

North American Certificates - Stainless Steel Press

IsoTubi-USA Fittings

- IAPMO PS 117 - 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 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

IsoTubi-USA Valves With Press Connection Ends

- IAPMO Z1157 - Ball Valves
- NSF / ANSI / CAN 61 - Drinking Water System Components - Health Effects
- NSF / ANSI / CAN 372 - Drinking Water System Components - Lead Content

IsoTubi-USA Fittings Global Certifications

(note 1.4404 = AISI 316L Stainless Steel)

- 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)



Chemical Compatability Chart



Chemical	Chemical Formulas	316 SS	Seals			Valve Seat	
			EPDM	NBR	FKM	PTFE	
Acids	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

Bases	Ammonium Hydroxide Concentrated	NH_4OH	A	A	D	B	A
	Potassium Hydroxide 50% 20°C	KOH	A	A	B	D	A

Gases	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

Alcohols	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

A = Recommended B = Minor Effect C = Moderate Effect D = Unsatisfactory

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.