

# MERIT BRASS

DIRECTING THE FLOW OF *Quality*

## 2024 PRESS OFFERING



**CarbonPress®**  
By Merit Brass Co.

**CopperPress®**  
By Merit Brass Co.

**StainlessPress®**  
Isotubi-USA, By Merit Brass Co.

**MeritPress™**  
By Merit Brass Co.

LEARN MORE



## 800.726.9800

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Merit Brass Headquarters Has An ISO 9001:2015 Registered Quality Management System

[www.meritbrass.com](http://www.meritbrass.com)  
[www.mbwebxpress.com](http://www.mbwebxpress.com)  
[contactus@meritbrass.com](mailto:contactus@meritbrass.com)

# PRODUCTS OF MERIT

Pipe Nipples		
Red Brass (Standard/Extra Heavy) ASTM B687**		1/8" – 6"
Chrome Plated Red Brass ASTM B687**		1/8" – 6"
Stainless Steel (304/L & 316/L) ASTM A733	Schedule 40 Welded	1/8" – 8"
	Schedule 40 & 80 Seamless	1/8" – 3"
Aluminum (6061-40)		1/8" – 4"

Pipe		
Red Brass ASTM B43**	Standard H58 Hard Temper	1/8" – 6"
	Standard 061 Annealed Temper	1/8" – 4"
	Extra Heavy H58 Hard Temper	1/8" – 4"
	Chrome Plated H58 Hard Temper	1/4" – 4"
Stainless Steel (304/L & 316/L) ASTM A312/SA312	Welded Schedule 10	1/2" – 12"
	Schedule 40 Welded	1/8" – 12"
	Schedule 80 Welded	1/8" – 4"
	Schedule 40 Seamless	1/8" – 4"
	Schedule 80 Seamless	1/8" – 4"
Aluminum ASTM B241 (6061-T6) - Standard		1/8" – 6"

Tubing		
Stainless Steel (304/L & 316/L) (0.035, 0.049, 0.065, 0.080, 0.095, 0.109 Walls)	Seamless (ASTM A213/A269)	1/4" – 1"
	Welded (ASTM A249/A269)	1/4" – 1"

Syphons	
Brass**	1/4"
Stainless Steel (304/L & 316/L)	1/4"

Tape	
Stainless Steel PTFE Thread Tape	1/2" & 3/4"

Valves	
Stainless Steel - K Series	1/2" – 6"
Stainless Steel - V Series	1/2" – 3"
Brass - Leaded* & Lead-Free**	1/4" – 4"
Instrumentation	1/4" – 1/2"

Tube Fittings	
Stainless Steel	1/8" – 1"

Fittings			
Brass Threaded ASTM B584 Leaded* Lead-Free**	Domestic (125LB & 250LB)	1/8" – 6"	
	Import (125LB & 250LB)	1/8" – 4"	
	Chrome Plated (125LB)	1/8" – 2"	
Brass Barstock	Domestic (125LB) – Leaded* & Lead-Free**	1/8" – 3/4"	
Stainless Steel (304 & 316)	Cast 150LB (Standard) (AISI 304 & 316)	1/8" – 4"	
	Cast 150LB MSS SP-114	Threaded	1/8" – 4"
		Socket Weld	1/2" – 2"
	Barstock 1000LB ASTM A182 or A479	1/8" – 3"	
	3000LB (Threaded & Socket Weld) ASTM A182	1/8" – 3"	
	Buttweld (Schedules 10 & 40) ASTM A403	1/2" – 12"	
MSS Type A & C Stub Ends ASTM A403	Schedule 10	1/8" – 3"	
	Schedule 40 (Type A Only)	1/2" – 8"	
Carbon Steel Forged A105-N	2000LB Threaded	1/4" – 2"	
	3000LB Threaded	1/8" – 3"	
	3000LB Socket Weld	1/2" – 3"	

Outlets		
Stainless Steel (304/L & 316/L)	Threaded	1/8" – 4"
	Socket Weld	1/2" – 4"
	Buttweld (Schedule 40)	1/2" – 4"
Carbon Steel Forged A105-N	Threaded	1/2" – 4"
	Socket Weld	1/2" – 4"
	Buttweld (Schedule 40)	1/2" – 4"

Flanges			
Brass - Import & Domestic Leaded* & Lead-Free**	Companion (Threaded) (150LB & 300LB) ASTM B584	1/2" – 6"	
Stainless Steel	ANSI 150LB & 300LB (304/L & 316/L) ASTM A182	1/2" – 12"	
	MSS 150LB (304 & 316) ASTM A351	1/2" – 10"	
	Plate (304/L & 316/L) (150LB)	Tube OD Slip On	1-1/2" – 12"
		Blind	1" – 12"
	IPS Slip On	1" – 12"	
Ductile Iron Backup ASTM A536 & Galvanized		1/2" – 12"	

Engineered Products	
CopperPress®	Fittings 1/2" – 4" and Valves 1/2" – 2" (EPDM)
CarbonPress®	Fittings 1/2" – 4" (HNBR, EPDM & FKM)
StainlessPress®	Fittings and Valves 1/2" – 2" (HNBR, EPDM & FKM)
MeritPress®	Fittings 1/2" – 2" (EPDM). See CopperPress® for valves and large OD fittings.

Every precaution has been taken in preparing this sheet. Merit Brass Company cannot be held responsible for omissions or typographical errors.

\* **WARNING:** This product can expose you to Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). Leaded product is not for use in potable water.

\*\* Conforms with lead content requirements for lead-free plumbing as defined by the U.S. Safe Drinking Water Act. Certified <=0.25 weighted average % lead.

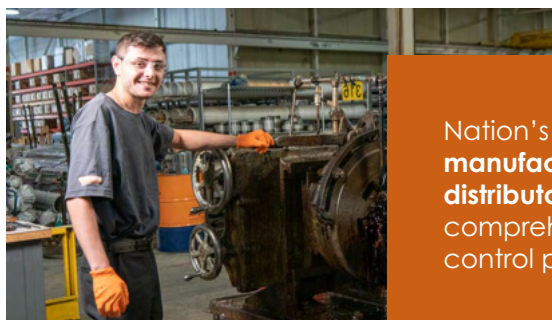
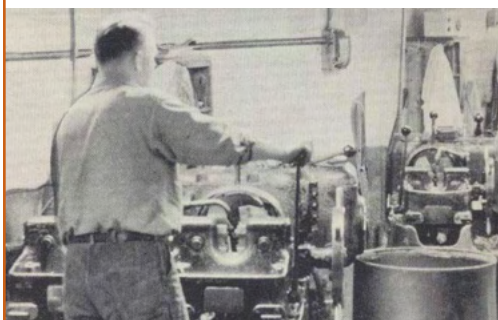
**• Threading Capabilities**

- » NPT (National Pipe Taper)
- » NPTF (National Pipe Taper Fuel & Oil)
- » NPSL (National Pipe Straight Locknut)
- » NPSM (National Pipe Straight Mechanical)
- » NPSH (National Pipe Straight Hose)
- » BSPT (British Standard Pipe Taper)

**• Manufacturing Capabilities**

- » Plain Roller Cut
- » Plain Square Cut
- » Plain Ream & Chamfer
- » Groove (Roll or Cut)
- » Per Print Bending (1/8" - 1" Diameter)
- » Per Print O.D. & I.D. Machining

# Family Owned & Operated Since 1937



Nation's **leading** pipe nipple **manufacturer and master distributor** of the most comprehensive offering of flow control piping **connections**

**Six Convenient Locations** across the United States (Birmingham, Cleveland, Dallas, Houston, Long Beach, Sparks)



**Our Vision** is to set the industry standard for the highest **TOTAL** value of goods & services



# INNOVATIVE SOLUTIONS

## Driven to Provide You Value

Merit Brass is a family-owned and operated business headquartered in Cleveland, Ohio. Founded by Lou Schlessinger and Frank Lifshitz in 1937, Merit is the nation's leading pipe nipple manufacturer and master distributor of flow control piping connections. Our goal is to provide a safe and sustainable infrastructure across all vertical markets (both plumbing and industrial).

Merit Brass' legacy has been built on our commitment to quality, our investment in products that offer our customers with solutions that drive value, and our dedication to the success of our associates & their families through Merit's continued vision.

