



// ONE BRAND // ONE SOURCE // ONE SYSTEM



DUST SUPPRESSION

ULTRASONIC DUST SUPPRESSION SYSTEMS



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Innovation



Quality Assured



Sustainable



One Industries® Ultrasonic Dust Suppression Systems are now widely used in bulk material handling

Dust suppression systems are an ever-growing need to combat uncontrolled dust which is a cause of pulmonary disorders like pneumoconiosis (commonly known as black lung disease), silicosis, asbestosis and bagassosis.

The presence of dust will exacerbate wear and tear on plant and equipment, increasing the need for maintenance and replacement.

Coal dust suspended in air has far more surface area per unit weight than lumped coal making it susceptible to spontaneous combustion.

If the diameter of a water droplet is much larger than that of a dust particle, the dust particle is more likely to follow the air streams around the water droplet rather than contacting the droplet.

One Industries has developed a system which through air over water atomisation generates ultra-fine water droplets that create a dry fog effect; where water droplets are a similar size to

the dust particles (1-100 μm). A dust particle is captured by our atomising spraying system when it makes contact and agglomerates with a droplet of a similar size and falls to the ground, as its weight is now greater than what is required to be airborne.

Our units are housed in compact stainless-steel cabinets and use high quality components. The ultra-sonic dust suppression units use air and water atomisation technology to atomise the water to a fine mist of 2-10 microns, while providing 95% water reduction. Our Gen4 range comes inbuilt with scraper and spray solenoid technology IP65 rated solving your belt cleaning and dust suppression needs all in one tidy unit. This eliminates the need to run services to multiple boxes saving you time and money, but most importantly aiding in the protection of your personnel.

Our boxes are fitted with mesh filters in-by-e of the atomising unit, ensuring only clean water is processed through the system.



REMA TIP TOP AUSTRALIA
102 Kurnall Road Welshpool WA 6106

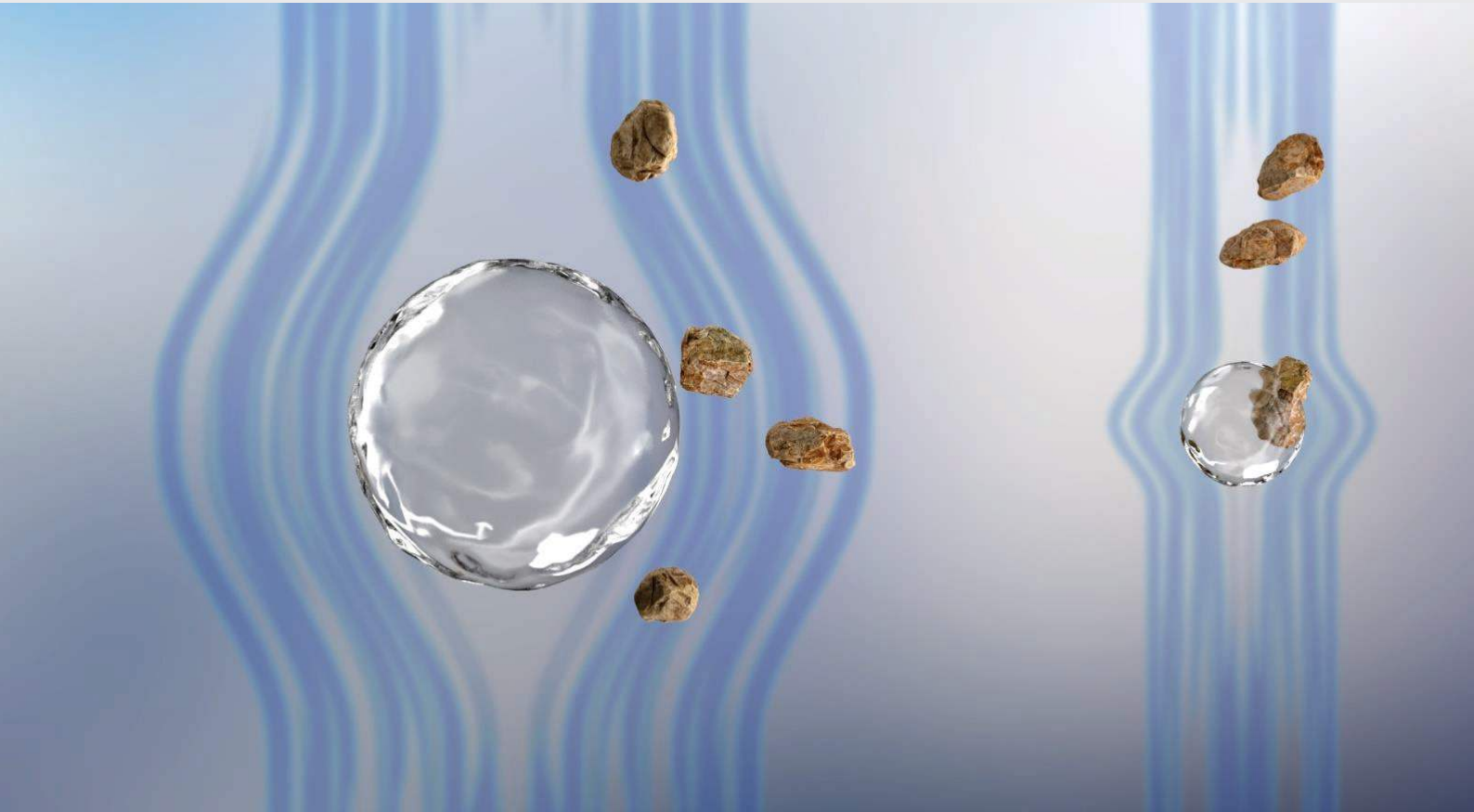
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With improved designs and engineered solutions, ONE Industries products will reduce the lifecycle costs and improve the performance and efficiency of our customers material handling assets.



