



Effective dust suppression solutions

Robust dust suppression systems built to last.

Beattys

EQUIPMENT
DUST SUPPRESSION

WE ARE BEATTYS

A family-owned commitment to provide innovative products.

SOLUTIONS BACKED BY OLD FASHIONED CUSTOMER SUPPORT

Family-owned businesses have something special. A core value that larger corporations cannot duplicate. When you have three generations of a family involved in a business, there's a genuine desire to look out for those people who work in, for and with the business. And there's a will for the business and our customers to collectively succeed. Since 1963 three generations of our family have given their best to ensure that Beattys Group's reputation as a quality manufacturer, supplier and employer is entrenched with those we value most - our people, our customers and our suppliers.



100% FAMILY
OWNED



VIP CUSTOMER
SUPPORT



24 HOUR
HOTLINE



QUALITY
PRODUCTS

Cleaner, safer work environments for longer.

Effective dust control during demolition or construction is critical to the safety and productivity of workers, and essential in keeping public spaces dust free. Our range of dust cannons and high-pressure dust suppression systems are specifically designed for dust, odour and air pollution control in various applications, providing cleaner and safer environments.



OUR BRANDS



Founded in 2008 and based in the Netherlands, MB Dustcontrol manufactures the SprayCannon series, a full range of dust emission systems that optimally controls dust in industrial environments.

smartflow[™]

We develop our own systems in-house, designed to create a safer environment without using large amounts of water or labour. Built on our vast industry experience, we provide custom designed dust suppression solutions for all types of mobile machinery and fixed plant.

Why use dust suppression?

IMPROVED AIR QUALITY

By capturing and settling dust, our dust suppression solutions contribute to better air quality, reducing respiratory issues and promoting overall well-being.

REGULATORY COMPLIANCE

Many industries have strict regulations regarding dust control. Using dust suppression helps businesses stay compliant with environmental and safety standards.

ENHANCED VISIBILITY

Reduced dust means improved visibility, enhancing safety in workplaces such as construction sites, mines or industrial facilities where clear sightlines are crucial.

COMMUNITY RELATIONS

Controlling dust emissions demonstrates corporate responsibility, fostering positive relations with local communities concerned about environmental impact.

PREVENTION OF EQUIPMENT DAMAGE

Airborne dust can damage machinery and equipment over time. Dust suppression helps minimise this risk, extending the lifespan of valuable assets.

