

The Future of Water Metering



Since the national environmental standard for Measuring and Reporting of Water Takes came into force in November 2010, we have seen a massive expansion of water metering in New Zealand. Prior to this, only one third of all water takes were measured or monitored.

As a result we have seen a proliferation of brands and types of water metering and monitoring equipment offered to the market. There is a broad range of equipment that meets the standards, from basic mechanical meters with a visual display through to electromagnetic meters with industrial-standard output protocols.

As a supplier of all types of water meters, we see the lower cost mechanical meters going into smaller takes such as farm water supplies and small horticultural blocks. Larger systems and pivot projects are commonly using electromagnetic meters, often interfaced with the pump control.

But given the requirement by most territorial authorities to have mechanical meters verified more frequently than electronic

meters, the cost of owning and operating mechanical meters far outweighs the initial savings. What the industry needs is a range of low cost electronic meters in a complete range of sizes – and these have finally arrived.

We have been distributing the Arad Octave range of ultrasonic meters in sizes 40mm to 300mm for a couple of years, and the release of the new Arad Sonata range now provides electronic metering down to 15mm pipe size. These meters are only slightly more expensive than comparable mechanical meters and also offer on-board data logging and built-in wireless connectivity.

We see these meters as the future and would be surprised if we are selling many mechanical meters at all in five years' time.

Martin Payne - General Manager

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Hunter I-20.

Hunter PGP and 1-20 pressure regulated sprinklers

Hunter Industries is proud to introduce Pressure Regulated Bodies for PGP-04 and I-20 rotors. These devices will take incoming pressures of 3.4-6.9 bar and reduce them to 3.1 bar, allowing the nozzles to operate at peak efficiency, saving water.

These sprinklers offer your customers superior uniformity. Sprinklers closest to the valve aren't able to "rob" water from the system while operating at higher pressures than the ones at the end of the pipeline, which is common when pipe diameters are too small.

Instead, each sprinkler will operate at 3.1 bar pressure as long as you have more than 3.1 bar available (after head losses and elevations). If you design landscape irrigation systems, you can potentially get away with slightly smaller diameter pipes.

These pop-ups will have a blue band just below the rubber cap. Our codes will be the same as the normal version followed by the letters "PRB" (pressure regulated body) ie PG04PRB.

Although only the 4" PGP is currently available with pressure regulation, most of the I-20 range is also fitted, including the 4" and 6" rotors in both plastic and stainless riser options.

Talk to your friendly WSP rep for pricing.



Hunter Industries and WSP are running a joint promotion where you can **Win an iPad**.

The online training includes 10 technician-level courses which must be completed before July 31st 2016. These courses are great for bringing your staff, contractors or customers up to speed on all things Hunter – from controllers to sprinklers, solenoid valves, sensors and sports turf.

And if you help promote this competition, there's something in it for you too – if your staff or contractors register your name as their nominated sign-up contact (part of their sign-up procedure), and one of them wins, you'll win an iPad for yourself as well! There are two iPads up for grabs (only one iPad can be won per person, iPad may differ from one used in promotion).

TO PARTICIPATE IN THIS PROMOTION:

1. Go to sso.hunterindustries.com/ and create a Hunter ID account.
2. Enter the Report ID under the 'company information' tab. The Report ID for this competition is WSPHOT plus your nominated sign-up contact. ie WSPHOT Joe Blogs (change Joe Blogs to your name!). You might want to help your staff and contractors set this up – if your name's here, you're in with a chance to win too.
3. If you already have a Hunter Profile account, or if they've set themselves up but haven't included you as their sign-up contact, simply edit the "company information" section and add the above details.
4. Any problems, give us a call or email training@hunterindustries.com.
5. And if you do the course under your own sign-up name you'll be increasing your own chances of winning an iPad.
6. Remember everyone needs to complete all 10 courses before July 31st to be in to win. Results will be published in our August newsletter.

These Hunter courses are great for getting your staff and contractors to think about their irrigation systems in more detail. Knowledge is power and if they know more about these products they are more likely to make informed decisions. Everyone's a winner... but a free iPad is even better!

WSP now stocks layflat and borehole hoses

We are pleased to announce we now stock Crusader Hoses including their range of layflat hoses and borehole flexible riser pipes.

If you're involved with borehole pumps, we have two models of flexible riser pipes. Flexibore 100 is designed for boreholes up to 100m deep (available in 32mm & 50mm diameters) and Flexibore 250 is designed for boreholes up to 250m deep (available from 40mm up to 200mm diameters).

If you're concerned about using a flexible hose when you've always used steel riser pipes, consider these interesting features:

- Flexibore 250 is used for ground water pumping and is produced by integrating thermoplastic polyurethane into a woven textile fabric of high tenacity polyester. This process gives the hose flexibility while sustaining the weight of a submersible pump.
- The 4" (102mm) Flexibore 250 has a 52 bar burst pressure, 26 bar maximum operating pressure, 10 tonnes peak tensile load, can go up to 60°C and cope with water from pH3 to pH9.
- The hose includes loops every metre to attach the power cable for the submersible pump (using special cable ties which we also stock).