Merit brings to its customers in-depth market intelligence as part of our partnering relationship because we understand how that insight impacts your corporate initiatives. Our long-term supply chain partners fortify our ability to serve your PVF needs around pipe fittings, pipe flanges, pipe, tubing, valves, and thread tape.



Today, Merit Brass continues to live our legacy of addressing industry needs. In 2022, Merit acquired Supply Source Products, a master distributor of press fittings and valves in carbon, copper, and stainless steel. Merit Brass is proud of those that worked diligently to create our legacy and we celebrate the talent that we have today. Our team is comprised of passionate individuals who possess industry knowledge and experience coupled with a drive for success through improvement.

Our commitment to your Merit Experience is to provide trouble-free and on-time service from order inception all the way through shipment with over 200 associates across six locations. Today, Merit's ownership includes the third generation, Marc Schlessinger (CEO) and Alan Lipp (CEO), with its fourth generation, Kyle Schlessinger and Kevin Lipp, actively working in their careers. Merit's ownership alongside Darren Hilliard (President) continues to live out our legacy of serving our wholesale distribution partners by helping you succeed with high quality piping system connections, our knowledge and education, and our decades of experience.

# Streamlining Project Planning & Execution

Save **up to 30%** in project planning, cost & execution



Supporting Distribution Growth Strategies Through Vertical Market Relationship Building



Training at Every Stage of the Process with Your Success in Mind



Saves Time, Money & Labor

No Soldering or Burn Permit Needed. Shorter Lay Lengths for Those Tighter Spaces

## MERIT'S PRESS OFFERING

Merit Brass has over 85 years of experience in serving the PVF (Pipe, Valve & Fitting) industry with high quality products to support a wide variety of Applications and Industries. As Merit continues to look to the future, and the continued growth of our Company, we have identified Press Fittings as one of the next steps on the path to our next 85 years.

After listening to the voice of customers across varying applications, Merit's team of engineers developed a solution for improving the installation process. With the design of our Visual Indicator Press Ring® (VIPR®) it makes it easy for the installer to identify any unpressed joints in the system (the VIPR® can be easily removed after the fitting has been pressed), cutting down on the number of errors that can occur on the job site. Each press fitting and valve up to 2" has a color coded VIPR® that identifies the sealing element and helps the Installer ensure the correct sealing element is located in the correct part of the installation. Fittings and valves 2.5" and above have an easily removable identification tag, which is also color coded to match the sealing element.

Merit's press fitting and valve offering includes: **CarbonPress®**, **CopperPress®**, **StainlessPress®** and **MeritPress™**. Our press technology is focused on quality, safety, reliability and ease of use. Press joints can be readily achieved using several commercially available pressing tools. Several press fittings are available with male or female threaded ends to enable connectivity with threaded piping systems. Conversion to flanged systems can be made with ANSI Class 125/150 Flange Adapters. Where breaks in pipe work may be needed, the union coupling can be used for quick and easy connections/disconnections. Weld and grooved adapters are available to transition to welded or grooved piping systems.

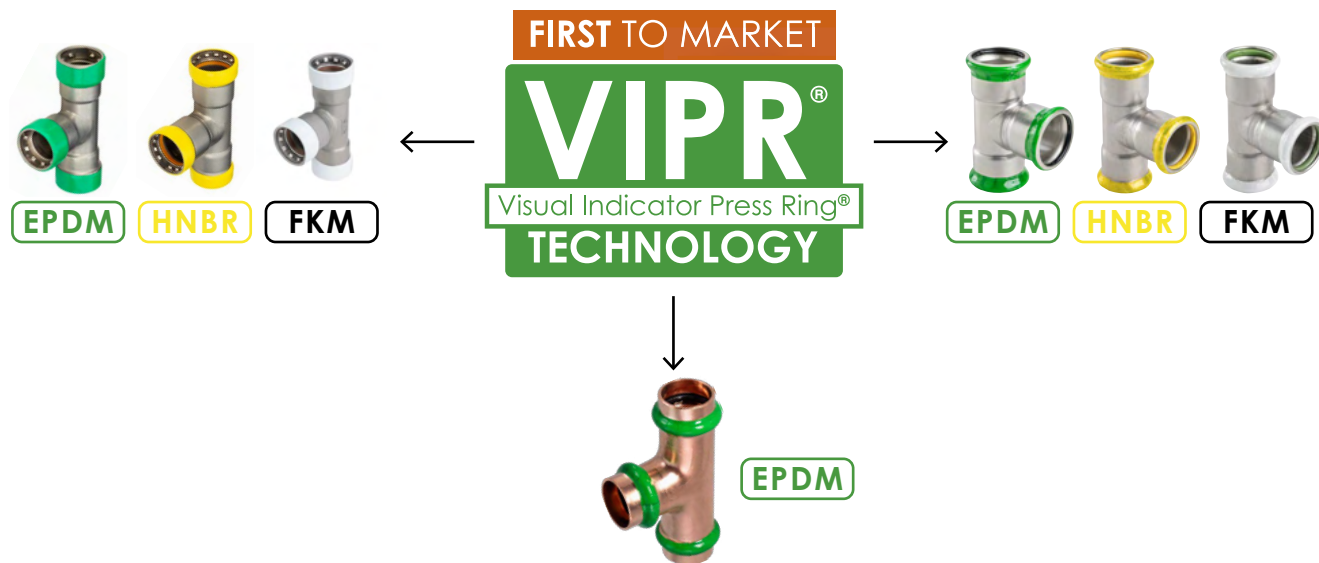
Merit's press fittings and valves also incorporate a unique sealing element design that provides an important Leak-Before-Press (LBP) feature. When the fitting and pipe are pressed together, they deform to create a durable permanent pipe joint, while the sealing element compresses to make the joint leak-proof. An unpressed fitting allows a leak path for liquids and gases, thereby enabling an installer to identify the unpressed fittings easily. The Leak-Before-Press (LBP) feature significantly reduces the chance of unpressed joints, helping to ensure a leak-free system.

- » **CopperPress®** Fittings ½" – 4" and Valves ½" – 2" (EPDM)
- » **StainlessPress®** Fittings and Valves ½" – 2" (HNBR, EPDM, FKM)
- » **CarbonPress®** Fittings ½" – 4" (HNBR, EPDM, FKM)
- » **MeritPress™** Fittings ½" – 2" (EPDM). See CopperPress® for valves and large OD fittings.





# FEATURES & BENEFITS



Packaged in **common industry quantities**



**Most comprehensive** package which can be bundled with pipe, tubing, valves, flanges, pipe nipples and more

**Box, bag and VIPR<sup>®</sup>** are color-coordinated to the sealing element

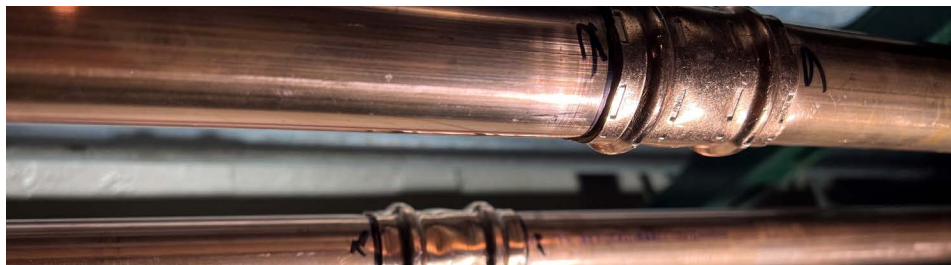
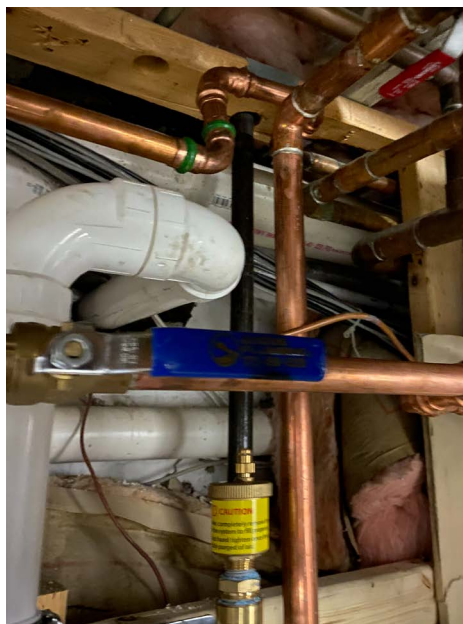
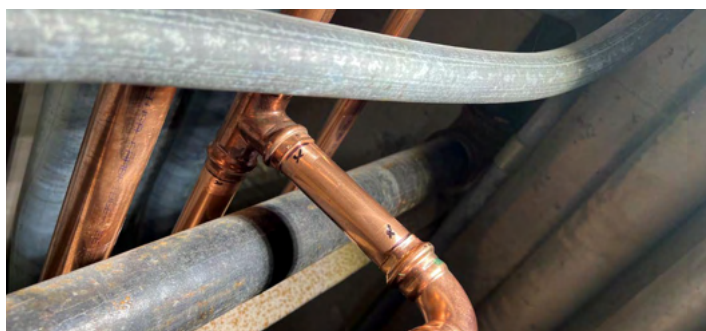
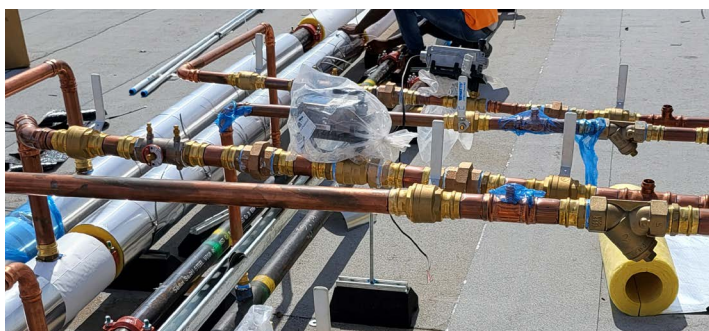
**Engineered sealing elements** are designed to leak before they are pressed, giving a visual indication of a connection that has not been pressed.



