



# FilterTalk

FRESH NEWS AND INFORMATION FROM FILTERCORP INTERNATIONAL LTD • WINTER 2009

## A speedy solution for HamiltonJet

HamiltonJet operates a 10,000 sq metre factory, manufacturing waterjet propulsion units for a variety of industries.

This intricate process involves the processing of steel, aluminium and stainless steel. Starting with the raw materials, it necessitates metal casting, fettling, machining, painting and assembly.

With approximately 20 metal fabrication workstations, where welding, grinding and fettling operations are performed; airborne fume and dust levels within the factory were frequently high enough to cause concern to the employees and contribute significantly to create a dirty working environment.

The supply and installation of two Filtercorp dust collectors have enormously eased these problems. Providing efficient fume and dust extraction at work stations and within the main factory building has created a clean, safe working environment.

For HamiltonJet management, the beauty of the Filtercorp dust collectors is the fact they unobtrusively and quietly resolve what was a major problem. "I like equipment that I don't even hear about, after it's commissioned" said HamiltonJet's Engineer Paul Norridge. "The dust filters look great and the project has been an overall success."

The Filtercorp fume and dust extraction infrastructure also has a capacity suited to the foreseeable needs of the factory for the next five years, using a modular ductwork system which is simple to modify in the event of factory layout changes.





## Forres' Feedback

Man I am sick of hearing recession,  
global meltdowns and talk of depression.  
Thank goodness we're close to the shortest day,  
so the gloom can lift and we can play.  
I'm getting depressed with the negative talk.  
I need a swim, I need a walk.  
Because you know it is still all there,  
The mountains, the beaches, the local school fair.  
While the world struggles on with bankers gone bad,  
New Zealand has everything there is to be had.  
So let's be positive throughout our day,  
Don't let negatives get in the way.  
Enjoy the scenery, it's free to look,  
Go catch a fish or read a good book.  
But above all else, pass on good cheer,  
And if that doesn't work, just have a beer.

## New Innovation in Portable Dust Collection

Fiji Industries Ltd (FIL) is the premier supplier of cement in Fiji and is the preferred supplier of Pacific Island countries.

For over 48 years, the business has proudly produced world class quality cement, for both private and public projects throughout Fiji and in eight other Pacific countries.



Working with cement products obviously entails a high degree of dust particles. One of the key problem areas was the unloading from ship to truck, creating the need for two effective dust collectors which could be used and then removed safely from the docks when not required.

The skilled team at Filtercorp rose to the challenge, designing a dust collector which is not only effective for dust on cement, metal and mining, but also for clinker dust – a particularly abrasive dust.

These dust collectors fit onto the back of any container truck for ease of removal and for ground placement can be mounted using retractable legs on site.

The filter unit and the fan set are mounted on a heavy duty base frame, complete with twist locks for loading and securing to a flat deck truck or trailer – in the same manner as a standard shipping container. Tread plate decking is provided around an 18.5kw fan assembly providing safe access to the fan. A ladder leading to the filter compartments provides access to 128 Pleated Filters.

For a company to survive and thrive in business for 48 years, such as Fiji Industries has, it clearly has to be forward thinking and committed to quality.

The Filtercorp research and technical development involved in creating these custom designed dust collectors is an excellent example of the high standards of quality control Fiji Industries employs.

“The dust collectors have made significant improvements to our discharge process,” said Fiji Industries engineering manager Taitusi Tuvuki.

“Since arriving they have worked perfectly on every shipment in controlling dust generated in the transfer of clinker from the hopper to the trucks.”



# STOP PRESS !!!

Filtercorp are proud to announce that we have become a partner with Dr Abraham Turkson and his company Technical Filters.

We have known Dr Turkson since 1989 and he is a world authority in the application of medias to baghouse applications particularly in the high temperature range such as coal fired and wood fired boilers as well as asphalt plants, gypsum driers, lead smelters, clinker kilns, electric arc furnaces and more.

We have already supplied Technical Filters APEX glass/ptfe media to a Fonterra boiler ash bag house with complete success, with a second order eminent, and have several other large applications under consideration. For a top quality filter bag at a very competitive price just ask us for a recommendation and quotation.

