

in the stock trough - the benefits of DELTA technology



Deltawater
solutions

fact sheet 11



Magnetic water treatment is proving a winner for Australian farmers desperate to provide water for thirsty stock. Circumstances demand that properties in rural Australia – both large and small – have highly efficient pump and piping systems in place to make the most of our country's scant water supplies. Getting water to sheep, cattle and other range animals during our hot summers is crucial and DELTAwater solutions is helping make the job easier for many.

CASE STUDY

Angus stud owner Netta Holmes Lee says DELTA magnetic water conditioners have brought quality water to her cattle, reliability to her reticulated watering system and peace to her mind.

The Wellington district farmer installed her first unit at her NSW property 'Noonee Nyrang' in 2005 after pipes supplying her troughs blocked due to scale build-up from hard bore water. "We totally rely on a bore for our livestock," Netta says. "We basically did a major upgrade of that system in 2001 and within 18 months some of those new pipes were starting to block with the calcium carbonate. At its worst we had an inch and a half pipe completely blocked in that time."

Reduced flow, regular maintenance to 'blow out' the pipes and fear that stock would suffer all added up to a major headache, especially in hot summers.

*"I knew we had to look at a better way to deliver our water,"
Netta says.*

So Alex Panov from DELTAwater solutions arrived with a plan. He developed a farm-wide strategy for Netta to roll out for her network of tanks, pipes and troughs over several years. He started with the worst pipe, installing a CU40-G4 DELTA unit on the tank outlet at the head of the pipe with the biggest scale problem. Netta followed his recommendations and fitted the pipe, which fed five paddocks, with several flushing outlets.

"In the first month, with the combination of magnets and regular flushing, we could see the calcium's white powder and small flakes coming through the pipe," Netta says. "We had very little trouble after that. We could see it was going to work and that it was worth going ahead. We've now got six units in strategic places and flushing outlets on those lines as well."

Netta is now considering whether to install the magnetic water technology at a new block she's bought nearby. She has about 240 cows with calves at foot, 100 heifers and 80 young bulls on Noonee Nyrang, which she's run since 1998. The stock workload is enough without the excessive maintenance once needed to keep the reticulated water supply running smoothly.

"By the time you've used up three or four days, with two people, to blow out the pipes it makes the cost of magnets seem pretty cheap in comparison," Netta says. "The other thing is the peace of mind. The problems always seem to occur during the hottest time in summer when the cattle need the most water. Now I don't have to worry about suddenly finding a blocked pipe."

Netta says she still wonders how the science of treating water with intense magnet fields works. But she's seen the results and that's good enough for her.

"I've seen first-hand that it works, saves lots of time and lots of worries," she says.

"I'd certainly recommend it to fix the scale problem in pipes. And I'd also like to say we've found Alex extremely helpful too."



better water naturally

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DELTA Magnetic Water Conditioners help combat the problems of calcium and scale build-up in pipes, recirculation and irrigation systems as well as in swimming pool pumps, filters and on pool surfaces.

They can help prevent restriction and blocking in:

- > Micro irrigation systems
- > Drip-tube irrigation systems
- > Drip-tape irrigation systems
- > Large-scale irrigation systems

Allowing:

- > Minerals to crystallize in the water

Instead of:

- > Inside pipes and on surfaces

DELTA magnetically treated water is particularly good for recirculation systems such as:

- > Evaporative air-conditioners
- > Swimming pools
- > Water cooling towers
- > Stock watering systems
- > Household plumbing
- > Hot water heat exchangers
- > Irrigation systems
- > Some solar hot water systems

With DELTA - once a pipe or surface is clean, it stays clean!



CASE STUDY

Station owner Steven McCracken, 55, farms a 5000-hectare property on South Australia's Eyre Peninsula. He has seen a CU40-G4 DELTA Magnetic Water Conditioner rapidly clear a 'frustrating' build-up of minerals that had blocked his main stock-irrigation pipe.

Steven runs sheep and cattle on Kilroy station about 30 kilometres north-east of Elliston. He taps into valuable and high-quality bores which he uses to pump water to his 2500 sheep and 45 cows. Minerals in groundwater, regardless of drinkability, can leave residue in pipes, pumps and other water-based machines and ultimately cause blockages or corrosion.

Steven recently confronted a blocked pipe when his livestock, trying to cope with hot weather, were in search of a drink.

"I was quite concerned and stressed at the time. I had cattle drinking on the line and I was not getting enough water through the system," Steven said. "I already had a magnetic conditioner on another line so I put it on the one that was blocked. I called DELTA for advice and they said it might take a month or six months to take effect. Well, it worked in about five or six days. It was a pleasant surprise and a great relief."

Steven's success in treating his water with a DELTA conditioner has prompted him to buy a second unit. "I suppose up until that time the jury was still out for me if it was effective. But now - I wouldn't have bought another one if I didn't think it worked," he said.

Problem Build-up of minerals blocking main stock-irrigation pipe – causing major issues and stress for thirsty sheep and cattle drinking from troughs.

Solution Installation of a CU40-G4 DELTA Magnetic Water Conditioner.

Result Water flowing freely through pipe and into the trough - and a lot stress for stock owner and his stock.

Scum, sludge, grime, muck, grunge, slag and slush! Take your pick! They all mean roughly the same thing to people and industries battling pipe and soil problems caused by poor-quality water supply.

Mineral build-up in pipes, plumbing and equipment and salt and mineral-laced water are a constant headache for many.

So our Hunter Valley-based company set about developing magnetic water-treatment technology for everything from the house next door to large-scale irrigators, wineries, fruit and vegetable farms, mines, sporting grounds, nursing homes, swimming pools, drip irrigation systems, gardens and abattoirs.

DELTA technology is environmentally friendly, pollution and maintenance free, incurs no chemical, maintenance or energy costs, leaves no carbon footprint and has a service life of more than 25 years. All DELTAWater solutions products have a 100% money back guarantee.