All sealing elements are factory **installed & lubricated**

# CopperPress®

By Merit Brass Co.





# SEALING APPLICATIONS


## Fitting Housing

Fittings shall be constructed of UNS C12200 copper or equivalent.

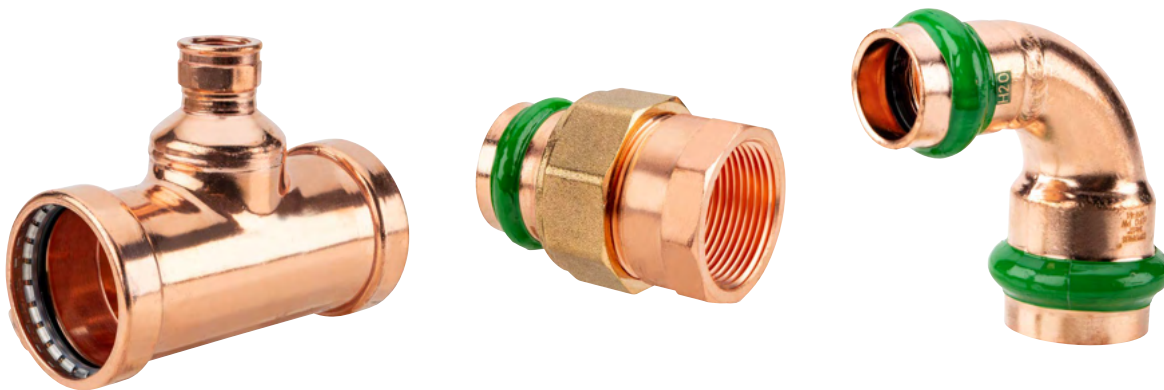
## Working Pressure

Working Pressure Range from Full Vacuum 300 psi.

# SEALING ELEMENT

EPDM SEALING ELEMENT		
<b>EPDM</b>	Ethylene-propylene-diene monomer	
<b>Color</b>	Black	
<b>Temperature</b>	0°F to 250°F	
<b>Common Applications*</b>	Potable Water	
	Hydronic Heating (W/ Glycol)	
	Chilled Water	
<b>Manufacturing Process</b>	Synthetically manufactured & peroxide-cured	
<b>Benefits of Sealing Element</b>	Excellent oxidation resistance	

\*Details of approved applications may be found on page 12.



# COPPERPRESS® FITTINGS & VALVES

## Benefits & Features

- Over 350+ Fittings (0.5" – 4") made from UNS C12200 Copper Tube
- Leak Before Press (LBP) Feature on all Fittings/Valves (0.5" – 4")
- Visual Indicator Press Ring® (VIPR®) on Sizes up to 2"
  - » 2.5" and above has Removable Tag
- Bag/Box is Color Coded to match the VIPR® and Sealing Element for Ease of Identification
  - » Green = EPDM
- Fluid Media Type is Color Coded on the Fitting
  - » Green "H2O" for EPDM
- Can be Installed with all Major Press Tools/Jaws
  - » 0.5" – 2" Press Profile = CTS-V (same as Copper ProPress)
  - » 2.5" – 4" Press Profile = CTS-Grab Ring (same as Copper ProPress)
- 50-year Warranty on CopperPress® Fittings
- 5-year Warranty on CopperPress® Valves

## Pressure & Temperature

- Working Pressure: Range from Full Vacuum to 300 psi
- Temperature Range: 0°F – 250°F



## TOOLING REFERENCE GUIDE

### CopperPress® Tools, Kits, Jaws and Rings

Size	Milwaukee Part #	Tooling Name	Adapter	Ridgid Part #	Tooling Name	Adapter	Profile
0.5" - 4"	2773-20	M18 Force Logic Press Tool		67063	RP 350 Press Tool		
0.5" - 2"	2773-22	M18 Force Logic Press Tool w/Jaws (0.5" - 2")		67053	RP 350 Press Tool w/Jaws (0.5" - 2")		
0.5"	49-16-2650	0.5" M18 Jaw		76652	0.5" Press Jaw		CTS - V
0.75"	49-16-2651	0.75" M18 Jaw		76657	0.75" Press Jaw		CTS - V
1"	49-16-2652	1" M18 Jaw		76662	1" Press Jaw		CTS - V
1.25"	49-16-2653	1.25" M18 Jaw		76667	1.25" Press Jaw		CTS - V
1.5"	49-16-2654	1.5" M18 Jaw		76672	1.5" Press Jaw		CTS - V
2"	49-16-2655	2" M18 Jaw		76677	2" Press Jaw		CTS - V
2.5"	49-16-2656	2.5" M18 Ring	49-16-2659	20543	2.5" Press Ring	21878	CTS - Grab Ring
3"	49-16-2657	3" M18 Ring	49-16-2659	20548	3" Press Ring	21878	CTS - Grab Ring
4"	49-16-2658	4" M18 Ring	49-16-2659	20553	4" Press Ring	21878	CTS - Grab Ring
2.5" - 4"	49-16-2659	Ring Jaw 1		21878	V2 Press Ring Actuator		
2.5" - 4"	49-16-2690	M18 Press Ring Kit (2.5" - 4")		20483	2.5" - 4" Press Rings and V2 Actuator		

CopperPress®, by Merit Brass Co. products can be used with Milwaukee, REMS, Ridgid, and Rothenberger tools with the associated Jaws for K, L, and M Copper Tube. Please contact Merit Brass Co. for additional information.

# SMALL DIAMETER COPPER END PRESS BALL VALVE – SIZES: 1/2" – 2"

## CopperPress® Ball Valve Codes & Standards

- ASME B31.1 Power Piping, B31.3 Process Piping, B31.9 Building Services Piping
- ASME A112.4.14/CSA B125.14 Manually and Automatically Operated Valves for Use in Plumbing Systems
- IPC, IMC, UPC, UMC
- CPC & CMC (California Plumbing and Mechanical Codes)
- City of Los Angeles Plumbing and Mechanical Codes
- Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code
- Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28

## CopperPress® Ball Valve Certifications

- ICC-ES LC 1002 Press Connection Fittings for Potable Water Tube and Radiant Heating Systems
- IAPMO/ANSI/CAN Z1157 Ball Valves
- NSF/ANSI/CAN 61 Drinking Water System Components – Health Effects
- NSF/ANSI/CAN 372 Drinking Water System Components – Lead Content

## Design Features

Designed to be used with ASTM B88 Type K, L and M 1/2" – 2" copper tubing in the hard-drawn condition and soft copper tubing in sizes 1/2" - 1 1/4".

