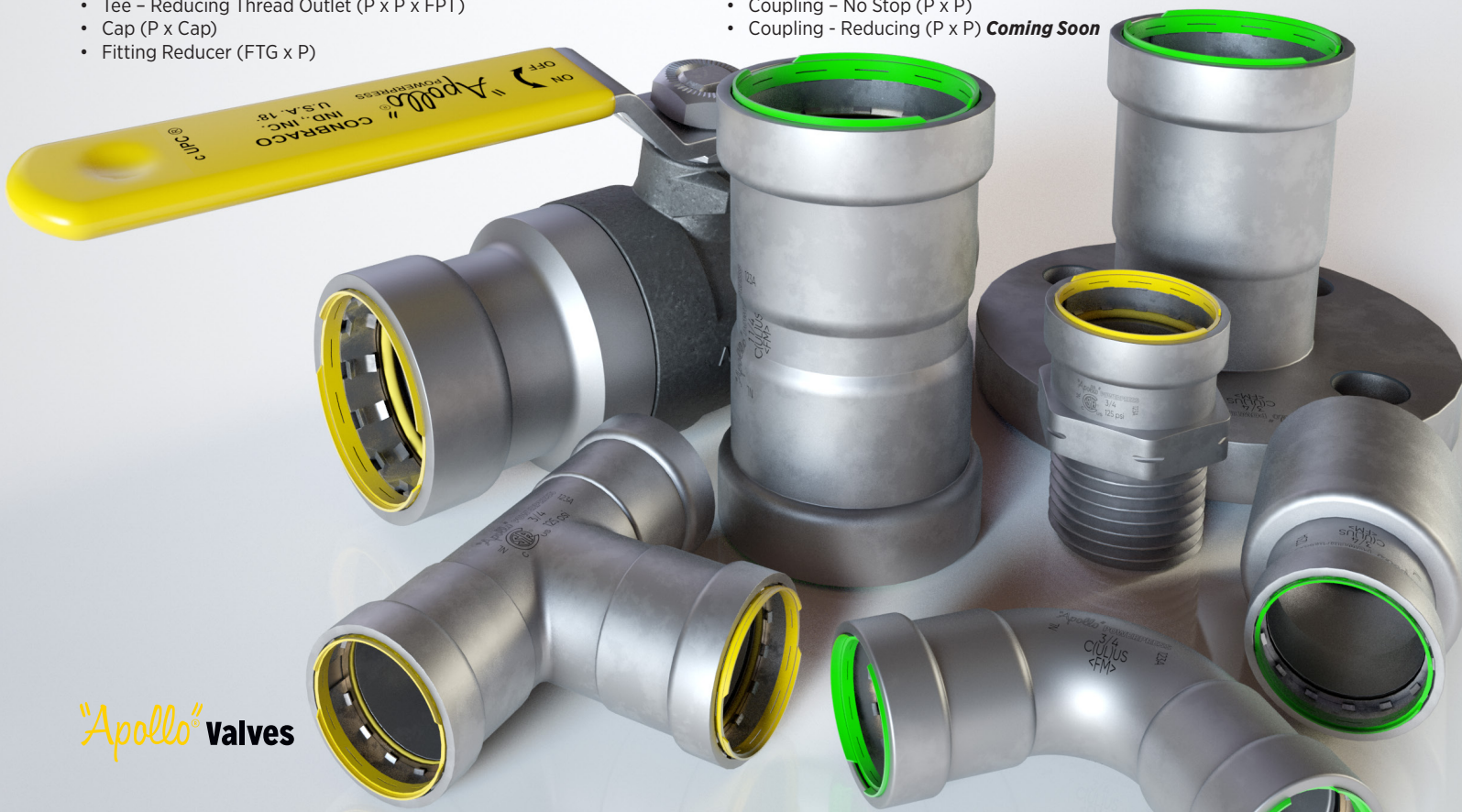
- Sealing Element: EPDM
- Operating Pressure: 230 PSI Max.
- Operating Temperature: -40°F to 304°F
- Sealing Element: HNBR
- Operating Pressure: 125 PSI
- Operating Temperature: -40°F to 194°F

