

AIV Australian Industrial Vacuum × THE AUSTRALIAN MINING REVIEW

Australian Industrial Vacuum have had the honour of featuring multiple times within The Australian Mining Review. Our Delfin High Powered Vacuum range is the main point of discussion due to it's value within the mining sector.



BIG POWER.
BIGGER POTENTIAL.

Check out our features in The Australian Mining Review below!



AN INNOVATION IN FILTRATION

Australian Industrial Vacuum is handing operators their tools to fight silica dust with their impressive DHV range; products purposefully designed to mitigate health and safety risks in the workplace.

Based in Victoria, the company is a one-stop-shop for superior cleaning systems, designed to support even the most challenging industrial settings.

This includes project operators working with certain types of stone, rock, sand, gravel, and clay, which can cause the release of fine dust known as respirable crystalline silica.

According to Cancer Council, the dust is extremely harmful for workers and can lead to development of lung cancer, silicosis, kidney disease and obstructive pulmonary disease.

Australian Industrial Vacuum Managing Director Ken Schafer said his team were dedicated to reducing harm posed by silica in the workplace and offered just the right tools to do it.

"Silica dust is harmful when inhaled into your lungs," he said.

"It is 100 times smaller than a grain of sand, meaning you can be breathing it in for years without knowing the damage it's doing, until it is too late.

"Strict regulations have been put in place all across Australia where the exposure standard must not exceed 0.05 mg/m3 at an eight hour time weighted average.

"At Australian Industrial Vacuum, we can keep you compliant with that.

"Just check out our DHV range."

THE BEST IN THE BUSINESS

Providing maximum suction performance and reliability, the Australian industrial Vacuum DHV range has fast become the product of choice for mineral resources operators.

The solutions are easy to use, have substantial collection capacity and offer a comprehensive control mechanism against silica dust exposure.

The vacuum's primary strength is arguably its secondary filter, where HEPA filtration can be deployed.

HEPA filtration is one of the safest and most effective methods against silica dust exposure, which are individually tested in line with EN1822, the international filter standard.

The mechanism comes with up to a 99.995 per cent filtration efficiency for particles of 0.3 micron.

Mr Schafer said almost all Australian Industrial Vacuum offerings came with ability to upgrade to HEPA filtration, which was a popular choice among clients.

"These powerful cleaners are a real blessing for any business," Mr Schafer said.

"They banish cleaning woes with exceptional functionality.

"They eliminate 99.995 per cent of dust particles as minuscule as 0.3 microns.

"Considering that dust microns can be between 1 and 100 microns this means that HEPA filtration efficiency is really rather mind-blowing.

"Sanitation and spotlessness are absolute pillars in many industries which is why it's critical that proper equipment is used to ensure optimal cleanliness.

"For high performance, a HEPA filter vacuum is a must-have."

DESIGNED FOR INTENSIVE USE

Aside from its world-class filter, Mr Schafer said Australian Industrial Vacuum's DHV range was built to last and capable of intensive and continuous use.

The solutions provide safe and efficient handling of large quantities of dusty or dense



SAVING YOU TIME & MONEY

A large industrial vacuum cleaner will save you time because its size is capable of cleaning large areas relatively quickly. They are also more powerful, which makes the job easier. It also means that you may have to employ fewer people to clean for you, saving your business money.

With an industrial cleaner, you can also look forward to a healthier environment for your colleagues to work in, and this could result in less time off sick. At Australian Industrial Vacuum, we ensure that we use properly functioning filtration, which results in a long lifespan and low maintenance costs, which will be music to the ears of anyone who owns a business.

An industrial vacuum will also ensure that you get better results because it offers deep cleaning each time.

materials in heavy industries and are especially useful in dry recovery.

The systems are typically deployed in settings prone to spills of cement, stone, abrasive materials, foundry sand or woodchips where spills are 1 cubic meter or larger.

Project operators also use the vacuums to control and recover spills at conveyor transfer points and for the quick discharge of debris into bulk bags or large bins.

Mr Schafer said DHV systems were considered an essential part of the overall maintenance and cleaning work in heavy industries, due to their ability to provide maximum suction performance.

He said their on-job reliability and durable design meant they were the ultimate workplace health and safety solution.

"We have ducted options available and we offer personalised ducted layouts designed by our qualified engineering team," he said.

"This is in accordance with your specific site layout and collection requirements.

"We can accommodate long distances, multiple stories and from different points of the same plant.

"The possibility to convey material with a piping system from all areas of the same plant into a single collection point guarantees the highest efficiency and optimisation of space whilst reducing injury risks and improving safety for all workers.

"We want our vacuums to fit in seamlessly with your worksite and our highly experienced technicians know just how to make that happen."

TICKING ALL THE BOXES

Australian Industrial Vacuum's DHV range can be provided with IECEx Certification, which deems the equipment safe to use with combustible dusts, such as coal dust.

The certification is recognised in Australia and elevates DHV vacuums to the only certified solution in the high powered vacuum market,

The cleaners are equipped with detachable containers are easily moved by forklift, guaranteeing maximum simplicity and safety of use. The material is unloaded thanks to activation safety bars.

Clients can also rely on self-cooled pumps, which guarantee high vacuum values and maximum airflows.

Meanwhile, the suction unit is protected by polyester filters and class M safety cartridges, for dust as small as 1 micron.

An automatic alternating chamber filter cleaning system strengthens the filtration capacity further, while HEPA filter enables better handling of toxic dusts. **AMR**

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