**VIPR® (Visual Indicator Press Ring®)** facilitates immediate identification of un-pressed connections

Suitable for installation in most plumbing and heating systems including hydronic heating, low pressure steam (15 psi max), and potable water

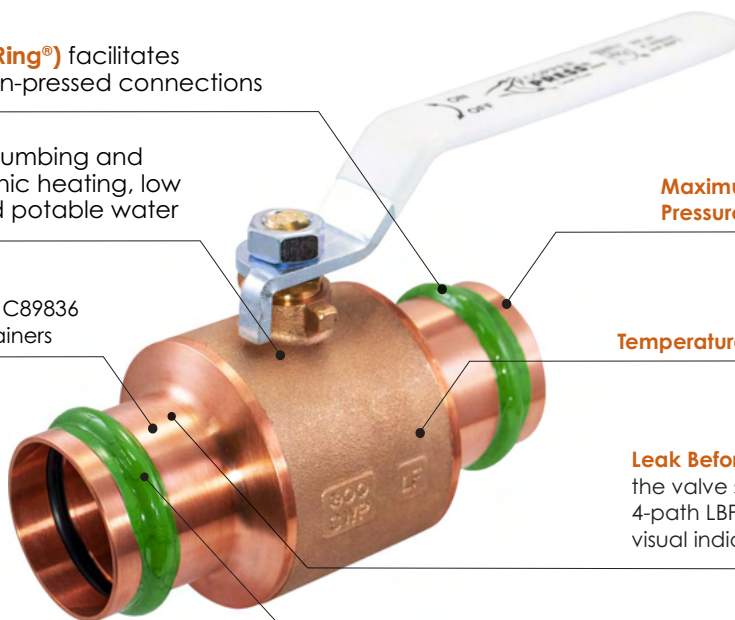
**Lead-Free Construction** - Cast C89836 Bronze Body with Copper Retainers

**Maximum Working Pressure:** 300 psi

**Temperature Range:** 0°F to 250°F

**Leak Before Press** in addition to the VIPR®, the valve sealing element includes a 4-path LBP system that guarantees a visual indication if not pressed

**Copper Ends** protect against dezincification and stress corrosion cracking





# APPROVED APPLICATIONS



Types Of Service		System Operating Conditions			CopperPress® Seal
		Notes	Pressure	Temperature	EPDM
Fluids/ Water	Chilled Water	Ethylene Glycol/Propylene Glycol	300 psi	32°F - 250°F	✓
	Cooling Water	Up to 50% Ethylene Glycol or Propylene Glycol Solution	300 psi	32°F - 250°F	✓
	Hot & Cold Potable Water		300 psi	32°F - 250°F	✓
	Hydronic Heating	Ethylene Glycol/Propylene Glycol	300 psi	32°F - 250°F	✓
	Low-Pressure Steam		Up to 15 psi	248°F	✓
	Rainwater/Gray Water		300 psi	32°F - 250°F	✓
Fuel, Oil & Lubricant	Ethanol	Pure Grain Alcohol	300 psi	32°F - 250°F	✓
Gas	Argon	Welding Use	300 psi	Ambient	✓
	Carbon Dioxide - CO2	Dry	300 psi	32°F - 250°F	✓
	Compressed Air	Less Than 25mg/m3 Oil Content	300 psi	32°F - 250°F	✓
	Hydrogen - H2		125 psi	0°F - 250°F	✓
	Nitrogen - N2		300 psi	32°F - 250°F	✓
	Oxygen - O2 (Non-Med)	Keep Oil and Fat Free/Non-Liquid O2	140 psi	Up to 140°F	✓
	Vacuum		29.2 in Hg	Call	✓

Contact Merit Brass for information regarding specific applications

# EPDM COPPERPRESS® SYSTEM DATA SHEET

The Merit **CopperPress®** system is available in ½" – 4" on fittings and ½" – 2" on valves. This system joins ASTM B88 Type K, L, and M ½" – 4" copper tubing in the hard-drawn condition and soft copper tubing in sizes ½" – 1¼". **CopperPress®** is available in the EPDM sealing element. Our first to market VIPR® technology provides assurances that each fitting is pressed correctly as the band easily removes after it has been pressed. In addition, CopperPress® has a leak before (LBP) press system which gives a visual indication of a connection that has not been pressed.



## The Merit CopperPress® Offering Includes:

- Adapters: Flange, Pex, Male, Female
- Cap
- Couplings: with Stop, No Stop and Extended No Stop
- 45° Elbows: Standard & Street
- 90° Elbows: Standard & Street
- Tees: Standard, Reducing and Reducing (P x FPT)
- Unions: Female, Male, Dielectric Female and Standard
- Cross Over: Street and Standard

## Product Components:

- Lead-free dezincification resistant copper
- EPDM black sealing element
- Box, bag and band are color-coded GREEN for ease of receipt and proper installation per application

## Working Pressure & Temperature:

- Working pressure: range from full vacuum to 300 psi
- Temperature range: 0° to 250°F

## CopperPress® Certifications:

- ICC-ES LC1002
- NSF/ANSI/CAN 61
- NSF/ANSI/CAN 372
- IAPMO Z 1117

## CopperPress® Valve Certifications:

- ICC-ES LC 1002
- IAPMO/ANSI/CAN Z1157
- NSF/ANSI/CAN 61
- NSF/ANSI/CAN 372



## Approved Applications (See Page 12):

- Hot & Cold Potable water, Rainwater/Gray Water, Chilled Water, Hydronic Heating, Cooling water, low pressure steam, ethanol.

## Approved Piping:

- ASTM B88 Type K, L, and M ½" – 4" copper tubing in the hard-drawn condition and soft copper tubing in sizes ½" – 1¼".

## Press Tooling Reference Guide (See Page 10).

Please contact our sales team for additional information around our **CopperPress®** offering at 800.726.9800.



# CarbonPress®

By Merit Brass Co.





# CARBONPRESS® FITTINGS

## Benefits & Features

- Over 450 Fittings (0.5" – 4") Fittings made from ASTM A420 Carbon Steel
- Leak Before Press (LBP) feature on all Fittings
- Visual Indicator Press Ring® (VIPR®)
- Bag/Box is Color Coded to match the VIPR® and Sealing Element for Ease of Identification
  - » Green = EPDM
  - » Yellow = HNBR
  - » White = FKM
- Fluid Media Type is Color Coded on the Fitting
  - » Green "H2O" for EPDM
  - » Yellow "GAS" for HNBR
  - » White "IND" for FKM
- Can be Installed with all Major Press Tools/Jaws
  - » 0.5" – 2" Press Profile = IPS-Grab Ring (same as Carbon Steel MegaPress)
- 15-year Warranty on CarbonPress® Fittings
- FKM is Available Upon Request. Please Contact Your Sales Representative for More Information



## TOOLING REFERENCE GUIDE

### CarbonPress® Tools, Kits, Jaws and Rings

Size	Milwaukee Part #	Tooling Name	Adapter	Ridgid Part #	Tooling Name	Adapter	Profile
0.5" - 2"	2773-20	M18 Force Logic Press Tool		67063	RP 350 Press Tool		
0.5" - 1"	49-16-2696	M18 Black Iron Press Kit (0.5" - 1")		48558	Press Jaw Kit (0.5" - 1")		
0.5" - 2"	49-16-2697	M18 Black Iron Press Kit (0.5" - 2")		48553	Press Jaw Kit (0.5" - 2")		
2.5" - 4"	2773-20L	M18 Force Logic Long Throw Press Tool		60658	Press Booster		
0.5"	49-16-2650B	0.5" M18 Black Iron Press Jaw		37958	0.5" Press Jaw		IPS - Grab Ring
0.75"	49-16-2651B	0.75" M18 Black Iron Press Jaw		37963	0.75" Press Jaw		IPS - Grab Ring
1"	49-16-2652B	1" M18 Black Iron Press Jaw		37968	1" Press Jaw		IPS - Grab Ring
1.25"	49-16-2653B	1.25" M18 Black Iron Press Ring	49-16-2659	37973	1.25" Press Ring	21878	IPS - Grab Ring
1.5"	49-16-2654B	1.5" M18 Black Iron Press Ring	49-16-2659	37978	1.5" Press Ring	21878	IPS - Grab Ring
2"	49-16-2655B	2" M18 Black Iron Press Ring	49-16-2659	37983	2" Press Ring	21878	IPS - Grab Ring
2.5"	49-16-2656B	2.5" M18 Black Iron Press Ring	49-16-2659	60643	2.5" Press Ring	Press Booster	IPS - Grab Ring
3"	49-16-2657B	3" M18 Black Iron Press Ring	49-16-2659	60648	3" Press Ring	Press Booster	IPS - Grab Ring
4"	49-16-2658B	4" M18 Black Iron Press Ring	49-16-2659	64653	4" Press Ring	Press Booster	IPS - Grab Ring
1.25" - 2"	49-16-2659	Ring Jaw 1		21878	V2 Press Ring Actuator		
2.5" - 4"	49-16-2659S	Ring Jaw 2					
2.5" - 4"	49-16-2698	M18 Black Iron Press Kit XL (2.5" - 4")		60638	Press Booster with Press Rings (2.5" - 4")		

CarbonPress®, by Merit Brass Co. products can be used with Milwaukee, REMS, Ridgid, and Rothenberger tools with the associated Jaws for Carbon Steel/Black Iron Pipe. Please contact Merit Brass Co. for additional information.

