



Innovative Solutions Driven to Provide Value to Your System



From Planning to Projects to Training Through to Distribution Innovative Solutions Driven to Provide Value

> Streamlining Project Planning & Execution

Owner

Engineering

General Contractor

Innovation with Design in Mind to Save Time, Money & Labor

Mechanical Contractor

Plumbing Contractor Project

Management

Project Takeoffs & Design

- Training at Every Stage of the Process with Your Success in Mind
- Supporting Distribution Growth Strategies Through Vertical Market Relationship Building

BENEFITS & FEATURES

4 Path* Leak Before Press (LBP) System

FIRST TO MARKET

➤ VIPR®

Visual Indicator Press Ring®

- > 50-Year Limited Warranty
- > IPS (Iron Pipe Size)
- Box, Bag & Ring
 Are Color-Coordinated to the Sealing Element
- > Mates with \$5 & \$10, 304 & 316 Stainless Steel Pipe
- ➤ Origin: Barcelona, Spain
- > Buy American Act
- > 316 Stainless Steel ASTM Spec



Description	Size Range for All Sealing Element Materials			
316 StainlessPress® Coupling with Stop	1/2" - 2"			
316 StainlessPress® Coupling without Stop	1/2" - 2"			
316 StainlessPress® 90° Elbow	1/2" - 2"			
316 StainlessPress® 90° Street Elbow	1/2" - 2"			
316 StainlessPress® 45° Elbow	1/2" - 2"			
316 StainlessPress® 45° Street Elbow	1/2" - 2"			
316 StainlessPress° Tee P x P x FPT	1/2" - 2"			
316 StainlessPress® Tee P x P x P	1/2" - 2"			
316 StainlessPress® Reducing Tee P x P x FPT	3/4" - 2"			
316 StainlessPress® Reducing Tee P x P x P	3/4" - 2"			
316 StainlessPress [®] Bushing Reducer	3/4" - 2"			
316 StainlessPress® Female Adapter	1/2" - 2"			
316 StainlessPress® Male Adapter	1/2" - 2"			
316 StainlessPress° Flange Adapter	1/2" - 2"			
316 StainlessPress® Cap	1/2" - 2"			
316 StainlessPress [®] Union	1/2" - 2"			
316 StainlessPress° Ball Valve	1/2" - 2"			
316 StainlessPress [®] Transition Adapter	3/4" - 2"			
316 StainlessPress® Van Stone Flange Adapter	1/2" - 2"			
316 StainlessPress [®] Weld Adapter	1/2" - 2"			

Chemical Compatibility Chart

CHEMICAL		CHEMICAL FORMULAS	316 SS	SEALING ELEMENT			VALVE SEAT
				EPDM	HNBR	FKM	PTFE
ACIDS	Acetic Acid 5%	$C_2H_4O_2$	Α	Α	В	Α	Α
	Acetic Acid 10%	C ₂ H ₄ O ₂	Α	Α	С	В	Α
	Acetic Acid Glacial	C ₂ H ₄ O ₂	Α	Α	В	D	Α
	Boric Acid 20%	H ₃ BO ₃	Α	Α	Α	Α	Α
	Nitric Acid 20°C	HNO ₃	Α	D	D	В	Α
DACEC	Ammonium Hydroxide Concentrated	NH₄OH	Α	Α	D	В	Α
BASES	Potassium Hydroxide 50% 20°C	КОН	Α	Α	В	D	Α
	Acetylene	C_2H_2	Α	Α	Α	Α	Α
	Air	-	Α	Α	Α	Α	Α
	Argon	Ar	Α	Α	Α	Α	Α
	Butane	C₄H ₁₀	Α	D	Α	Α	Α
	Carbon Dioxide	CO ₂	Α	Α	Α	Α	Α
	Carbon Monoxide	СО	Α	Α	Α	Α	Α
	Ethyl Chloride (no moisture)	C ₂ H₅CI	Α	В	Α	Α	Α
GASES	Helium	He	Α	Α	Α	Α	Α
	Hydrogen	H ₂	Α	Α	Α	Α	Α
	Hydrogen Sulfide	H ₂ S	Α	Α	Α	D	Α
	Methane	CH₄	Α	D	Α	Α	Α
	Neon	Ne	Α	Α	Α	Α	Α
	Nitrogen	N	Α	Α	Α	Α	Α
	Propane	C ₃ H ₈	Α	D	Α	Α	Α
	Xenon	Xe	Α	Α	Α	Α	Α
	Amyl Alcohol	C₅H ₁₁ OH	Α	Α	В	В	Α
ALCOHOLS	Butyl Alcohol (Butanol)	C ₄ H ₁₀ O	Α	В	Α	Α	Α
	Ethyl Alcohol < 80%	C ₂ H ₆ O	Α	Α	Α	В	Α
	Ethyl Alcohol > 80%	C ₂ H ₆ O	Α	Α	Α	В	Α
	Glycerine (Glycerol)	C ₃ H ₅ (OH) ₃	Α	Α	Α	Α	Α
	Isopropyl Alcohol	C₃H ₈ O	Α	Α	В	Α	Α
	Methanol	CH₃OH	Α	Α	Α	D	Α

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 if you have questions or wish to inquire about compatability with chemicals not shown in the chart.