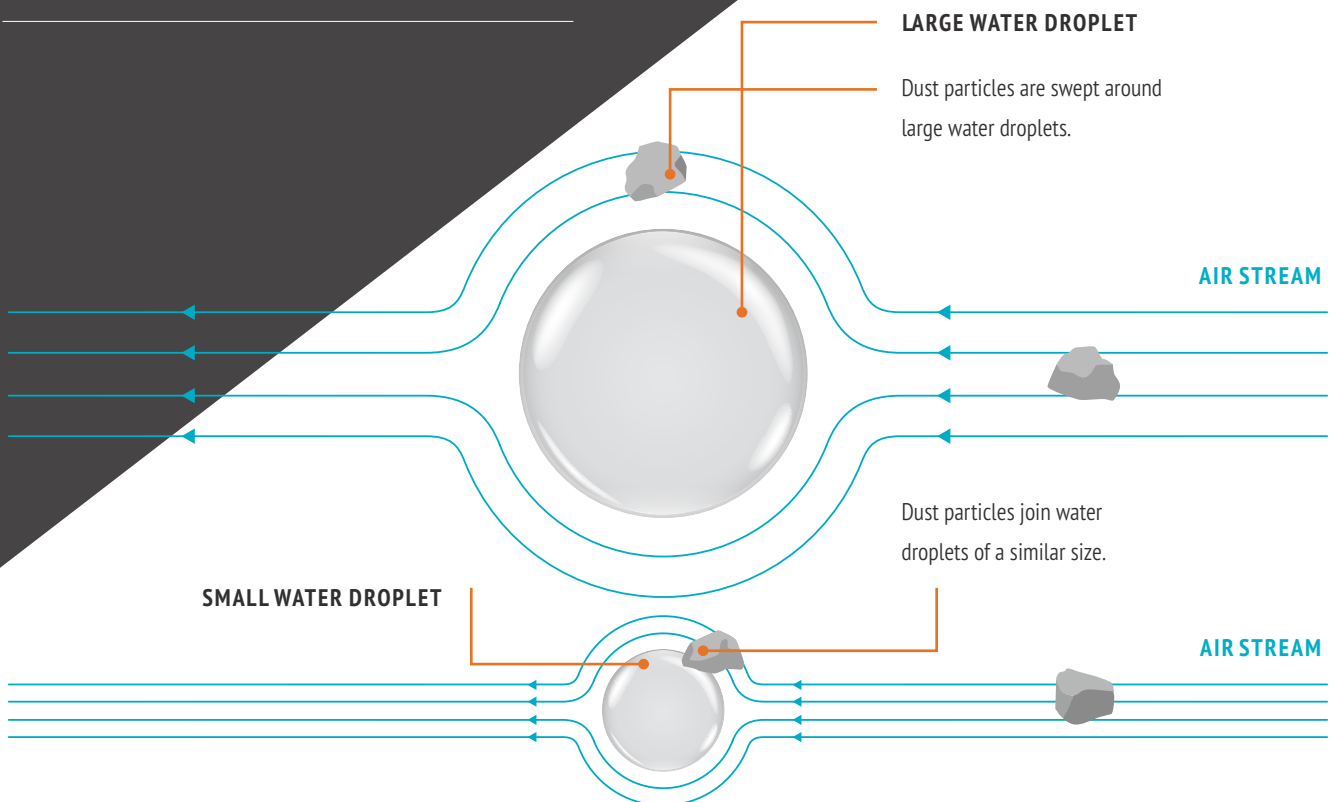
INCREASED EFFICIENCY

By minimising the need for frequent cleaning and maintenance due to dust accumulation, operations can run more smoothly and efficiently.

COST SAVINGS

Long-term benefits include cost savings on equipment maintenance, reduced wear and tear, and potential savings on fines or penalties related to environmental regulations.

HOW IT WORKS





Industries

DEMOLITION SITES

Dust suppression prevents airborne particulate matter during demolition, ensuring worker health and community safety.

QUARRIES

Controls dust to maintain air quality, enhance worker safety, and meet environmental standards in quarry operations.

WASTE MANAGEMENT FACILITIES

Essential for mitigating odour and airborne contaminants, safeguarding worker health and meeting environmental standards.

CONSTRUCTION SITES

Vital for worker safety, visibility, and compliance with regulations, minimising environmental impact during construction activities.

MINING OPERATIONS

Reduces respiratory hazards, environmental pollution and ensures compliance with regulations in mining operations.

INDUSTRIAL PLANTS

Crucial for worker health, equipment protection and compliance with air quality regulations in industrial settings.

PORTS AND TERMINALS

Protects air quality, worker health, and goods from contamination, contributing to operational efficiency at ports.

ROAD CONSTRUCTION AND MAINTENANCE

Ensures worker safety, visibility, and prevents environmental impact during road construction.

EVENTS

Keeps staff and attendees safe by using a water mist cooling system, reducing the risk of heat exhaustion.

Dust Cannons

OVERVIEW

Specifically designed to spray a mist to effectively combat heavy duty dust, odour, and air pollution in industrial environments. Our proven system binds the emitted dust particles with fine droplets of water (fog), causing them to quickly descend to the ground through gravity. The range of cannons can be mounted as permanent or mobile installations for quick and efficient misting in any application.

CONE DESIGN

Lightweight aluminium cone designed for maximum efficiency and durability.

EXCHANGEABLE NOZZLES

The nozzle ring is equipped with an integrated filter in each nozzle making cleaning quick and effortless.