# SEALING APPLICATIONS


## Fitting Housing

Made from ASTM A420 Carbon Steel with a Zn-Ni plating. See below for common applications.


## Working Pressure

Working Pressure Range from Full Vacuum to 250 psi (17.2 bar) Water, 125 psi (8.6 bar) Gas, 200 psi (13.7 bar) for industrial applications.


EPDM SEALING ELEMENT	
<b>EPDM</b>	Ethylene-propylene-diene monomer
<b>Color</b>	Black
<b>Temperature</b>	-40°F to 300°F (-40°C to 148°C)
<b>Common Applications</b>	Recommended for hot water, dilute acids, alkalis, oil free air and many chemical services. Excellent oxidation resistance. NOT FOR USE WITH HYDROCARBONS
<b>Manufacturing Process</b>	Synthetically manufactured & peroxidically cross-linked
<b>Benefits of Sealing Element</b>	Excellent oxidation resistance



HNBR SEALING ELEMENT	
<b>HNBR</b>	Hydrogenated Nitrile Butadiene Rubber
<b>Color</b>	Yellow
<b>Temperature</b>	-40°F to 200°F (-40°C to 93°C)
<b>Common Applications</b>	Recommended for petroleum products, vegetable oils, mineral oils and air with oils. NOT FOR USE IN HOT WATER OR HOT AIR.
<b>Manufacturing Process</b>	Synthetically manufactured & peroxidically cross-linked
<b>Benefits of Sealing Element</b>	Excellent resilience and tear resistance



FKM SEALING ELEMENT	
<b>FKM</b>	Fluoroelastomer
<b>Color</b>	Brown
<b>Temperature</b>	14°F to 293°F (-10°C to 145°C)
<b>Common Applications</b>	Recommended for oxidizing acids, oils, hydraulic fluids, chlorinated hydrocarbons, and process water. NOT FOR USE WITH AMMONIA
<b>Manufacturing Process</b>	Synthetically manufactured & peroxidically cross-linked
<b>Benefits of Sealing Element</b>	Retains mechanical properties at elevated temperatures



**NOTE:** The FKM Sealing Element is available Upon Request. Please contact your sales representative for more information.

# APPROVED APPLICATIONS



Types of Service		System Operating Conditions				Carbonpress® Seals		
		Notes	Pressure (EPDM/HNBR)	Pressure (FKM)	Temperature	EPDM (Water)	FKM (Ind.)	HNBR (Gas)
Fluids/ Water	Chilled Water	Ethylene Glycol, Propylene Glycol	230 psi	200 psi	Min. -40°F	✓	✓	
	Fire Sprinkler	Compliant with UL & FM for NFPA 13, 13D & 13R	175 psi	175 psi	Ambient	✓	✓	
	Hydronic Heating	Ethylene Glycol, Propylene Glycol	230 psi	200 psi	300°F	✓	✓	
	Low-Pressure System Steam		15 psi max.	15 psi Max.	300°F	✓	✓	
Gases	Argon		230 psi	200 psi	Max. 140°F	✓	✓	✓
	Carbon Dioxide		230 psi	200 psi	Max. 140°F	✓	✓	✓
	Compressed Air	Oil Concentrate <25mg/m3	230 psi	200 psi	Max. 140°F	✓	✓	✓
		Oil Concentrate >25mg/m3	230 psi	200 psi	Max. 140°F		✓	✓
	Natural Gas, LP Gas and Fuel Oil		125 psi max.	125 psi Max.	-40°F to 180°F		✓	✓
	Nitrogen		230 psi	200 psi	Max. 140°F	✓	✓	✓
Vacuum		29.2 in Hg max.	29.2in Hg Max.	Max. 140°F		✓	✓	
Oil & Lubricants	Diesel Fuel	Compliant with NFPA 30 & 30A	125 psi	125 psi			✓	✓
	Engine Oil		150 psi	150 psi	Ambient		✓	✓
	Heating Fuel Oil		125 psi	125 psi	-40°F to 180°F		✓	✓
	Hydraulic Fluid	Mineral Based	230 psi	200 psi	Ambient		✓	✓
	Transmission Fluid		230 psi	200 psi	Ambient		✓	✓

Please note that all systems are recommended to be labeled clearly with the gas or fluid that is being conveyed.

Additionally, please consult Merit's Engineering & Product Line Management Team for information on applications not listed and applications that are outside the temperature and pressure ranges listed above.



# EPDM CARBONPRESS® SYSTEM DATA SHEET

The Merit **CarbonPress**® system is available in ½" – 4". This system joins black iron, epoxy coated, and galvanized schedule 10 to 40 carbon steel pipe.

**CarbonPress**® is available in three sealing elements: EPDM, HNBR and FKM. Our first to market VIPR® technology provides assurances that each fitting is pressed correctly as the band easily removes after it has been pressed. In addition, **CarbonPress**® has a leak before press (LBP) system which gives a visual indication of a connection that has not been pressed.



## The Merit CarbonPress® Offering Includes:

- Adapters: Flange, Male, Female
- Cap
- Couplings: with Stop, No Stop and Extended No Stop
- 45° Elbows: Standard & Street
- 90° Elbows: Standard & Street
- Tees: Standard, Reducing and Reducing (P x FPT)
- Unions: Female and Standard

## Product Components:

CarbonPress® is a carbon steel alloy (ASTM A420) fitting which includes other high-quality components:

- Grab ring is made of 2Cr13 which deforms & grips the outside diameter of pipe to ensure a tight connection
- Separator ring made of 2Cr13
- Corrosion resistant
- Zinc nickel plating
- EPDM black sealing element
- Box, bag and band are color-coded GREEN for ease of receipt and proper installation per application

## Working Pressure & Temperature:

- Working pressure: range from full vacuum to 250 psi (17.2 bar) for water
- Temperature range: -40°F to 300°F (-40°C to 148°C)

## CarbonPress® Certifications:

- IAPMO Z 1117

## Approved Applications (See Page 17):

- Hydronic Heating
- Chilled Water

## Approved Piping:

- Steel pipes conforming to ASTM A53, A106, A135, A795 (schedule 10 to 40) and black iron, epoxy coated and galvanized steel.

## Press Tooling Reference Guide (See Page 15).

Please contact our sales team for additional information around our **CarbonPress**® offering at 800.726.9800.

# HNBR CARBONPRESS® SYSTEM DATA SHEET

The Merit **CarbonPress**® system is available in ½" – 4". This system joins black iron, epoxy coated, and galvanized schedule 10 to 40 carbon steel pipe.

**CarbonPress**® is available in three sealing elements: EPDM, HNBR and FKM. Our first to market VIPR® technology provides assurances that each fitting is pressed correctly as the band easily removes after it has been pressed. In addition, **CarbonPress**® has a leak before press (LBP) system which gives a visual indication of a connection that has not been pressed.



## The Merit CarbonPress® Offering Includes:

- Adapters: Flange, Male, Female
- Cap
- Couplings: with Stop, No Stop and Extended No Stop
- 45° Elbows: Standard & Street
- 90° Elbows: Standard & Street
- Tees: Standard, Reducing and Reducing (P x FPT)
- Unions: Female and Standard

## Product Components:

CarbonPress® is a carbon steel alloy (ASTM A420) fitting which includes other high-quality components:

- Grab ring is made of 2Cr13 which deforms & grips the outside diameter of pipe to ensure a tight connection
- Separator ring made of 2Cr13
- Corrosion resistant
- Zinc nickel plating
- HNBR Yellow sealing element
- Box, bag and band are color-coded YELLOW for ease of receipt and proper installation per application

## Working Pressure & Temperature:

- Working pressure: 125 psi (8.6 bar) for gas
- Temperature range: -40°F to 200°F (-40°C to 93°C)

## CarbonPress® Certifications:

- IAPMO/ANSI 4/CSA 6.32

## Approved Applications (See Page 17):

- Fuel Gas Applications

## Approved Piping:

- Steel pipes conforming to ASTM A53, A106, A135, A795 (schedule 10 to 40) and black iron, epoxy coated and galvanized steel.