Tools, Kits, Jaws & Rings

Milwaukee Part#	Tooling Name
2773-20L	M18 Force Logic Long Throw Press Tool (Use M18 Jaws)
2773-22L	M18 Force Logic Long Throw Press Tool Kit (With 1/2" - 1" Jaws)
49-16-2650\$	M18 1/2" IPS-IA Jaw
49-16-2651\$	M18 3/4" IPS-IA Jaw
49-16-2652\$	M18 1" IPS-IA Jaw
49-16-2653\$	M18 1-1/4" IPS-IA Jaw
49-16-2654\$	M18 1-1/2" IPS-IA Jaw
49-16-2655\$	M18 2" IPS-IA Jaw
49-16-2659	Ring Jaw 1 (2-1/2" - 4")
49-16-2659\$	Ring Jaw 2 (1-1/2" - 2")
49-16-26918	M18 Force Logic Long Throw IPS-IA Press Ring Kit (1-1/4" - 2")

Certifications

Stainless Press® Fittings North American Certifications

- IAPMO PS 117 Press Connections
- NFS/ANSI/CAN 61 Drinking Water System Components Health Effects (EPDM Only)
- NFS/ANSI/CAN 372 Drinking Water System Components Lead Content (EPDM Only)
- FM 1920 Pipe Couplings 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® Valves With Press Connection Ends

- IAPMO Z1157 Ball Valves
- NFS/ANSI/CAN 61 Drinking Water System Components Health Effects (EPDM Only)
- NFS/ANSI/CAN 372 Drinking Water System Components Lead Content (EPDM Only)

StainlessPress® Fittings Global Certifications

- CSTB (France) Distribution and Water Drainage Pipes and Fittings
- BSI (UK) EN 10352:2010 Stainless Steel Plumbing Fittings Fittings with Press Ends for Metallic Tubes for Gas
- Lloyd's Register (UK & global) Stainless Steel Welded Pipe System with Couplings for use in Class III Systems where no Fire Endurance Test is Required and in Domestic and Sanitary Systems
- WRAS (UK) Section 1180 Fittings for use with Tube and Pipe
- CSIRO (Australia) Fire Sprinkler Systems Piping/Water Supply Metallic Fittings and End Connectors/Plumbing and Drainage Products - Stainless Steel Pipes and Tubes for Pressure Applications
- ÖVGW (Austria) Stainless Steel Pipes (Material 1.4404) as well as System Connectors as Press Connector Made of 1.4404 for the Drinking Water Installation for Hot and Cold Water Installation
- SGWA (Switzerland) Pipes and Fittings (1.4404) Drinking Water Distribution Systems
- **DNV GL** (Norway) Steel Pipes and Fittings. Products approved by this certificate are accepted for installation on vessels classed by DNV GL.
- **ETA** (Denmark) Pipe System Consisting of Stainless Steel Pipes and Press Fittings for Domestic and Ground Water Installations (1.4404)



Three Piece Ball Valve

Sizes: 1/2" - 2"

APPLICABLE STANDARDS

- In compliance with the Buy American Act
- IAPMO 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)



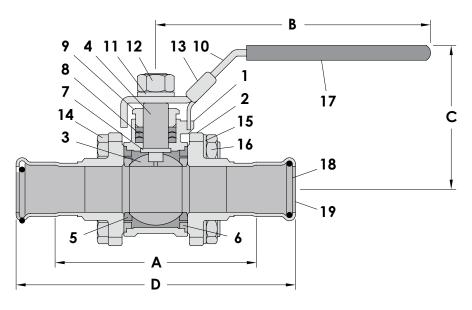
Design Features

- VIPR° (Visual Indicator Press Ring°) facilitates immediate identification of un-pressed connections
- Leak Before Press in addition to the VIPR*, valve incorporates four path LBP technology, guaranteeing a visual indication if not pressed
- 50-Year Limited Warranty
- IPS (Iron Pipe Size) used with schedule 5 or 10 stainless steel pipe
- Full Port Quarter-Turn Valve
- Latch-Lock Handle facilitates locking in the open and closed positions
- Maximum Working Pressure: 300 psi
- Temperature Range (EPDM): -4°F to 230°F
- Temperature Range (HNBR): -13°F to 248°F



Three Piece Ball Valve

Sizes: 1/2" - 2"



NO.	PART NAME	QTY	MATERIAL	
1	Body	1	ASTM A351-CF8M	
2	Cap	1	ASTM A351-CF8M	
3	Ball	1	ASTM A351-CF8M	
4	Stem	1	ASTM A276-316	
5	Ball Seat	1	RPTFE	
6	Body Seal	1	Graphite-Filled PTFE	
7	Thrust Washer	1	Graphite-Filled PTFE	
8	Stem Packing	1	PTFE	
9	Gland Nut	1	AISI 304	
10	Handle	1	AISI 304	
11	Spring Washer	1	AISI 304	
12	Nut	1	AISI 304	
13	Latch Lock	1	AISI 304	
14	Bolt	1	AISI 304	
15	Spring Washer	1	AISI 304	
16	Nut	1	AISI 304	
17	Handle Sleeve	1	PVC	
18	Sealing Element	1	EPDM, Nitrile, Fluoroelastomer*	
19	StainlessPress Ends	1	316L	

^{*}For more information on Fluoroelastomer Sealing Elements, please contact Merit

Part N	Inches		Weight (lbs)				
EPDM	HNBR	Nominal	Α	В	С	D	(ID3)
MBF311/26GE	MBF311/26GEH	1/2	2.82	4.26	2.44	4.49	1.24
MBF313/46GE	MBF313/46GEH	3/4	3.50	5.31	2.68	5.39	1.73
MBF3116GE	MBF3116GEH	1	3.86	5.30	2.75	5.90	2.46
MBF3111/46GE	MBF3111/46GEH	1-1/4	4.17	6.30	3.35	6.53	5.90
MBF3111/26GE	MBF3111/26GEH	1-1/2	4.72	7.87	3.54	7.13	5.93
MBF3126GE	MBF3126GEH	2	5.35	8.27	3.94	8.89	8.48

^{*}For more information on Fluoroelastomer Sealing Elements, please contact Merit

Contact Us

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