



E-Institute

Official Newsletter of IPA

In recent issues we have noted the new 2018 versions of the AS/NZS3500 plumbing standards now published by Standards Australia and the thought that for large projects currently in design phase that may not commence construction until 2019 thought should be given to the possible reference to the updated standards. The ABCB have now formally accepted the 2018 Standards for reference in the 2019 PCA and suggested that in the interim these standards may be considered for use as part of a Performance Solution. Further to that a recent article aimed at the HVAC Sector gave some advice regarding the need for reasonable care when non-mandatory standards exist but are not complied with. This legal view muddies the waters a little although this may not be the case with the 3500 series of plumbing standards as the 2015 versions continue to be referenced/mandatory until individual regulators reference the 2019 PCA and therefor the 2018 versions of the standard.

The cost impost on consumers of a Performance Solution to allow use of a published and approved Standard is a poor outcome for the input by industry into the drafting of standards. The question to be asked is who is responsible for providing reasonable care in this situation.

The articles below are showing reasonable care for protecting public health and conserving water supplies including taking Australian Standards international.

MINIMISING

LEGIONELLA

RISK

in healthcare

WHY AUSTRALIA MUST RETHINK WATER SYSTEMS DESIGN

Legionella is a lingering, ever-present bacterium which, in the right breeding conditions, poses a significant health risk. Hospitals are one of the highest risk environments for Legionella as they have large and complex water systems coupled with the vulnerability of patients within.



NEW YORK
OUTBREAK

2015



12 DEAD
100 INFECTED



BRISBANE
HOSPITAL

2013

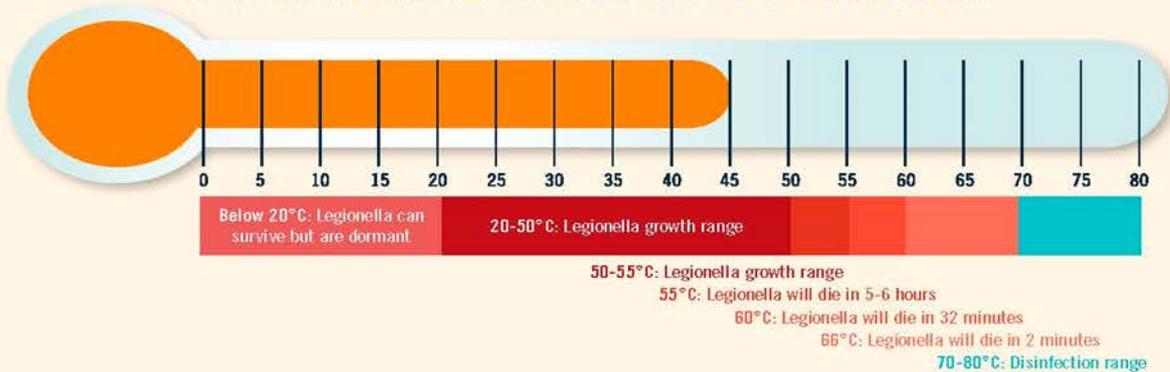


1 DEAD
1 INTENSIVE CARE



In Brisbane, temperature controls meant water at the hospital could not reach a higher temp than 45°C –

AN OPTIMUM TEMPERATURE FOR LEGIONELLA TO FLOURISH



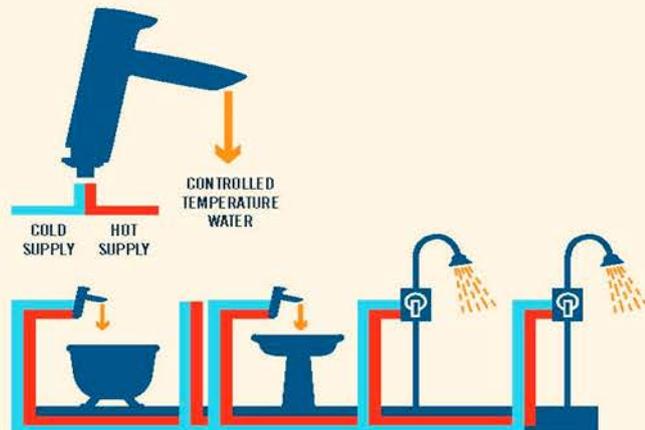
The Solution

THERMOSTATIC MIXING VALVE

The threat of Legionnaire's Disease must be addressed by the building and design sector.

