



Ten Tips For No-Lead Compliance.

UltraPure® For Purer Water. Our Response To S.3874.



MILWAUKEE VALVE

www.milwaukeevalve.com

Why Do I Need To Use No-Lead Valves?

First of all, no-lead valves are only required in potable (drinking) water systems.

In 2006, California passed **California Assembly Bill 1953**. AB 1953 prohibits the use of lead in pipe, pipe or plumbing fitting or fixture, solder, or flux used in potable water systems. The new law was implemented on January 1, 2010.

Since AB 1953 was passed, Vermont passed a similar bill, which also took effect on January 1, 2010. The District of Columbia has passed a similar change to the plumbing code, effective January 1, 2011. Senate law S.3874 was passed January 4, 2011 and is effective January 4, 2014

How Is 'Lead Free' Defined?

According to Federal Government S.3874 definition, 'Lead Free' means not more than a weighted average of 0.25% when used with respect to the wetted surfaces of pipes and pipe fittings, plumbing fittings, and fixtures.

'Lead Free' means not more than a weighted average of 0.25% when used with respect to the wetted surfaces of pipes and pipe fittings, plumbing fittings, and fixtures. The weighted average lead content of a pipe and pipe fitting, plumbing fitting, and fixture shall be calculated by using the following formula: The percentage of lead content within each component that comes into contact with water shall be multiplied by the percent of the total wetted surface of the entire pipe and pipe fitting, plumbing fitting, or fixture represented in each component containing lead. These percentages shall be added and the sum shall constitute the weighted average lead content of the pipe and pipe fitting, plumbing fitting, or fixture. -- Federal Government S.3874

'Lead Free' also means not more than 0.2% lead when used with respect to solder and flux.

Which Valves Are Required To Be Lead-Free?

Not every valve is required to be lead-free. Only valves used in potable systems must meet the exacting demands of S.3874. While local ordinances dictate specific application of the new regulations, Milwaukee Valve's trained sales representatives know, and can advise on where lead-free valves are required, and where standard product lines are approved.

Does This Law Apply Only To Residential Buildings?

Federal Government S.3874 does not distinguish between residential and commercial applications. The law is specific to any application in which the water that is conveyed or dispensed is intended for human consumption, specifically drinking or cooking.

Which Milwaukee Valve Products Are Impacted By S.3874?

Prior to the development of our UltraPure no-lead products, all **bronze** and **brass** products available in the Milwaukee Valve catalog were not compliant with S.3874.

Which Milwaukee Valve Products Are NOT Impacted By S.3874?

All **Butterfly Valves, Iron, Carbon Steel, and Stainless Steel Valves** does not contain lead in the materials of construction. Some states, cities or municipalities may have their own requirements for these types of valves when used in potable water systems. Users are urged to check local regulations to be compliant.



WQA tested and Certified against NSF/ANSI 372 for "lead free" compliance.

What Has Milwaukee Valve Done To Comply With S.3874?

Milwaukee Valve has launched the UltraPure line of Gate, Globe, Check and Ball Valves for potable water applications. These valves all utilize a rugged new alloy that satisfies the requirements of S.3874.

Some valve manufacturers rushed stop-gap products into the marketplace to meet the initial demand. Milwaukee Valve analyzed contractor needs and designed all of the valve types necessary for potable systems, including ball, gate, globe and check valves.

The new UltraPure line includes the following:

UltraPure Ball Valves

- Certified for ANSI/372 and WQA-ORD 0902 California AB 1953 for potable water service.
- Two and three piece construction; bronze or brass. Available in sizes 1/4" to 2".
- All ball valves have RPTFE seats and seals, adjustable stem packing and blowout-proof stems.
- Standard and full port, with threaded, solder, and press ends.
- Stainless steel trim and numerous handle and stem extension options available.



WQA tested and Certified against NSF/ANSI 372 for "lead free" compliance.

UltraPure Gate, Globe & Check Valves

- Certified for ANSI/372 and WQA-ORD 0902 California AB 1953 for potable water service.
- Bronze and brass materials.
- Available in sizes 1/4" to 2".
- Available in pressure classes of 200 and 300 lb. WOG.
- Gate Valves are bi-directional, an excellent choice for on/off service. Supplies full flow with low pressure-drop.
- Gate valves feature a solid wedge disc, threaded bonnet, are gland packed and available in rising and non-rising stem, and threaded or sweat ends.
- Globe Valves feature bronze construction, with bronze disc, and are recommended for throttling operations.
- Globe Valves are rated for 300 lb. WOG, and available in threaded or sweat ends.
- UltraPure Check Valves are designed to prevent backflow. Bronze and brass, with bronze disc. Brass check available with press ends.
- Swing Check provides least pressure drop and simple, automatic closure. Rated for 200 and 300 lb. WOG.
- Silent Lift Check uses a spring to close the valve.
- Lift Check is rated for 250 lb. WOG.



Milwaukee Valve's existing product line will continue to be produced to service non-potable applications.

How Can I Identify A Lead-Free Valve?

All Milwaukee Valve UltraPure products are marked with the UltraPure trade name, and feature white handwheels and handle grips. All compliant product components will be marked to identify the material used in production.

Milwaukee Valve has removed all steam pressure ratings from the Ultra Pure valves. For all non-potable water applications Milwaukee Valve's standard product offering remains available with 100 plus years of experience along with millions installations worldwide.

Is There A Price Difference Between Compliant And Non-Compliant Products?

Published pricing for UltraPure is anywhere from 35-45% higher than the current equivalent product. The material needed for production is considerably more expensive. Other factors that influence pricing include increased machining costs, higher scrap rates, lower volume and required third-party certification. Because of this substantial price increase, contractors and distributors will want to separate potable water products from others.

Why Should I Install Or Specify UltraPure?

By adding the new UltraPure valves added to its existing high-quality product lines, Milwaukee Valve remains your single source for virtually every residential, commercial or institutional application.

From 1/4" bronze ball to 48" cast iron butterfly, you'll find more than 10,000 valve types, sizes and configurations to meet your needs. Utilizing this extensive line of products, our experienced representatives can help you meet any water, HVAC installation, regulation and performance requirement.

From new construction installations to retrofits and repairs, our superior-quality valves create the core strength of any project. To finish the job right, add our system design services, engineering expertise and onsite technical assistance to help you save time and money.

A Valve For Every Application.

For more information on UltraPure lead-free valves, visit www.ultrapureleadvalves.com or the Milwaukee Valve website at www.milwaukeevalve.com.

For More Information

- Senate Bill S.3874
<http://www.gpo.gov/fdsys/pkg/BILLS-111s3874rs/pdf/BILLS-111s3874rs.pdf>
- Clean Water Act
www.epa.gov/watertrain/cwa/



MILWAUKEE VALVE

Milwaukee Valve Company
16550 W. Stratton Dr., New Berlin, WI 53151
Phone: 262-432-2700
Fax: 262-432-2701
www.milwaukeevalve.com
www.ultrapureleadvalves.com

The Milwaukee Valve logo and UltraPure logo are registered trademarks of Milwaukee Valve Co., LLC © 2010, Milwaukee Valve Company.



WQA tested and Certified against NSF/ANSI 372 for "lead free" compliance.