Further details can be obtained at [www.technicalfilters.com](http://www.technicalfilters.com).

## Compact filter installation

When it comes to cutting edge technology, Glasshape Specialist Glass Products is ahead of the pack. This highly successful and dynamic business manufactures specialist glass product– from laminated glass to certified toughened curved glass; often the key feature in many successful building designs.

Thanks to the exciting investment in a new furnace, this go-ahead business can now produce certified toughened curved glass in New Zealand. Previously this has been imported from overseas – high in cost and risk factor. Anticipating the fact that certified toughened curved glass will become incorporated into more businesses than ever before, Glasshape has invested in the most advanced glass bending technology currently available.

Alongside the expansion of operations and with significant new equipment in place, Glasshape required high quality filters, carefully fitted into a confined amount of space. Mahurangi Sheetmetals worked on the successful installation, with Filtercorp International recommending and supplying the filtration, F7 Compact Filters. The F7

filters were the perfect answer where a high quality filter is needed without taking up too much room.

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

The answer is the new Filtercorp compact filter which, is designed for filtration in air handling units with high airflow rates (up to 5000m<sup>3</sup>/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.

*Ask us for more information.*



## FILTER PEOPLE



### Perry Mundell

Filtercorp is delighted to introduce a new head in the engineering department. Perry Mundell started with Filtercorp at the beginning of May, and brings with him a wealth of experience, knowledge and fresh, new ideas.

Perry has a proven track record in Dust Collector and Wet Scrubber design, technical and project documentation, project planning and management as well as logistics, procurement and site management.

After a number of years spent as a supervising and contract Engineer on large turn-key projects, Perry's skills have more recently been utilized as a Project Manager in the dust collection field including boiler boghouses. During his seven years as a Project Manager working for a multi-national dust collector manufacturer and supplier in South Africa, Perry brought many multi-million dollar projects through from conception to completion. In the year prior to joining the Filtercorp Engineering team, Perry worked as Project Manager for a local company specializing in the design, supply and Installation of Ventillation and Airconditioning equipment.

This opens up new doors for Filtercorp to not only continue offering state of the art collection systems, but to add to our range of products and services. We can now design and build industrial ventilation systems for building intakes, airconditioning and process air.

## Filtercorp embraces rural New Zealand



Director Blair McPheat in his rural makeshift office.

Determined to maintain work consistency during the Christmas holidays, Blair had everything covered for his rural expedition – including his laptop and remote wireless access.

However, much to his amusement, the only place Blair could get reception for his laptop's remote access was in the middle of a paddock, with a blanket over his head so he could see the screen.

## Service Division



Servicing of all types of filtration nationwide.

- Installation and replacement of filters.
- Fluorotracer testing and leak trace.
- Inspect and provide condition reports.

### North

Rodney MacDonald  
021 445 837

### Central

Tony Lynch  
021 244 5155

### South

David Campbell  
021 773 785

## 6 Bag SSV (Sonic Silo Vent) SPECIAL OFFER !!



Advance from this ...



... to this!

- Upgrade
- Cost effective improvement
- Easy installation
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- Tool Free Filter Changing
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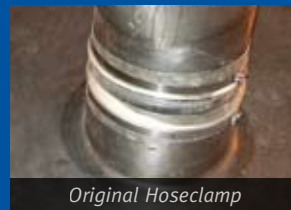
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9 only - so be in first



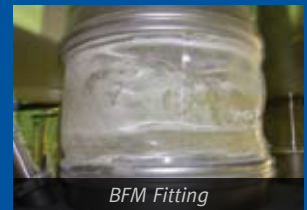
## NO MORE HOSECLAMPS

### UNHYGIENIC



Original Hoseclamp

### HYGIENIC



BFM Fitting

### Product build-up

Product commonly collects in behind hoseclips and gets caught between the connector and the bottom of the spigot.

### Product build-up eliminated

No crevices for product to get caught in.

## New Zealand Supplier of the BFM® Fitting

### Auckland

Ph: 09 481 9999  
akld@filtercorp.biz

### Christchurch

Ph: 03 377 9200  
chch@filtercorp.biz

## Thought for the season

“The important thing is not to stop questioning”.

*Albert Einstein*



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