By integrating a thermostatic mixer into a point-of-use mixer the risk of Legionella is minimised.

Enware has developed Australia's first point of use sequential Thermostatic Mixing Valve range purpose designed for high risk applications such as hospitals and aged care facilities. This technology offers superior scald protection as well as water and energy-saving features.



TO FIND OUT MORE VISIT
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installingconfidence



Publication of Developing drinking-water quality regulations and standards

This document provides practical guidance to support the development or revision of national or subnational drinking-water quality regulations and standards that consider local needs, priorities and capacities to most effectively protect public health. The document was launched at Singapore International Water Week on 11 July 2018. To download the publication, visit:

http://www.who.int/water_sanitation_health/publications/developing-dwq-regulations/en/

Publication of Management of radioactivity in drinking-water

This document includes guidance to support the management of radioactivity in drinking-water, taking into account the experience and knowledge gained with implementation of WHO guidance on radiological aspects included in the WHO Guidelines for Drinking-water Quality. The guidance has been written in the format of stand-alone Q&As, to enable stakeholders to easily focus on issues of interest. The guidance is complemented by case studies, to illustrate how some countries have managed issues with radioactivity in drinking-water. To download the publication, visit:

http://www.who.int/water_sanitation_health/publications/management-of-radioactivity-in-drinking-water/en/

Publication of Measuring the Impacts of Water Safety Plans in the Asia-Pacific Region

This publication describes the process and tools employed for a systematic assessment of Water Safety Plans (WSP) impacts at 99 sites across 12 countries, as well as associated lessons learned to support future assessments. It also presents the benefits measured, which include stronger operations and management, improved infrastructure and better stakeholder communication. The publication is freely available for download from the International Journal of Environmental Research and Public Health:

<http://www.mdpi.com/1660-4601/15/6/1223/htm>

Chinese language version of Nutrients in Drinking-Water is now available

Originally published in English in 2005, this document addresses potential health concerns relating to the nutrient composition of drinking-water. To download the Chinese language version of this publication, visit:

http://www.who.int/water_sanitation_health/publications/nutrients-in-dw/zh/

Launch of the GLAAS 2018 country survey

The UN-Water GLAAS is celebrating its 10th anniversary with the launch of the 2018/2019 cycle. The GLAAS 2018/2019 country survey will cover the enabling environment with a special focus on national policies, plans and targets. The next GLAAS report will be published in 2019. The country survey package is now available, and the deadline for submission is 15 December 2018.

- [Read more about the GLAAS 2018/2019 cycle](#)
- [Download the GLAAS 2018/2019 country survey package](#)

SDG6 Synthesis Report released for the High Level Political Forum 9-18 July 2018



Sustainable Development Goal 6 is ambitious but not rocket science – [Watch the video](#) to find out what we need to do. The video supports the launch of the [SDG 6 Synthesis Report on Water and Sanitation](#) that provides an overview of the global progress toward achieving SDG 6. It builds on the latest data available for the eleven SDG 6 global indicators and is released ahead of the High-level Political Forum for Sustainable Development in July 2018. The report is a joint position from the UN family. The full report and highlights are available in five languages.

Please forward this email on to anyone who may be interested in its contents.

Check out the new website of the WHO WASH unit www.who.int/water_sanitation_health



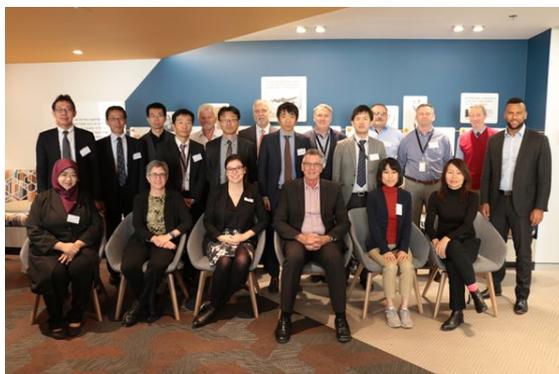
LATEST NEWS



Clear plan ahead for water efficiency

31 Jul 2018

The global effort to increase water efficiency has been given a clear plan ahead following a recent meeting of international experts in Sydney.