## Press Tooling Reference Guide (See Page 15).

Please contact our sales team for additional information around our **CarbonPress**® offering at 800.726.9800.

# FKM CARBONPRESS® SYSTEM DATA SHEET

The Merit **CarbonPress**® system is available in ½" – 4". This system joins black iron, epoxy coated, and galvanized schedule 10 to 40 carbon steel pipe.

**CarbonPress**® is available in three sealing elements: EPDM, HNBR and FKM. FKM is available upon request. Please contact your sales representative for more information. Our first to market VIPR® technology provides assurances that each fitting is pressed correctly as the band easily removes after it has been pressed. In addition, **CarbonPress**® has a leak before press (LBP) system which gives a visual indication of a connection that has not been pressed.



## The Merit CarbonPress® Offering Includes:

- Adapters: Flange, Male, Female
- Cap
- Couplings: with Stop, No Stop and Extended No Stop
- 45° Elbows: Standard & Street
- 90° Elbows: Standard & Street
- Tees: Standard, Reducing and Reducing (P x FPT)
- Unions: Female and Standard

## Product Components:

CarbonPress® is a carbon steel alloy (ASTM A420) fitting which includes other high-quality components:

- Grab ring is made of 2Cr13 which deforms & grips the outside diameter of pipe to ensure a tight connection
- Separator ring made of 2Cr13
- Corrosion resistant
- Zinc nickel plating
- FKM brown sealing element
- Box, bag and band are color-coded Brown for ease of receipt and proper installation per application

## Working Pressure & Temperature:

- Working pressure: 200 psi (13.7 bar) for industrial applications
- Temperature range: 14°F to 293°F (-10°C to 145°C)

## CarbonPress® Certifications:

- IAPMO Z 1117

## Approved Applications (See Page 17):

- Hydronic Heating
- Chilled Water

## Approved Piping:

- Steel pipes conforming to ASTM A53, A106, A135, A795 (schedule 10 to 40) and black iron, epoxy coated and galvanized steel.

## Press Tooling Reference Guide (See Page 15).

Please contact our sales team for additional information around our **CarbonPress**® offering at 800.726.9800.





# STAINLESS PRESS® FITTINGS & VALVES

## Benefits & Features

- Over 500 Fittings (0.5" – 2") Fittings made from ANSI 316L Stainless Steel
- Leak Before Press (LBP) feature on all Fittings
- VIPR® (Visual Indicator Press Ring®)
- Bag/Box is Color Coded to match the VIPR® and Sealing Element for Ease of Identification
  - » Green = EPDM
  - » Yellow = HNBR
  - » White = FKM
- Can be Installed with all Major Press Tools/Jaws
  - » 0.5" – 2" Press Profile = IPS-M
- 15-year Warranty on StainlessPress® Fittings
- 5-year Warranty on StainlessPress® Ball Valves
- FKM is Available Upon Request. Please Contact Your Sales Representative for More Information



## TOOLING REFERENCE GUIDE

### StainlessPress® Tools, Kits, Jaws and Rings

Size	Milwaukee Part #	Tooling Name	Adapter	Press Profile
0.5" - 1.25"	2773-20	M18 Force Logic Press Tool		
1.5" - 2"	2773-20L	M18 Force Logic Long Throw Press Tool		
0.5"	49-16-2650S	0.5" M18 IPS-IA Jaw		IPS - M
0.75"	49-16-2651S	0.75" M18 IPS-IA Jaw		IPS - M
1"	49-16-2652S	1" M18 IPS-IA Jaw		IPS - M
1.25"	49-16-2653S	1.25" M18 IPS-IA Ring	49-16-2659	IPS - M
1.5"	49-16-2654S	1.5" M18 IPS-IA Ring	49-16-2659S	IPS - M
2"	49-16-2655S	2" M18 IPS-IA Ring	49-16-2659S	IPS - M
1.25"	49-16-2659	Ring Jaw 1		
1.5" - 2"	49-16-2659S	Ring Jaw 2		
1.25" - 2"	49-16-2691S	M18 IPS-IA Press Ring Kit (1.25" - 2")		

StainlessPress®, by Merit Brass Co. products can be used with Milwaukee, REMS, Ridgid, and Rothenberger tools with the associated Jaws for Stainless Steel Pipe, and IPS-M Profile Press Fittings. Please contact Merit Brass Co. for additional information.

# THREE PIECE BALL VALVE | SIZES: 1/2" – 2"

## StainlessPress® Ball Valve Codes & Standards

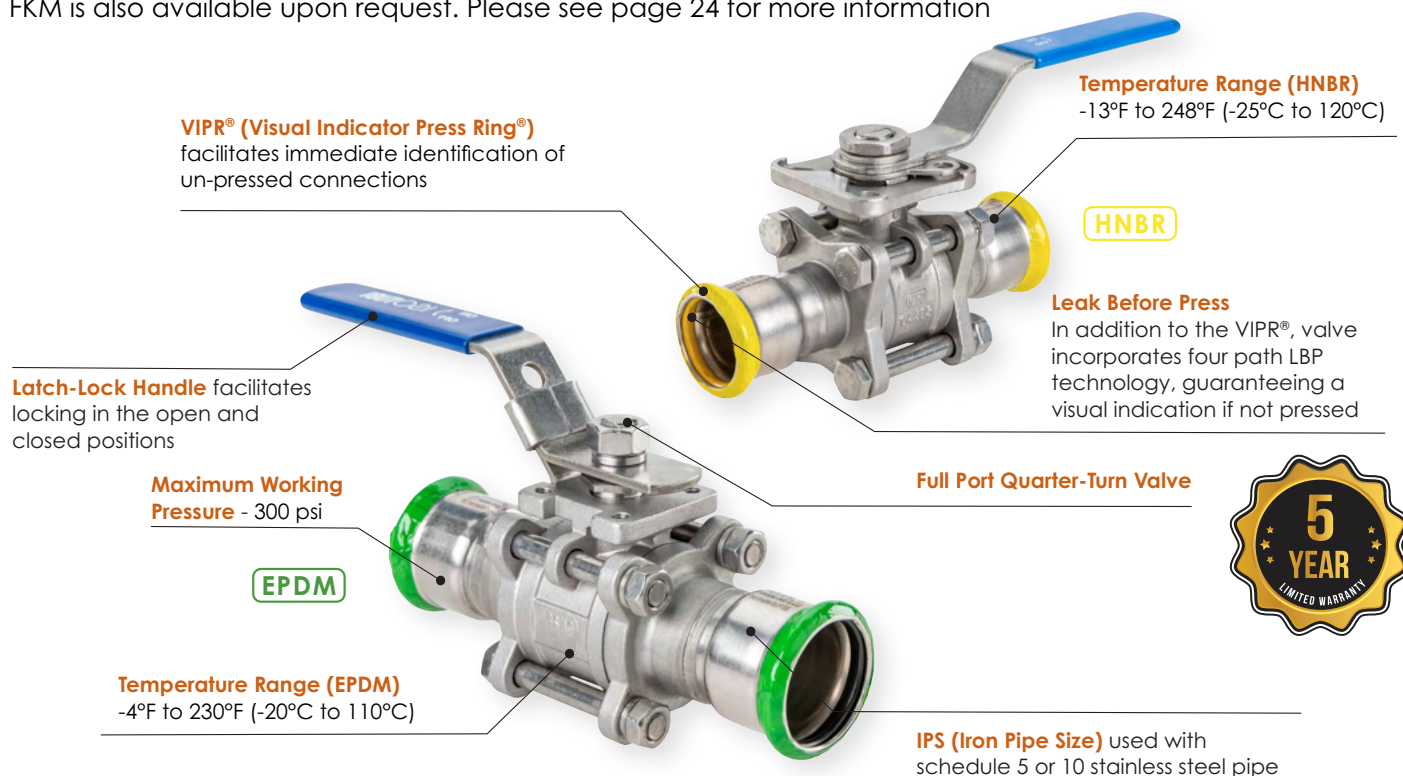
- In compliance with the Buy American Act
- ASME B31.1 Power Piping, B31.3 Process Piping, B31.9 Building Services Piping
- IPC, IMC, UPC, UMC
- CPC & CMC (California Plumbing and Mechanical Codes)
- City of Los Angeles Plumbing and Mechanical Codes
- Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code
- Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28
- National Standard Plumbing Code (NSPC)
- National Plumbing Code of Canada (NPCC)

