



FilterTalk

FRESH NEWS AND INFORMATION FROM FILTERCORP INTERNATIONAL LTD • WINTER 2005

When it rains, these companies shine

Water is precious – and easily polluted. These two companies created systems to purify water for totally different reasons – and Filtercorp was part of the solution.

Waste not want not

REMEMBER AUCKLAND'S WATER CRISIS OF '94/95? For well-known television entertainer Laurie Dee these turned out to be watershed years. That's when he began inventing systems, tools and accessories to help people filter and harvest rainwater.

Unbeknown to viewers with whom he became a household name, Laurie was a certified engineer. Establishing his company Rainworks Ltd, he helped slake the thirsts of thousands of rural and urban Kiwi property owners and exported a range of products under his "Hedgehog" brand.

They range from gutter filters, cleaners and spades, to diverters (diverting rainwater from down pipes for garden use), restorers (pictured), tanks and drums.

The rainwater restorers are designed for properties on tank water fed from rooftops. Three models in the range screen water through a Filtercorp 800-micron (pinhead size) nylon mesh to provide cleaner, healthier, fresher tasting water. Tanks remain cleaner and require less filter and pump maintenance.



"When I had the idea," Laurie recalls, "I went to Filtercorp and said, 'this is what I want to do.' They came up with the solution with off the shelf components – that made the end product relatively inexpensive. Over 10 years, only one customer has ever needed to replace a Filtercorp filter bag – that's how good they are!"

Laurie Dee's products have won critical acclaim and awards in New Zealand, Australia and the USA. His inventive talents have also been documented in books about Kiwi ingenuity and inventions. For more about the product range visit: www.hedgehog.cc



Trash free stormwater

OVER THE PAST CENTURY, thoughtless disposal of industrial waste, sewage, storm water run off and other pollutant by-products of urbanisation and industrialisation wreaked havoc on the world's waterways.

In the early 1990's many industrial nations and their environmental agencies took steps to reduce degradation of our lakes and oceans.

Since 1999, an increasing number of New Zealand councils, developers, drainage boards and contractors have used sewage and storm water filtration systems developed by Ecosol, an Australian company established in the mid-nineties to develop products and services for environmental protection.

Ecosol developed the patented **Rapid Stormwater Filtration (RSF)** technology to overcome the limitations of traditional primary treatment systems such as trash

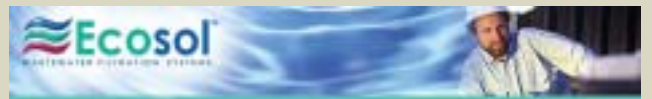
racks and other poorly designed litter baskets.

Primary treatment devices not only reduce the level and concentration of gross pollutants in drainage networks and ultimately our waterways, but they also lower the risk of pipe blockage and consequently, the potential for flooding.

The at-source **RSF 100** is installed into new or existing side entry pits of varying sizes and pipe dimensions, usually close to pollution-generating catchments such as shopping centres, schools and car parks.

It captures more than 95% of litter, vegetation, and coarse sediment from a wide variety of catchments – particles are often considerably less than 3mm.

Last year the New Zealand operation was taken over by Nick Watson – and one of his first innovations was to upgrade Ecosol's RSF 100 solid pollutant





Forres' Feedback

Filtercorp is a non-political organisation but I would find it difficult to be in the middle of an election campaign without making some comment.

Since the introduction of MMP some three elections ago, the only person I have ever met that voted for it was my dearly departed mother-in-law whose excuse was "I don't know anything about it but it must be better than what we have now."

What we have now is a confusing system that the majority of people still do not understand and an ever-increasing number simply do not care.

We all have two votes, one for the local candidate and one for the party. This election all the parties are touting for both of your votes but this is not the Kiwi way. If you have two votes, why not have a dollar each way?

The fact is that if you wish to have the maximum impact with your vote you really need to give both of them to the same party.

Whoever you vote for, be happy in the knowledge that you have the right to do so.

Fortunately democracy is still in the incubation stage at Filtercorp.

Forres



How is the air out there

IT IS NOT UNCOMMON when passing through airport terminals overseas to be confronted with a strong smell of kerosene. Not so at Auckland International Airport – and we hope you never are!

Several hundred Filtercorp Aerovane systems and pocket bags keep the air clean, dust-free and comfortable 24/7. Filtercorp developed special equipment to remove and replace Hydrosil HS600, which uses gas phase filtration through purple pellet technology to remove odours from airstreams. We also filter the air in transformer and compressor rooms helping to keep them cooler.

Airport Mechanical Foreman Clive Kerr says that over the years he's found Filtercorp excellent for getting information and helping out when there's a sticky problem. "They keep going until they find the answer to the problem – something you can't say about a lot of companies these days..."

