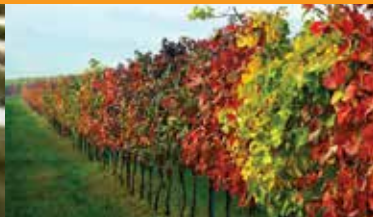


calcium & scale - the benefits of DELTA technology



**100%
Australian
PRODUCT**

Reducing maintenance and improving water quality are key benefits of the DELTA technology.

In industries using water for heating, cooling, sterilization and wash-down systems DELTA products minimise the impact of scale build-up. This increases efficiency through considerable reduction in costs and time spent on maintenance. The treatment also improves performance of systems involving heat exchange.

CASE STUDY

Australian water treatment product keeps toilets flushing

When 25,000 people visit the South East Field Days at Lucindale, which have been running since 1979, they will notice a few changes. There will be the obvious changes at the 16-hectare site, such as new exhibitors and attractions. And when it's time to take a toilet break, visitors will notice some big changes in the toilet blocks, thanks to long-time exhibitor DELTAwater solutions.

DELTAwater solutions manufacture a 100% Australian water treatment system, which the committee has installed to ensure the four toilet blocks run like clockwork.

Field Days committee chairman John Motteram said running, leaking toilets had provided a continual headache for the organising committee for many years. The mineral-laden bore water from a limestone aquifer caused serious calcium buildup in the toilets which required an acid wash, and sometimes, a complete cistern replacement. John said he was pleased to see the toilets run smoothly thanks to the Heavy Duty SL Grade 5 water treatment system they installed in 2015.

DELTAwater solutions has developed the Heavy Duty SL range for water previously untreatable due to its extremely high salt and mineral content. The custom-made range can treat water with up to 8,000 uS/cm Electrical Conductivity (5,000ppm salt).

"Since we installed the DELTA, the toilets haven't run or leaked," John said. "We've had a few smaller events during the year, but we're really pleased with how they performed during our biggest event of the year, with the toilets getting plenty of use."

John said the success of DELTA's 100% Australian water treatment products in the area was well known. He said locals had reported success in treating iron problems in their centre pivot irrigators. He said many also reported that DELTA products had solved their calcium problems in stock systems and salt problems in soils.

"We've watched the DELTA water treatment products with interest for a while, and they definitely work. There's no doubt about that."



An irrigation pipe blocked with calcium buildup before the water was treated with the DELTA technology (left) and the same pipe after treatment with a DELTA conditioner.

The DELTA technology combats the problems of calcium and scale build-up in pipes, recirculation and irrigation systems.

They prevent restriction and blocking in:

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

DELTA-treated water improves performance of:

- > Air-conditioners
- > Stock watering systems
- > Irrigation systems
- > Swimming pools
- > Household plumbing

Once a pipe is clean it stays clean!

CASE STUDY

Tangaratta Vineyards, Tamworth, NSW

NSW winegrower David Edmunds adopted the DELTA technology in 2002. In the past David had to flush the irrigation lines on the property's 28-hectare vineyard with the acid solution several times a year to clear calcium that was blocking drippers. It took time and it was frustrating. But now it's a thing of the past. And it's a similar story with the irrigation system's filtration cartridges. "The maintenance of the whole system is so much better and easier," David says.

Problem

Calcium build-up caused blockages in vineyard irrigation system, creating an inefficient watering regime.

Solution

Installation of 100mm Grade-3 DELTA, specifically adapted for the vineyard's dripper system.

Result

The dripper system remains free of calcium build-up for longer periods of time.

"Our workload, especially with cleaning filter cartridges and drip lines, has changed dramatically," he says. "DELTA has saved us a hell of a lot of work." David Edmunds, Tangaratta Vineyards



These images show the impact of installation of a DELTA Magnetic Water Conditioner on scale build-up in a drip irrigation system at Tangaratta Vineyards near Tamworth in NSW.

The second photo is taken 18 months after installation.