HEAVY DUTY ROTATION

A heavy duty, double layered, fully closed oscillation group means no water or dirt can damage it.

ROBUST STRUCTURE

The pump, electrical cabinet, filter and oscillation unit are protected in a heavy duty covered frame for protection from harsh environments.

QUALITY COMPONENTRY

All components used throughout the cannons are from global market leaders like Grundfos and ABB.

PORTABILITY

Forklift pockets, lifting eyes and bolted feet for a range of transport options.

ENERGY EFFICIENT

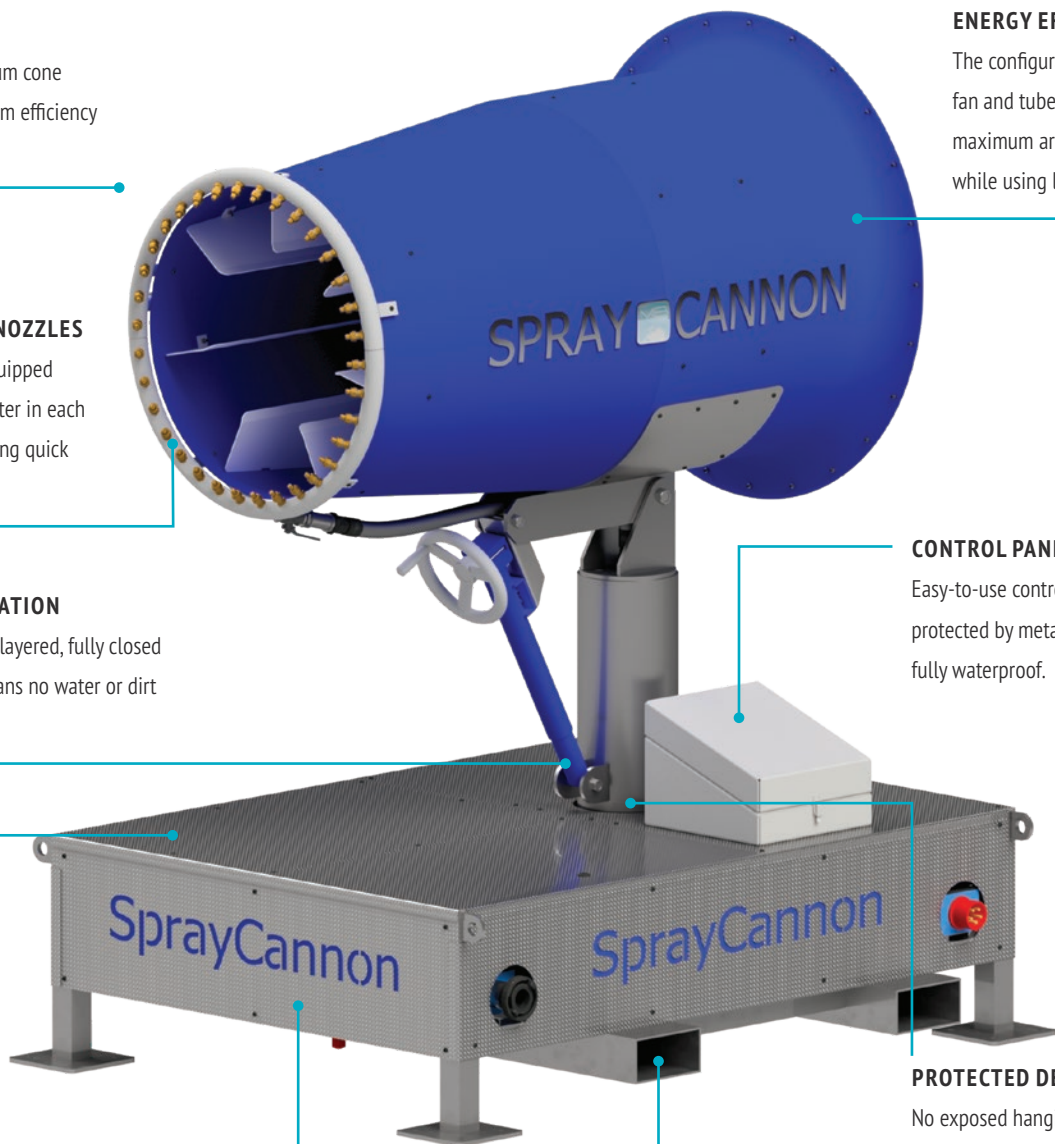
The configuration of the fan and tube produces maximum area coverage while using less energy.