→ continued from cover

storm water filter with Filtercorp 200 micron mesh liners, replacing a similar Nylex product.

"I discovered Filtercorp after an Internet search," he recounts. "The Filtercorp product far exceeded the capture rate of the original and any time there might have been a problem I just called Filtercorp's Miles Henderson and it was fixed straight away."



The filter liner (shown here) is easily removed for manual cleaning and can easily be cleaned by most street-sweeping vehicles. There's no handling of

pollutants – and access to the pit for drain maintenance is unhindered.

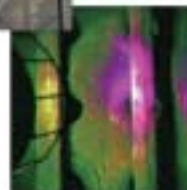
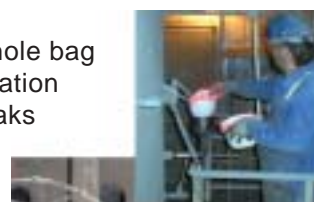
For information about the full range of systems visit www.ecosol.com.au or call Nick Watson direct, 021 401 474 or 0800 104 899.

New leak tracer saves baghouse \$\$\$

THERE'S NO NEED TO CHANGE the whole bag house when there's a suspected dust filtration leak. **Filtercorp Flurotracer** pinpoints leaks rapidly and locates faulty bags with minimum downtime – eliminating what was once a dirty time consuming job for maintenance engineers.

The method is simple. Basically, Flurotracer is injected into the inlet port of the dirty air stream and where there's a leak, it passes through the bag to the clean side of the collector. An ultra violet light is used to activate Flurotracer which emits an intense light glow. Small particle size means Flurotracer can be used to locate pinholes and faulty bag seals quickly and economically. It's ideal for use in steel mills, metal smelters, cement or asphalt plants, and other heavy industries.

If your license is subject to expensive emission testing, we recommend a fluro tracer test beforehand to pre-empt the result. Contact us for more information.



We were a little off par that day...

Yeah right. For the first year ever, we didn't do so well at golf....except where we didn't play. At our regular golf tournament between Fonterra Te Rapa, Maungataroto and Kauri, Te Rapa took the title. And it's their first year in the tournament!

We hoped to do better after the Fonterra Directors Cup Tournament. We jointly sponsored this event with Agriquality. Tournaments are staged in each region and

the finalists compete for the trophy. Winner this year was Clandeboye plant outside of Temuka.

But there was this other invitation game between sponsors, Fonterra management and the organising committee. We put up our best team and thought we'd be in with a chance. But no, the organising committee sank those hopes. Well there's always next year...



NEWS FROM THE FILTERWORLD

NEW COMPACT FILTERS

With an ever-increasing demand for more efficient filters there has been a big swing to F7, F8 and even F9 filters.

Traditionally these filters have come in bag form with anything from 3 to 12 pockets. Dust holding capacity has become an issue as the higher efficiency filters are manufactured from thinner material to avoid high-pressure drop and have a much shorter life.

The answer is the new Filtercorp cassette filter which, for F7 as an example, has a whopping 19m² of filtering area for a dust holding capacity of 630gms.



Designed for filtration in air handling units with high airflow rates (up to 5000m³/hr per filter) and long service, the new filters are particularly suitable for hospitals, pharmaceutical and food production facilities, computing centres, offices and fine mechanical industry. They also act as an excellent pre-filter for H.E.P.A. filters. Manufactured from shatterproof, virtually indestructible synthetic polypropylene fibres, the filters are a healthier alternative to glass fibre fleeces. They're also environmentally friendly being fully incinerable at the end of their life. Housing is extremely strong and filters can be fastened to existing holding frames or channel installations. Ask us for more information.

HOW ABOUT THIS!

At a time when the price of many commodities and materials are increasing, we've been able to lower the cost of one of the world's best filter materials.

Filtercorp Armourtex PTFE Teflon laminated needle felt filter material – known overseas as Tetratex – has traditionally been quite expensive. But now thanks to large volumes being bought in NZ we've been able to negotiate down the price. And you can still rely on excellent support from the overseas manufacturer.

TWO SIZES FIT ALL!

Until recently, we had real problems fitting people and stock into our buildings. In Auckland we had to rent space up and down the road to accommodate everything. No more! In **Christchurch** we've finished our move into new premises at 152 Hazeldean Rd. It's almost three times the size of the previous building around the corner and provides more room and facilities for stock holding, cutting tables and staff. In **Auckland**,

we've kissed rented space goodbye with the completion of a new two storeyed addition to premises providing more room for staff amenities and storage upstairs. Downstairs there's a service engineering workshop and laboratory whose pleasant bush outlook provides the perfect surroundings for staff daydreaming over new ideas. Total plant area is now 21,500 sq ft.