The international committee developing ISO 31600, *Water efficient products – Rating*, met recently at the offices of Standards

Australia in Sydney to progress work on the standard.

“Clarifying a scope at these international meetings gives the committee, and the associated industry, a snapshot of what the standard will cover once it is published,” said Dr Bronwyn Evans, CEO of Standards Australia. “Having international experts come to Australia and progress this vital work is testament to the work we have already done in contributing to international water efficiency standards.”

The International Organisation for Standardisation Project Committee 316 (ISO/PC 316), *Water efficient products – Rating* meeting hosted 20 international experts from Singapore, Japan, China, UK, USA, Switzerland, and Australia. The week of committee meetings started with an opening address by the Assistant Minister for Agriculture and Water Resources, Senator the Hon. Anne Ruston.

“Having the Assistant Minister open the meeting and draw attention to the work of the committee as part of a global effort to promote efficient use of water proves the commitment of the Commonwealth Government in working with industry and experts to deliver for global consumers,” said Dr Evans.

“While this work started in Australia, it is the developing nations of the world and countries without water efficiency standards that stand to benefit most from the work of ISO/PC 316,” said Dr Steve Cummings, Chair of the Standards Australia Technical Committee and ISO Project Committee 316. “Publishing an international standard is about delivering for every nation, and the standard being developed by this committee is no exception.”

“The international technical expertise and collaborative effort of the

Commonwealth Government, Australian industry, and the Standards Australia Technical Committee places this standard in capable hands to deliver on the water efficiency outcomes sought by consumers across the globe,” concluded Dr Evans.



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Selection and Sizing of Copper Tubes for Water Piping Systems by Barrie Smith

Only available as an E-Book from www.plumbing.org.au simply follow the links to Technical Books through to the shopping cart and pay by PayPal or Credit Card for immediate Download.

Companion Spreadsheet files utilising the E-Book are freely available as an additional download when you complete your shopping cart journey.

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BRONZE SPONSORS

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GWA Bathrooms & Kitchens

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Vacuum Toilets Australia

A bit of light relief: Technology!!

TEXT TO NEIGHBOUR:

Hi, Fred, this is Richard, next door. I've got a confession to make. I've been riddled with guilt for a few months and have been trying to get up the courage to tell you face-to-face.

At least I'm telling you in this text and I can't live with myself a minute longer without you knowing about this. The truth is that when you're not around I've been sharing your wife, day and night. In fact, probably much more than you.

I haven't been getting it at home recently and I know that that's no excuse. The temptation was just too great. I can't live with the guilt and hope you'll accept my sincere apology and forgive me.

Please suggest a fee for usage and I'll pay you.

Regards, Richard

NEIGHBOUR'S RESPONSE:

Fred, feeling so angered and betrayed, grabbed his gun and shot Richard -- killing him. He went back home and poured himself a stiff drink and sat down on the sofa.

Fred then looked at his phone and discovered a second Text message from Richard.

SECOND TEXT MESSAGE:

Hi, Fred. Richard here again. Sorry about the typo on my last text. I expect you figured it out and noticed that the damned Auto-Correct had changed "wi-fi" to "wife." Technology, huh? It'll be the death of us all.

Regards, Richard

Oops!!!

Your input into this Newsletter and other IPA matters is always welcome and in fact sort after. If you are not already a member, why not join and really help us provide a voice for plumbers and plumbing. Simply email the Secretary below or complete the online application at www.plumbing.org.au

Comments on matters raised in E-INSTITUTE or suggestions for future issues are welcome and may be sent to the Editor at:

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