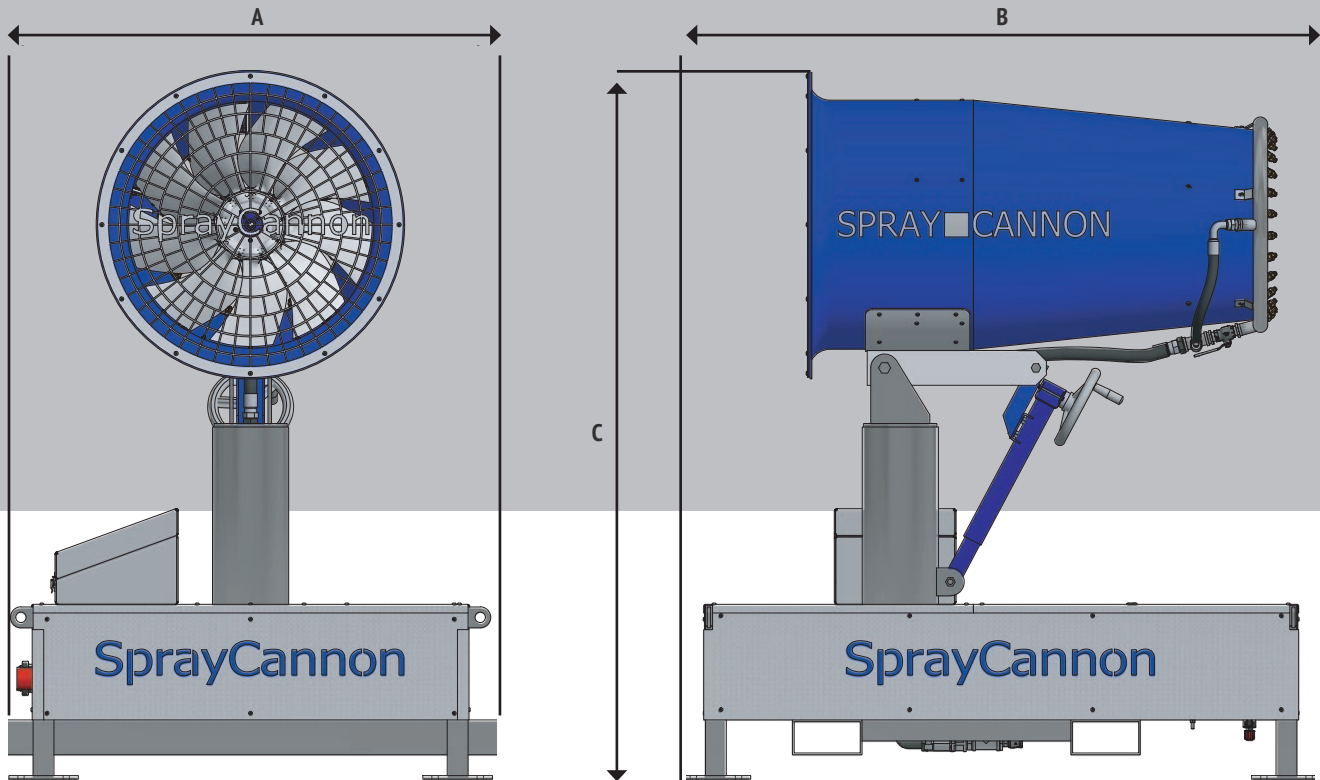
CONTROL PANEL

Easy-to-use control panel protected by metal lid and fully waterproof.