PRODUCT LINE

Apollo® POWERPRESS (non-gas & gas) fittings and ball valves are available in the following configurations for sizes ranging from 1/2" through 2":

- Ball Valve (P x P)
- 90° Elbow (P x P)
- 90° Street Elbow (FTG x P)
- 45° Elbow (P x P)
- 45° Street Elbow (FTG x P)
- 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 (P x FPT) **Coming Soon**
- Adapter - Male (P x MPT)
- Adapter - Female (P x FPT)
- Adapter – Flange (P x Flange)
- Adapter – Grooved (P x Groove) **Coming Soon**
- Coupling (P x P)
- Coupling – No Stop (P x P)
- Coupling - Reducing (P x P) **Coming Soon**

"Apollo" Valves



"Apollo"[®] POWERPRESS

DOUBLE SEAL

- Visual Inspection
- Assure Leak D

VISUAL INSPECTION RINGS (VIR)

- VIR Rings Break-Away When Joint is Properly Pressed
- Color Coded

INTERNAL COMPONENTS

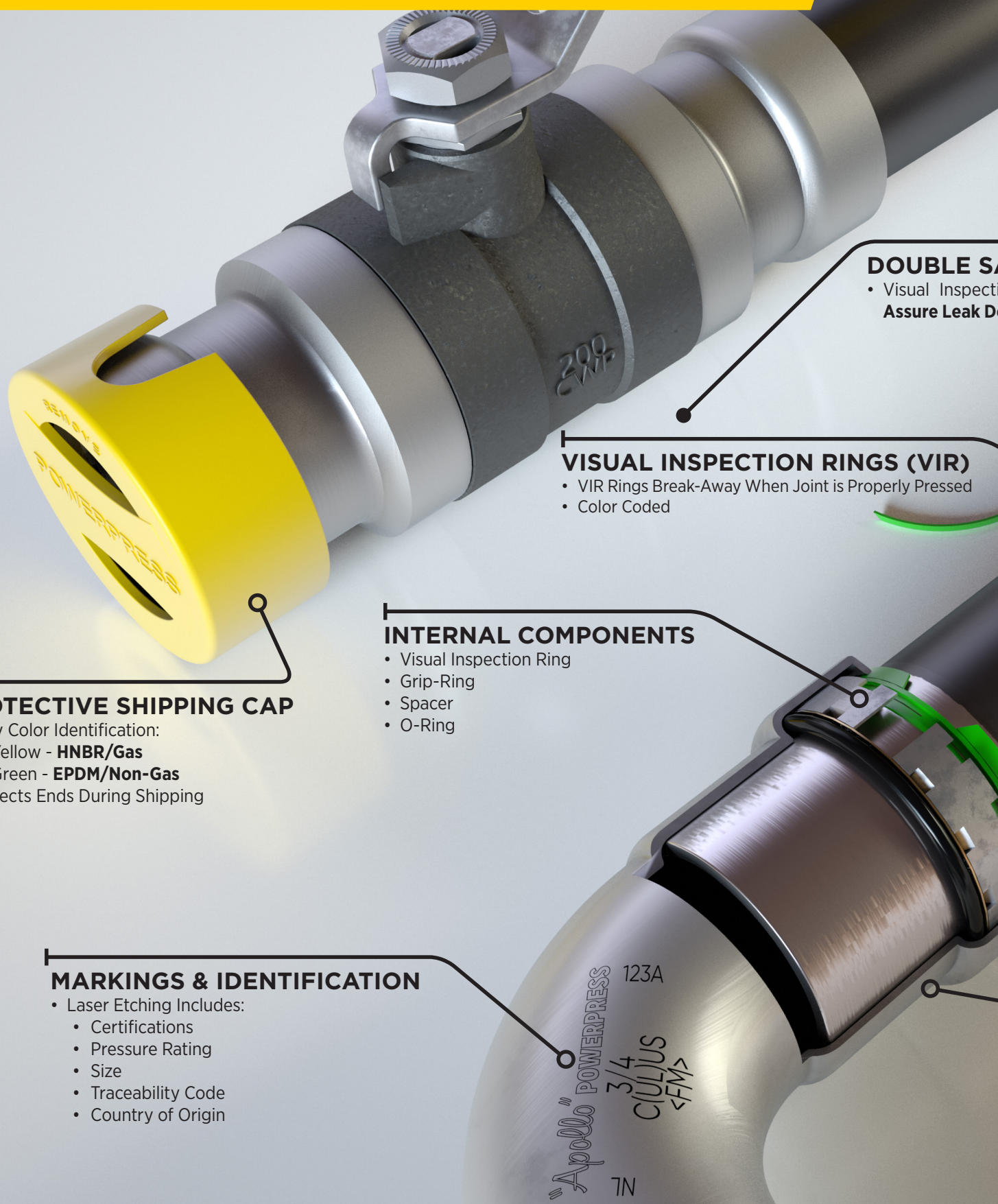
- Visual Inspection Ring
- Grip-Ring
- Spacer
- O-Ring

