

EPDM STAINLESS PRESS SYSTEM DATA SHEET

The MeritPres system in stainless 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. Stainless press 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, stainless press has a Leak Before Press (LBP) System which gives a visual indication of a connection that has not been pressed.

The Merit Stainless Press 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:

Stainless press 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)

Stainless Press 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

Stainless Press 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 stainless press offering at 800.726.9800.

HNBR STAINLESS PRESS SYSTEM DATA SHEET

The MeritPres system in stainless 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. Stainless press 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, stainless press has a Leak Before Press (LBP) System which gives a visual indication of a connection that has not been pressed.

The Merit Stainless Press 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:

Stainless Press 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)

Stainless Press 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

Stainless Press 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 stainless press offering at 800.726.9800.

FKM STAINLESS PRESS SYSTEM DATA SHEET

The MeritPres system in stainless 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. Stainless press 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, stainless press has a Leak Before Press (LBP) System which gives a visual indication of a connection that has not been pressed.

The Merit Stainless Press 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:

Stainless press 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).

Stainless Press 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

Stainless Press Ball Valve Certifications:

- ICC-ES LC 1002 Press Connection Fittings for Potable Water Tube and Radiant Heating Systems
- IAPMO/ANSI/CAN Z11157, 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 stainless press offering at 800.726.9800.

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

Stainless Press 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)

Stainless Press 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