PROTECTED DESIGN

No exposed hanging electrical cables or water hoses results in a safe and durable working environment.





MODEL	SC-15	SC-25	SC-35	SC-40	SC-50	SC-60	SC-75	SC-90	SC-100	SC-130	SC-150
Area (m ²)	75	175	3,500	4,500	7,000	10,000	15,700	22,600	28,000	48,000	60,000
Throw (m)	10-20	15-25	20-35	25-40	30-50	40-60	50-75	60-90	70-100	110-130	120-150
Fan Power (kW)	0.28	1.5	2.2	3	5.5	7.5	15	18.5	22	30	45
Water Flow (L/H)	200	300	1,000	1,000	3,500	3,500	3,500	3,500	3,500	15,000	15,000
Pressure (Bar)	-	40	40	40	20-25	20-25	20-25	20-25	20-25	20-25	20-25
Power	10A 230V	16A 230V	16A 230V	16A 400V	32A 400V	32A 400V	63A 400V	63A 400V	63A 400V	125A 400V	125A 400V
Generator (kVA)	4	4	8	8	18	20	40	40	60	-	-
A (mm)	600	580	915	1,100	1,425	1,425	1,425	1,425	1,425	1,940	1,940
B (mm)	470	890	1,260	1,280	1,840	1,840	1,840	1,840	1,915	2,675	2,675
C (mm)	710	1,185	1,495	1,385	2,200	2,200	2,200	2,200	2,310	2,575	2,575

STANDARD EQUIPMENT

- Standard water pump
- Power connector placed on main frame
- Manual elevation
- Pump run dry protection
- Water drain valve
- Water filter system
- Automatic oscillation system
- Automatic water inlet valve

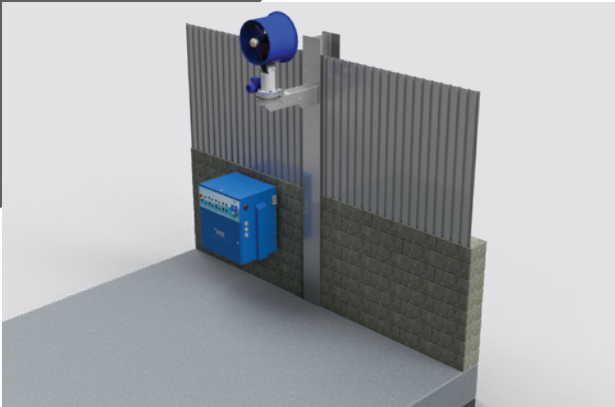
OPTIONAL EQUIPMENT

- Remote control
- Electrical elevation
- Split nozzles - 50% water reduction
- High pressure pump - 60 bar
- Dosing pump for mixing additives
- Wheel kits for moving on site

Dust Cannons

VERSATILITY TO SUIT ANY JOB

Whether for indoor or outdoor applications, we have permanent and mobile installation solutions to optimise the suppression of dust emissions in the most effective and efficient way.



WALL-MOUNTED SOLUTIONS

- Ideal for indoor applications like waste transfer stations
- Elevated operation improves range and coverage area
- Remote control cabinet and pump unit for easy access and operation
- Ability to run multiple dust cannons from one control cabinet



SELF-SUPPORTING SOLUTIONS

- Ideal for temporary applications like construction and demolition sites
- Modular solution with the ability to package a dust cannon, generator, water tank and trailer together
- Also available mounted on tracks for rough terrain



MAST-MOUNTED SOLUTIONS

- Ideal for covering large piles of material like gravel or rubbish
- Elevated operation improves range and coverage area
- Hydraulic telescopic mast rises up to 4m high
- Also available mounted on tracks for rough terrain



“BEATTYS’ DUST SUPPRESSION SOLUTIONS ARE SECOND TO NONE, NOTHING ELSE CAN MATCH THE PERFORMANCE OR VERSATILITY. FOR US IT IS A PROBLEM SOLVER.”