- We stock specific Flexibore stainless couplers to ensure the hose can be attached to the pump or headworks with absolute security.
- Your riser hose can be cut to length to keep your costs down. Talk to your WSP rep or phone us for more information.

We now have the full range of Crusader Waterlord irrigation and drag hoses in stock. Purchase the exact metres and grade you require. We also have all the camlock and Bauer-style connectors plus hose clamps you'll need to go with them.

North Island orders will be dispatched from our Auckland warehouse within 1-2 days, and South Island customers can expect delivery within 2-3 days. Very large volumes will be indented from Australia, so we can provide you with ETAs where this applies.



Consider this clever PVC fitting

We have a fitting in our price book (page 22) that most people are unaware of. It's our 816- PVC faucet spigot.

This differs from the standard 806- PVC faucet socket because the glued end will go into another PVC fitting (hence spigot), not over the pipe... so it's just like an 817 valve spigot except it's a female thread. Confused?

Take a look at the photo. This is handy if you want to come directly out of another PVC fitting with a female thread. For example, if you want to reduce from 100mm PVC pipe to an 80mm female thread, you can use an 823-100-80 PVC reducing socket and then the 816-80 faucet spigot straight into this fitting. It means you don't need to bother with a small piece of 80mm pipe or alternatively don't need to buy a threaded bush which is more expensive.

Stocks are available from 15mm (816-15) to 100mm (816-100) and all sizes in between except 65mm.



Venturi injector selection

If you have ever tried to determine which Mazzei venturi injector to use, you'll know that going cross-eyed is par for the course. But now you can easily and accurately select the right one online at <http://injectorselector.mazzei.net>.

This handy tool allows you to input the necessary information into the calculator before then recommending some options.

This is great if you are in the horticultural industry because venturi injectors are cost effective, simple to operate,

and are renowned worldwide for their accuracy and reliability. They don't require electricity and don't make any noise.

Once you have chosen the model you need, you'll find the price on page 176 of our current (2015) price book.

PROJECT PROFILE Pond Fountain



STAFF PROFILE

Chase Nightingale

27 year-old Chase beavers away in the Auckland office and most North Island customers know his friendly voice on the phone. So what makes Chase tick?

Q: How did you wind up at WSP?

I attended Auckland Boys Grammar and later studied towards a Bachelor in Sport and Recreation while working part-time at Anka Products, who then offered me a full-time job so I left uni. Three years later I came to WSP (with a slight detour to Thailand for a bit).

Q: Favourite sports teams?

I grew up in Auckland so I'm a true Blues supporter and always will be! I think Tana and I would make a great coaching duo. Also back the Warriors. Nothing beats Sunday footy at Mt Smart Stadium.

Q: Any other hobbies?

I enjoy fishing. I'm also a bit of a green thumb. I enjoy growing garden vegetables which go with my love of cooking. I like to bet on sports, it adds a bit more excitement to the results.

Q: Other staff say you suffer from OCD. Is this correct?

They change the seats around in the lunch room and wear odd coloured socks but I don't care. I just fix things back to how they should be after they've gone home. That's normal isn't it? It's not being OCD.

Q: What do you dislike?

Sales reps who answer the phone before three rings. A phone should always ring three times. Not four times though.

Q: What's your main function at WSP?

Sales strategist/marketing guru. Basically I am the backbone of the company. They wouldn't like to admit it. But with me based internally it gives the reps way more freedom to go home early, I mean see customers.

Q: Since you're an Aucklander, can you choose one: latte, cappuccino, mocha, hot chocolate, short black, Americano.

I'm most likely a Cappuccino guy or instant really. Not too fussy. As long as it's stirred clockwise seven times.

Waterworks Irrigation Ltd in Ellerslie was approached by an Auckland retirement village boss who had seen a great-looking fountain while overseas.

He wanted one installed in a stormwater detention pond that was a focal point of the retirement village. Hundreds of apartments overlooked this pond which had been landscaped to blend in with the surroundings.

Mike, the director of Waterworks Irrigation Ltd, purchased one of our Aqua Control pond fountains. The five horsepower, three phase motor, floats on the surface of the pond and features a Vertical Cascade nozzle which provides a vertical throw of around 7-8m in height. It comes complete with green and amber lights on its large pontoon-like plastic base that shine up through the fountain's trajectory at night to illuminate the column of water.



"Previously the residents looked out at nothing but a landscaped detention pond during the day and pitch darkness at night. Now they have a spectacular fountain to look at both day and night. It has really transformed the view," Mike explains.

The new fountain also keeps the pond aerated and prevents unsavoury stagnant smells.

Incidentally we now have stock of Aqua Control Evolution Series fountains. These are 1/2 horsepower floating fountains and are the perfect size for most landscape pond situations. A range of nozzles are also available. Talk to your local WSP rep for more information or go to www.aquacontrol.com/catalog/category/evolution-series/. Prices are on page 179 of our current (2015) WSP price book.

UPCOMING KEY DATES

WSP will be exhibiting at these industry events in 2016:

4-5 May	Water Industry Operations Group Conference - Auckland.
27-28 June	New Zealand Turf Conference & Expo - Auckland.
24-26 August	Romeo Bragato Conference - Blenheim.
19-21 October	Water NZ Conference - Rotorua.



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