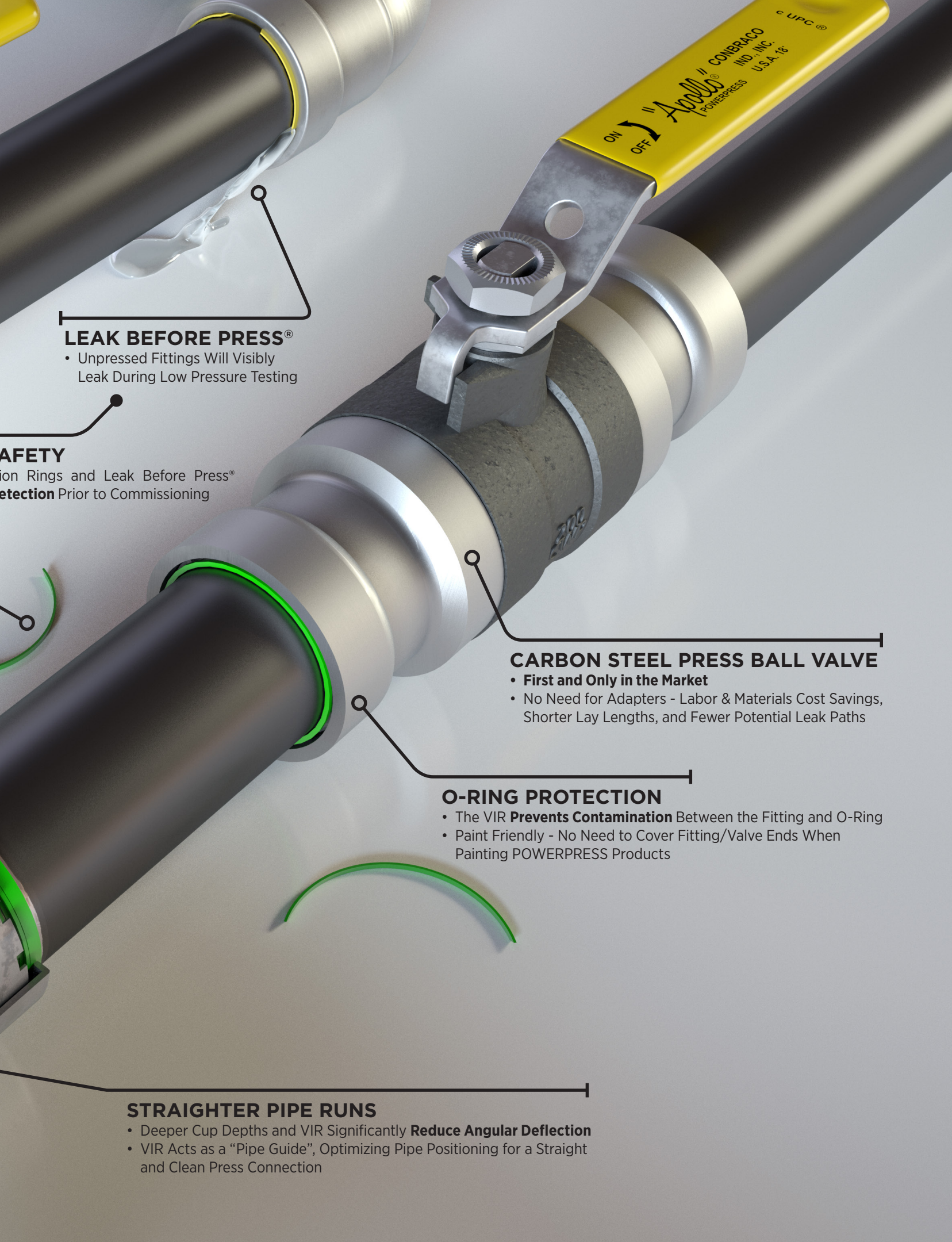
PROTECTIVE SHIPPING CAP

- Easy Color Identification:
 - Yellow - **HNBR/Gas**
 - Green - **EPDM/Non-Gas**
- Protects Ends During Shipping

MARKINGS & IDENTIFICATION

- Laser Etching Includes:
 - Certifications
 - Pressure Rating
 - Size
 - Traceability Code
 - Country of Origin





LEAK BEFORE PRESS®

- Unpressed Fittings Will Visibly Leak During Low Pressure Testing

SAFETY

ion Rings and Leak Before Press®
etection Prior to Commissioning

CARBON STEEL PRESS BALL VALVE

- **First and Only in the Market**
- No Need for Adapters - Labor & Materials Cost Savings, Shorter Lay Lengths, and Fewer Potential Leak Paths

O-RING PROTECTION

- The VIR **Prevents Contamination** Between the Fitting and O-Ring
- Paint Friendly - No Need to Cover Fitting/Valve Ends When Painting POWERPRESS Products

STRAIGHTER PIPE RUNS

- Deeper Cup Depths and VIR Significantly **Reduce Angular Deflection**
- VIR Acts as a "Pipe Guide", Optimizing Pipe Positioning for a Straight and Clean Press Connection

APPROVED APPLICATIONS

TYPE OF SERVICE	SYSTEM OPERATING CONDITIONS			SEALING ELEMENT	
	COMMENTS	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/m ³	230 psi	up to 140°F	✓	✓