FEATURES AND BENEFITS

- Our units can use as little as 7.1 litres of water per hour
- Reduced maintenance and wear and tear on equipment
- PLC Control
- Underground compliant solenoid & transducers
- Increased visibility for workers
- Controlled access for maintenance. Reduces tampering of unauthorised persons
- Controlling solenoids using set programming
- Suiting all electrical site requirements



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PART NUMBER WC-USDS-GEN1



DESCRIPTION

- Dust suppression system in stainless steel cabinet
- 6 bank air regulators
- Features IP65 solenoid for air and water
- Twin bypass lines
- Iron filter housing
- 30 meters of 6mm tube and 30 metres of 10mm tube included

PART NUMBER WC-USDS-GEN4



DESCRIPTION

- Dust suppression system in stainless steel cabinet
- 3 atomizing nozzle outlets
- 3 air regulators for belt cleaner airbags
- 2 regulated spray bar outlets
- Features IP65 solenoid for air and water and bypass lines
- Iron filter

This system gives complete control having the capability to run air atomising sprays, belt cleaners and water spray bars independently or in conjunction with each other in any combination



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Talk to our team today

INDUSTRY LOCATIONS

NEW SOUTH WALES

Newcastle

Lot 8 / 19 Balook Drive, Beresfield NSW

SOUTH AUSTRALIA

Adelaide

- 11 Lafitte Road, Wingfield SA 5013
- 6/16 Phillis Street, Wingfield SA 5013

QUEENSLAND

Brisbane

- 52 Wentworth Place, Banyo QLD
- Unit 18 10-12 Cerium Street, Narangba
4504 Brisbane QLD

Mackay

29-33 Maggiolo Drive, Mackay QLD

Gladstone

18 Helen Street, Gladstone Central QLD

WESTERN AUSTRALIA

Perth

102 Kurnall Road, Welshpool WA 6106

Port Hedland

41 Harwell Way, Wedgefield WA 6721

Kalgoorlie

16 Cunningham Drive, Kalgoorlie WA 6430

Bunbury

43 Halifax Drive, Bunbury WA

Kwinana

Unit 4/32 Beach Street, Kwinana Beach WA

NORTHERN TERRITORY

Darwin

Unit 2/45 Toupein Road, Yarrowonga
0830 Darwin NT



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