POSITIVE SPIN FOR YARN MAKER

The end result of Canterbury Spinners' endeavours is one of the most durable products in the world. The company makes yarn from pure New Zealand wool that is exported to Australia and Auckland to become Godfrey Hirst carpet. It's a 24/7 operation with over 250 people employed at the Bromley, Christchurch plant. As with most manufacturing, the process generates dust. But it's not a problem – thanks to a recently installed Filtercorp baghouse and associated ducting. The system incorporates top entry primary and secondary



dust and fibre catchers that use sonic pulse jet dust collectors, and a refuse disposal system. Purchasing Officer and Building Site Manager Neville Lush says the system is an improvement on previous sock extraction installations; the work environment is safer and healthier. Neighbours are happier and so is the local Council.

"I'm really happy with Filtercorp's Ken and Paul," Neville says. "They were always there to help and minor problems that surfaced during commissioning stages were easily solved."

** Footnote: Filtercorp has also recently supplied dust collectors to Cavalier Spinners in Wanganui and Napier.*

DP50 - DP80 POCKET BAG RUN OUT SALE!



We've a new ventilation line coming – and urgently need to clear stock. Call us now for details or visit our website for more technical information. It's your chance to really save your company money – and get a top notch pocket bag product as well.

BIG SAVINGS ON PULSEVAC VACUUM CLEANERS!

Filtercorp's clever reverse pulse industrial vacuum cleaner incorporates the latest technology in washable pleated filter, continuously cleaned by a blast of compressed air down the inside of the elements via a rings main pulse tube.

For major spills, or if you require the services of a small extraction system, simply lift off the power head and filter unit and place it directly onto a 200 litre drum, and this versatile unit will clean up the biggest mess.

Consider a PULSEVAC as a central vacuuming system with wheel-away versatility for every day use or tackling the largest spills.

Pulsevac fits through a standard door, is mounted on large easy rolling castors, has a powerful by-passing motor and fan unit, and is housed in a tough, lightweight aluminium casing.



Ideal for:

aluminium	saw dust	iron oxide	flour
fly-ash	asbestos	talc	lime
milk powder	foundry dust	carbon	wood dust...
coffee	phosphate	grain dust	and many more
gypsum	epoxies	pvc	substances

Only \$9,350.00 plus GST. Order now!
Visit our website www.filtercorp.co.nz
for more technical information.

FILTERPEOPLE

HER BROGUE might be Scottish but when it came to the Lions' Tour, **Joyce Murray** was all for the All Blacks, "the only one in the house," she laughs.

It was an advertisement in an Aberdeenshire newspaper promoting a "New life, new job, New Zealand" that brought Joyce, husband Graham and family here almost ten years ago.

The new life began in Beach Haven, on Auckland's North Shore. *New Zealand* became the rugby team of choice – though the rest of the family are still strong Scotland supporters. And the new job was at Filtercorp.

Back home, Joyce was office manager for the Alcohol Advisory Counselling Service (yes, we can almost hear what you're thinking – but no, the position had no relevance to Joyce's appointment to our team).



At Filtercorp she holds a variety of key roles with us including general administrator, accounts assistant, engineering administration assistant, quality control officer, and PA to Kevin and Blair McPheat...as well as assisting everyone else who needs a hand. "It is always really busy," says Joyce, "no two days are the same; there's always variation and something different."

After hours Joyce loves spending time with 2-year-old granddaughter Ashleigh and two dogs – Brandi a Boxer and Cindy a Collie Labrador Huntaway cross. And you'll often find her at work in the garden...

At Christmas she's an accomplished tabletop dancer after the company party.

**Footnote: Joyce informs us that unlike AA, Scotland's Alcohol Advisory Counselling Service does not see alcoholism as a disease*

requiring total abstinence. Instead, it helps those with a problem learn to control and manage alcohol consumption. It has an 85% success rate. No doubt to the relief of Scotland's renowned whisky industry...

New recycling development

AT FILTERCORP we have always, where possible, passed on our clean 'waste' material to companies that used it in their own manufacturing process. We also support recycling of glass, cardboard and metal.

Until now it's been impossible to recycle *everything* – but a new initiative between Filtercorp and a Christchurch company could see over 95% of material recycled into

petroleum products – with your industry being able to return old filters for recycling. We'll have more about this new process next issue. Or keep an eye on our website.

FILTERCORP'S WEBSITE gives you access to the widest range of filtration products and services in the country. Our web site is a living document and is being constantly upgraded with new products and technical details. Visit www.filtercorp.co.nz

Thought for the Season

I can remember when the air was clean and sex was dirty.
George Burns (1896 - 1996)



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