

WE-Stand (Water Efficiency and Sanitation Standard) 2017 Launches as an American National Standard

The most up-to-date American National Standard for water efficiency and sanitation known as IAPMO/ANSI WE-Stand 2017 will be available in November.

With increasing demand, shrinking supplies, reduced quality and reliability, constrained infrastructure, climate change, and pervasive droughts throughout the world, there is a critical need to reduce water consumption attributed to the built environment through conservation and reuse. With water conservation and recycling comes increased risks to public health, safety, and building systems performance. This American National Standard is needed to provide a set of requirements developed by the foremost subject matter experts in the fields of plumbing and water efficiency that optimize built environment water use practices in and around buildings while maintaining protection to public health, safety and welfare.

Some of the provisions include:

Indoor Water Efficiency

- Fixtures – fittings – Contains thoughtful provisions for safe and efficient consumption and flow rate requirements.
- Composting – Contains the first set of comprehensive codified requirements for composting and urine diversion fixtures applicable to commercial and residential applications.
- Leak detection – New important safety provisions for leak detection systems
- Landscape Irrigation – Important new provisions for system inspection and performance.
- New pool pumps new requirements for energy efficiency

Alternate Water Sources

- Progressive provisions for uses of gray water generated from clothes washers in landscape irrigation.
- New requirements that reduce the cost of retrofitting gray water systems in single family homes.
- Allows for the installation of rainwater catchment systems up to 5000 gallons for non-potable uses without requiring inspections under certain conditions, reducing costs to owners

Hot Water Efficiency and Pipe Sizing

- New and unique provisions for Flow Through Design plumbing system fittings that reduce stagnation and help keep systems free from biofilm growth and which improve hot water delivery efficiencies.
- New water supply pipe sizing method and demand calculator for residential buildings!
 - o The first comprehensive pipe sizing method advancement since Hunter's Curve
 - o Works with all pipe materials and residential systems of all sizes, even multifamily.
 - o Easy to use Demand Calculator determines pipe size based on today's plumbing fixtures and appliances and usage patterns.
 - o Results in: improved scouring action in water pipes – inhibits biofilm growth; shorter water dwell times in premise plumbing systems – improves water quality; faster hot water delivery times throughout the plumbing system – saves energy, water and \$; Deduced construction costs

WE-Stand 2017 was developed using the ANSI consensus procedures IAPMO's flagship documents, the Uniform Codes, have utilized for more than a decade, ensuring conformance to ANSI's strict list of essential requirements.

Members of the existing Green Technical Committee, as well as other manufacturers, potential users of the standard, installers and maintainers, labor representatives, design professionals, enforcing authorities, consumers, and special experts participated on the WE-Stand Technical Committee.

For more information on WE-Stand 2017 please contact Dan Cole, IAPMO technical services supervisor, at (708) 995-3009 or dan.cole@iapmo.org. To pre-order your copy go to www.IAPMOSStore.org.