	Oil Concentrate > 25mg/m ³	230 psi	up to 140°F		✓
Vacuum		Max. 29.2in Hg	up to 140°F	✓	✓
Nitrogen - N ₂		230 psi	up to 140°F	✓	✓
Argon - Ar		230 psi	up to 140°F	✓	✓
Carbon Dioxide - CO ₂		230 psi	up to 140°F	✓	✓

1. Consult the Apollo® Technical Support Department for information on applications not listed and applications outside the temperature and pressure ranges listed above.
2. All systems are recommended to be clearly labeled with the fluid or gas being conveyed.

APPROVALS & CERTIFICATIONS

(1/2"-2")

APPROVALS	NON-GAS		GAS	
	FITTINGS	VALVES	FITTINGS	VALVES
CSA LC-4	-	-	✓	✓
FM 1630	✓	-	-	-
IAPMO LC-4	-	-	✓	✓
IAPMO PS 117	✓	-	-	-
IAPMO/ANSI-Z157	-	✓	-	-
Canadian Registration No. (CRN)	✓	✓	✓	✓
UL 213	✓	-	-	-
ULC/ORD C213	✓	-	-	-
Uniform Plumbing Code (UPC)	✓	✓	✓	✓
National Plumbing Code of Canada	✓	✓	✓	✓
International Plumbing Code (IPC)	✓	✓	✓	✓
International Fuel Gas Code (IFGC)	-	-	✓	✓
ASME B31.1, B31.3, B31.5, B31.9	✓	✓	✓	✓

COMPLIANT WITH

- Buy American Act (BAA)
- ARRA
- Uniform Plumbing Code (UPC®)
- International Plumbing Code (IPC®)
- International Fuel Gas Code (IFGC®)
- NFPA 13, 13D and 13R, 31, 54 and 58
- ASME B31.1, B31.3, B31.5, B31.9
- CSA B149.1

APPROVED TOOL MANUFACTURERS

- Milwaukee
- Ridgid

WARRANTY