## StainlessPress® Valve Certifications

- ICC-ES LC 1002 Press Connection Fittings for Potable Water Tube and Radiant Heating Systems
- IAPMO/ANSI/CAN Z1157 Ball Valves
- NSF/ANSI/CAN 61 Drinking Water System Components – Health Effects (EPDM Only)
- NSF/ANSI/CAN 372 Drinking Water System Components – Lead Content (EPDM Only)

## Design Features

FKM is also available upon request. Please see page 24 for more information





# CHEMICAL COMPATIBILITY CHART

	Chemical	Chemical Formulas	316 SS	StainlessPress® Seals			Valve Seat
				EPDM	HNBR	FKM	PTFE
<b>Acids</b>	Acetic Acid 5%	$C_2H_4O_2$	A	A	B	A	A
	Acetic Acid 10%	$C_2H_4O_2$	A	A	C	B	A
	Acetic Acid Glacial	$C_2H_4O_2$	A	A	B	D	A
	Boric Acid 20%	$H_3BO_3$	A	A	A	A	A
	Nitric Acid 20°C	$HNO_3$	A	D	D	B	A
<b>Bases</b>	Ammonium Hydroxide Concentrated	$NH_4OH$	A	A	D	B	A
	Potassium Hydroxide 50% 20°C	KOH	A	A	B	D	A
<b>Gases</b>	Acetylene	$C_2H_2$	A	A	A	A	A
	Air		A	A	A	A	A
	Argon	Ar	A	A	A	A	A
	Butane	$C_4H_{10}$	A	D	A	A	A
	Carbon Dioxide	$CO_2$	A	A	A	A	A
	Carbon Monoxide	CO	A	A	A	A	A
	Ethyl Chloride (no moisture)	$C_2H_5Cl$	A	B	A	A	A
	Helium	He	A	A	A	A	A
	Hydrogen	$H_2$	A	A	A	A	A
	Hydrogen Sulfide	$H_2S$	A	A	A	D	A
	Methane	$CH_4$	A	D	A	A	A
	Neon	Ne	A	A	A	A	A
	Nitrogen	N	A	A	A	A	A
	Propane	$C_3H_8$	A	D	A	A	A
Xenon	Xe	A	A	A	A	A	
<b>Alcohols</b>	Amyl Alcohol	$C_5H_{11}OH$	A	A	B	B	A
	Butyl Alcohol (Butanol)	$C_4H_{10}O$	A	B	A	A	A
	Ethyl Alcohol < 80%	$C_2H_6O$	A	A	A	B	A
	Ethyl Alcohol > 80%	$C_2H_6O$	A	A	A	B	A
	Glycerine (Glycerol)	$C_3H_5(OH)_3$	A	A	A	A	A
	Isopropyl Alcohol	$C_3H_8O$	A	A	B	A	A
	Methanol	$CH_3OH$	A	A	A	D	A

Recommendations shown above are general in nature. Product service life for a given application is dependent on actual media mixture, pressure, temperature and operational (cycling) parameters. Contact [sales@meritbrass.com](mailto:sales@meritbrass.com) if you have questions or wish to inquire about compatibility with chemicals not shown in the chart.

**A = Recommended**

**B = Minor Effect**

**C = Moderate Effect**

**D = Unsatisfactory**

# SEALING APPLICATIONS


## Fitting Housing


Made from 316 Stainless Steel.


## Working Pressure

Working Pressure Range from Full Vacuum 300 psi.

See below tables for common applications and benefits of the sealing element. Details of approved applications may be found on page 24.

EPDM SEALING ELEMENT		
<b>EPDM</b>	Ethylene-propylene-diene monomer	
<b>Color</b>	Black	
<b>Temperature</b>	<b>Fittings &amp; Valves:</b> -4°F to 230°F (-20°C to 110°C)	
<b>Common Applications</b>	Recommended for hot water, dilute acids, alkalis, oil free air and many chemical services. Excellent oxidation resistance. NOT FOR USE WITH HYDROCARBONS	
<b>Manufacturing Process</b>	Synthetically manufactured & peroxide-cured	
<b>Benefits of Sealing Element</b>	Excellent oxidation resistance	

HNBR SEALING ELEMENT		
<b>HNBR</b>	Hydrogenated Nitrile Butadiene Rubber	
<b>Color</b>	Yellow	
<b>Temperature</b>	<b>Fittings:</b> -31°F to 248°F (-35°C to 120°C)   <b>Valves:</b> -13°F to 248°F (-25°C to 120°C)	
<b>Common Applications</b>	Recommended for petroleum products, vegetable oils, mineral oils and air with oils. NOT FOR USE IN HOT WATER OR HOT AIR.	
<b>Manufacturing Process</b>	Synthetically manufactured & peroxide-cured	
<b>Benefits of Sealing Element</b>	Excellent resilience and tear resistance	

FKM SEALING ELEMENT		
<b>FKM</b>	Fluoroelastomer	
<b>Color</b>	Green	
<b>Temperature</b>	<b>Fittings &amp; Valves:</b> -4°F to 356°F (-20°C to 180°C)	
<b>Common Applications</b>	Recommended for oxidizing acids, oils, hydraulic fluids, chlorinated hydrocarbons, and process water. NOT FOR USE WITH AMMONIA.	
<b>Manufacturing Process</b>	Synthetically manufactured & peroxide cured	
<b>Benefits of Sealing Element</b>	Retains mechanical properties at elevated temperatures	

**NOTE:** The FKM Sealing Element is available Upon Request. Please contact your sales representative for more information.

# EPDM STAINLESSPRESS®

## SYSTEM DATA SHEET

The Merit **StainlessPress**® system is available in ½" – 2" on fittings and ½" – 2" on valves. This system joins 304 or 316 Stainless steel pipe in schedules 5 or 10. **StainlessPress**® is available in the EPDM, HNBR and FKM sealing elements. Our first to market VIPR® technology provides assurances that each fitting is pressed correctly as the band easily removes after it has been pressed. In addition, **StainlessPress**® has a Leak Before Press (LBP) System which gives a visual indication of a connection that has not been pressed.

### The Merit **StainlessPress**® Offering Includes:

- Adapters: Flange, Transition, Weld, Van Stone Flange, Male, Female
- Cap
- Couplings: With Stop and w/o Stop
- 90° Elbows: Standard & Street
- 45° Elbows: Standard & Street
- Tees: Equal, Reducing and Reducing (P x FPT)
- Unions: Standard
- Ball Valves

### Product Components:

**StainlessPress**® is a 316 stainless steel alloy fitting which includes other high quality components:

- Corrosion resistant
- EPDM black sealing element
- Box, bag and band are color-coded GREEN for ease of receipt and proper installation per application

### Working Pressure & Temperature:

- Working pressure from full vacuum to 300 psi on schedule 5 or 10 stainless steel pipe
- Fitting and Valve temperature range: -4°F to 230°F (-20°C to 110°C)

### **StainlessPress**® Certifications:

- ICC-ES LC 1002 Press Connection Fittings for Potable Water Tube and Radiant Heating Systems
- IAPMO/ANSI/CAN Z1117 Press Connections
- NSF/ANSI/CAN 61 Drinking Water System

Components – Health Effects

- NSF/ANSI/CAN 372 Drinking Water System Components – Lead Content
- FM 1920 Pipe Coupling and Fittings for Above Ground Fire Protection Systems
- American Bureau of Shipping Product Design Assessment (PDA) Certificate 1-5-PR1438892-PDA, Piping System and Couplings

### **StainlessPress**® Ball Valve Certifications:

- ICC-ES LC 1002 Press Connection Fittings for Potable Water Tube and Radiant Heating Systems
- IAPMO/ANSI/CAN Z1157, NSF 61/372 Ball Valves
- NSF/ANSI/CAN 61 Drinking Water System Components - Health Effects
- NSF/ANSI/CAN 372 Drinking Water System Components - Lead Content

**NOTE:** Code, standard and certification compliance is sealing element dependent. Only products with EPDM seals are suitable for potable water applications. Contact Merit Brass Customer Service for additional information.

