



E-Institute

Official Newsletter of IPA

Research

One of the IPA's core values is research with a firm belief that the safe and practical evolution of plumbing standards, regulations, materials and all the many parts of the complex plumbing systems of today need to be backed by solid research.

In our current work on drinking water piping systems there is anecdotal evidence that water quality can and does have an adverse impact on plumbing pipes but this is quite often discounted by the view that water from municipal mains complies with the drinking water guidelines.

It is now being recognised by some that although the water entering a complex site or building may comply at the entry point it may deteriorate over time where underused deadlegs or stagnant areas in ring mains exist.

New IPA member Valsir Australia through their head office and new research laboratory are seeking input from Australia together with some 40 other countries to

In this issue:

Pipe and water quality research

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combine an analysis of failed piping and water chemistry to find if there is a link.

The information below has been provided by Valsir and all enquiries or samples should be directed to the addresses and contacts shown below.

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[Be Part of a worldwide research on the Interaction between potable water and pipe materials](#)

[Antonio Infante from Valsir Australia interview Alesandro Giovannini Technical Director at Valsir](#)

[Tell us about Valsir.](#)

Valsir is an Italian company founded in 1987 by Mr. Silvestro Niboli and his son Andrea. Today Valsir activity encompasses more than 84 countries worldwide placing itself amongst the world's leading manufacturers in the plumbing and heating industry. Valsir turnover is AUD 500,000,000 per year and employ 1650 people.

[During my last visit at the Valsir head office, I had the opportunity to visit the Valsir Academy, tell us about it.](#)

Valsir has setup the Valsir Academy in order to promote the professional growth of its associates, clients and partners by offering a wide and ample choice of courses and specific refresher programs.

As an example last year alone Valsir has trained over 6000 professional, that includes , plumbers , engineers, architects , builders etc....

[How long Valsir has been present on the Australian market?](#)

Valsir started exporting to Australia during the late 90's the first plastic piping system for gas: the Pexal Gas. After that, we started exporting our in-wall cisterns and our Rainplus, the siphonic system. More recently, we began the distribution of the Triplus, our acoustic piping system as well as our Push fit Pexal easy water supply system. As you know, Valsir has now a permanent presence in Australia with Valsir Australia.

[What Valsir products are now available in Australia?](#)

- MFV which is our prefabricated framing system (Integrated Plumbing System)
- Triplus , our acoustic drainage push fit system
- Pexal and Pexal easy for water supply
- Pexal Gas
- Concealed cisterns
- HDPE for drainage and Siphonic

[What are Valsir major past and current project in Australia?](#)

The new Perth Stadium (Perth)

Barangaroo (Sydney)

Crown Plaza Hotel (Perth)
32-34 Charles St, (Perth)
Double Tree Hilton (Perth)
Concavo-Convesso (Melbourne)
Pearl Tower (Melbourne)

Please tell me about that new research?

During the past few years, water sources are becoming more and more sparse and supplying safe potable water is a challenging task for any city or municipality. Chemicals used to sanitize the water and their concentration have changed over the years and of course, they have an impact on the water pipe. So far there is no research that analyzes the impact of these chemicals on polymers and metals used in the production of water pipes.

How many country will take part (sample collection from which country)?

At the moment we have 29 Europeans and 12 extra European countries participating to this research.

Why doing this research? What is the expected outcome, what are we hoping to learn?

The purpose of this research is to have a better understanding of modern municipal water condition and stimulate the research on best solutions for water transportation.

This also perfectly fits the values of Valsir, built on a strong approach to Sustainability.

Valsir Invested over \$3M to build the laboratory and to develop a testing machine that is unique in the world. We are now able to simulate pipe exposure to different chemicals over the span of 20-25 years.

How this study is different than previous similar study?

To our knowledge, there is no private previous tests in this matter.

How can the construction industry be of help for this research project?

We are looking for defective pipes or fittings as well as water samples of the installation where the pipe has failed. If any person have a defective pipe or fitting, please contact Tony Infante from Valsir Australia on (08) 9302 6267 or send an email to tony@valsir-australia.com.au

Any person providing some fittings will receive a Valsir Gift pack.



Valsir Australia

U2, 63 Destiny Way, 6065 Wangara, WA

New Shopping Cart makes it easier to purchase and download the E-Book

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

E-Book sales are now automated from 20 June 2014. Website address will remain as www.plumbing.org.au and 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 still freely available as an additional download when you complete your shopping cart journey.

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.

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Comments on matters raised in E-INSTITUTE or suggestions for future issues are welcome and may be sent to the Editor at: The Institute of Plumbing Australia Inc. P O Box 2005 MARMION Western Australia 6020 FAX: 08 9448 0420 EMAIL: secretary@plumbing.org.au WEB: www.plumbing.org.au	 

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