### Approved Applications:

Please refer to our chemical compatibility chart (see page 24).

### Approved Piping:

Stainless steel schedule 5 or schedule 10 stainless steel IPS pipe.

**Press Tooling Reference Guide** (See Page 22).

Please contact our sales team for additional information around our **StainlessPress**® offering at 800.726.9800.



# HNBR STAINLESSPRESS® SYSTEM DATA SHEET

The Merit **StainlessPress**® system is available in ½" – 2" on fittings and ½" – 2" on valves. This system joins 304 or 316 Stainless steel pipe in schedules 5 or 10. **StainlessPress**® is available in the EPDM, HNBR and FKM sealing elements. Our first to market VIPR® technology provides assurances that each fitting is pressed correctly as the band easily removes after it has been pressed. In addition, **StainlessPress**® has a Leak Before Press (LBP) System which gives a visual indication of a connection that has not been pressed.

## The Merit **StainlessPress**® Offering Includes:

- Adapters: Flange, Transition, Weld, Van Stone Flange, Male, Female
- Cap
- Couplings: With Stop and w/o Stop
- 90° Elbows: Standard & Street
- 45° Elbows: Standard & Street
- Tees: Equal, Reducing and Reducing (P x FPT)
- Unions: Standard
- Ball Valves

## Product Components:

**StainlessPress**® is a 316 stainless steel alloy fitting which includes other high quality components:

- Corrosion resistant
- HNBR yellow sealing element
- Box, bag and band are color-coded YELLOW for ease of receipt and proper installation per application

## Working Pressure & Temperature:

- Working pressure: from full vacuum to 300 psi on schedule 5 or 10 stainless steel pipe
- Fitting temperature range: -31°F to 248°F (-35°C to 120°C)
- Valve temperature range: -13°F to 248°F (-25°C to 120°C)

## **StainlessPress**® Certifications:

- ICC-ES LC 1002 Press Connection Fittings for Potable Water Tube and Radiant Heating Systems

- IAPMO/ANSI/CAN Z1117 Press Connections
- FM 1920 Pipe Coupling and Fittings for Above Ground Fire Protection Systems
- American Bureau of Shipping Product Design Assessment (PDA) Certificate 1-5-PR1438892-PDA, Piping System and Couplings

## **StainlessPress**® Ball Valve Certifications:

- ICC-ES LC 1002 Press Connection Fittings for Potable Water Tube and Radiant Heating Systems
- IAPMO/ANSI/CAN Z1157, NSF 61/372 Ball Valves

**NOTE:** Code, standard and certification compliance is sealing element dependent. Only products with EPDM seals are suitable for potable water applications. Contact Merit Brass Customer Service for additional information.

## Approved Applications:

Please refer to our chemical compatibility chart (see page 24).

## Approved Piping:

Stainless steel schedule 5 or schedule 10 stainless steel IPS pipe .

## Press Tooling Reference Guide (See Page 22).

Please contact our sales team for additional information around our **StainlessPress**® offering at 800.726.9800.

# FKM STAINLESSPRESS® SYSTEM DATA SHEET

The Merit **StainlessPress**® system is available in ½" – 2" on fittings and ½"– 2" on valves. This system joins 304 or 316 Stainless steel pipe in schedules 5 or 10. **StainlessPress**® is available in the EPDM, FKM and HNBR sealing elements. FKM is available upon request. Please contact your sales representative for more information. Our first to market VIPR® technology provides assurances that each fitting is pressed correctly as the band easily removes after it has been pressed. In addition, **StainlessPress**® has a Leak Before Press (LBP) System which gives a visual indication of a connection that has not been pressed.

## The Merit **StainlessPress**® Offering Includes:

- Adapters: Flange, Transition, Weld, Van Stone Flange, Male, Female
- Cap
- Couplings: With Stop and w/o Stop
- 90° Elbows: Standard & Street
- 45° Elbows: Standard & Street
- Tees: Equal, Reducing and Reducing (P x FPT)
- Unions: Standard
- Ball Valves

## Product Components:

**StainlessPress**® is a 316 stainless steel alloy fitting which includes other high quality components:

- Corrosion resistant
- FKM green sealing element
- Box, bag and band are color-coded WHITE for ease of receipt and proper installation per application

## Working Pressure & Temperature:

- Working pressure: from full vacuum to 300 psi on schedule 5 or 10 stainless steel pipe
- Fitting and Valve temperature range: -4°F to 356°F (-20°C to 180°C).

## **StainlessPress**® Certifications:

- ICC-ES LC 1002 Press Connection Fittings for Potable Water Tube and Radiant Heating Systems
- IAPMO/ANSI/CAN Z1117 Press Connections

- FM 1920 Pipe Coupling and Fittings for Above Ground Fire Protection Systems
- American Bureau of Shipping Product Design Assessment (PDA) Certificate 1-5-PR1438892-PDA, Piping System and Couplings

## **StainlessPress**® Ball Valve Certifications:

- ICC-ES LC 1002 Press Connection Fittings for Potable Water Tube and Radiant Heating Systems
- IAPMO/ANSI/CAN Z1157, NSF 61/372 Ball Valves

**NOTE:** Code, standard and certification compliance is sealing element dependent. Only products with EPDM seals are suitable for potable water applications. Contact Merit Brass Customer Service for additional information.

## Approved Applications:

Please refer to our chemical compatibility chart (see page 24).

## Approved Piping:

Stainless steel schedule 5 or schedule 10 stainless steel IPS pipe.

## Press Tooling Reference Guide (See Page 22).

Please contact our sales team for additional information around our **StainlessPress**® offering at 800.726.9800.



# STAINLESS STEEL PIPE

## Features

- Available in ½" – 12" & 16"
- Welded and Seamless
- Welded pipe available in bundles and sub-bundles
- Schedules 10, 40 and 80
- Schedule 10 Mates with StainlessPress® Fittings
- Meets ASTM A-312/ASME SA-312 Specification
- Meets NSF/ANSI 372 as a Lead-Free Product



Used in Water Treatment, Wastewater Treatment, Oil, Gas, Chemical, Pharmaceutical, Medical, Commercial Plumbing, Residential Plumbing, Automotive, Transportation, Architecture, Construction, Power Generation, Food, Beverage, Pulp, Paper, OEM, and Petrochemical Applications

## Standard Labeling

For welded pipe, all bundles are marked with a unique QR Code, which contains:



- Sub-Bundle Quantity Detail
- Merit Brass Co.'s Part Number
- ASTM A312/A312 Specification
- Alloy (304/L or 316/L)
- Diameter
- Merit Brass Purchase Order Number
- Bundle Quantity Detail
- Heat Number
- Date of Packaging

Merit offers regular flatbed services on our **WOW (Warehouse on Wheels)** Runs to safely transport your pipe. Available at all of our convenient locations







CarbonPress®  
By Merit Brass Co.

CopperPress®  
By Merit Brass Co.

StainlessPress®  
Isotubi-USA, By Merit Brass Co.

MeritPress™  
By Merit Brass Co.



# PRESS TECHNOLOGY TRAINING CERTIFICATION

## This Certificate Verifies That

Has successfully completed training for the installation of **CarbonPress®**, **CopperPress®**, **StainlessPress®**, **Isotubi-USA**, and **MeritPress™** by Merit Brass Co. fittings and valves.

*Certification valid for 2 years from date shown.*

Date \_\_\_\_\_ Trainer's Initials \_\_\_\_\_

www.meritbrass.com | contactus@meritbrass.com | 800.726.9800



**CarbonPress®**  
By Merit Brass Co.

**CopperPress®**  
By Merit Brass Co.

**StainlessPress®**  
Isotubi-USA, By Merit Brass Co.

**MeritPress™**  
By Merit Brass Co.



## LOCATIONS

**SPARKS DISTRIBUTION CENTER**  
200 Vista Boulevard Suite #106  
Sparks, NV 89434

**LONG BEACH PIPE DEPOT**  
2396 E. Artesia Blvd  
Long Beach, CA 90805

**DALLAS DISTRIBUTION CENTER**  
10614 King William Drive  
Dallas, TX 75220

**CLEVELAND HEADQUARTERS**  
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