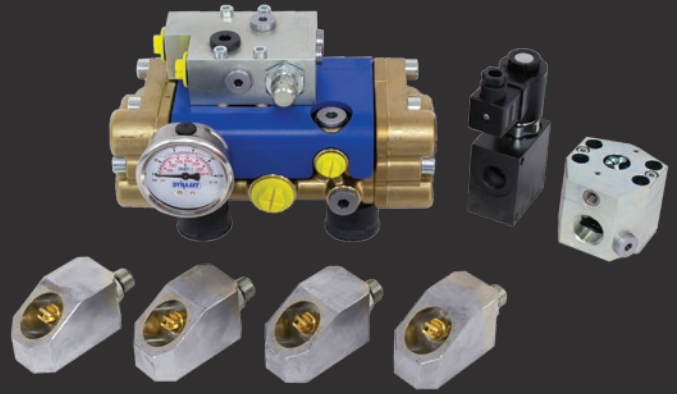
STEVE CAIE

WARD DEMOLITION

Targeted dust control

OVERVIEW

The best high-pressure dust suppression system will clear the air, improve visibility, and create a safer breathing environment without electricity, diesel, large amounts of water or labour. The SmartFlow dust suppression system does all of this and more. Our technology sends high pressure water through its uniquely designed nozzles that creates atomised mist. This mist-like water attaches itself to even the smallest specs of dust and removes them safely before they leave the very spot where they are formed.

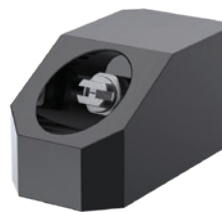


FEATURES

- Very compact making it easy to install on just about any area of your machinery
- Heavy duty nozzles are placed directly on an attachment. This makes it possible to position and spray directly where dust is being formed
- Uses very little water while being more effective than machines that use large water volume. Reduces the need for large tanks and prevents mudding of the work surfaces
- Increased visibility by using high pressure mist with microscopic water droplets
- Powered by the hydraulics of your machine, no need for electric power, diesel engines or any external pumps
- Reduced labour costs by removing the need for additional staff to water down the working area
- Completely cabin-operated with joystick push button and switch
- High pressure microscopic water mist binds dust particles effectively
- Heavy duty, solid metal weld on nozzle housings prevents damage from debris
- Low water consumption prevents mud from forming on machinery surfaces
- Increased visibility when working at distance
- Targeted water mist straight to the dust source
- Driven by the machine's existing hydraulic system, removing electric or combustion motors
- Easy to integrate and install on any hydraulic system
- Saves time, space, labour costs and water
- Ultra-compact design boasting the world's best power-to-size and power-to-weight ratio or any high-pressure water pump
- No rotating parts improves the reliability and removes the need for separate lubrication or cooling
- Cooled and lubricated by the hydraulic fluid, making it safe to run dry for an unlimited length of time
- Self-priming, with up to 3m of suction head
- Linear water flow adjustable from 0% - 100% by controlling the hydraulic flow

OPTIONS

- Retractable 20m hose reel with washing gun
- Machine-mounted water tanks
- Additional outlet nozzles
- Variable flow outlets
- Nozzle bars for crushers



EXCAVATOR STYLE NOZZLE



CRUSHER STYLE NOZZLE

		HPDS-2	HPDS-4	HPDS-6
Hydraulic Pump Model		HPW 160	HPW 250	HPW 220
Number of Nozzles		2	4	6
Standard Water Flow	l/min	10-16	20-28	30-40
Maximum Water Flow	l/min	18	30	50
Recommended Pressure	bar (psi)	140 (2,050)	140 (2,050)	140 (2,050)
Maximum Pressure	bar (psi)	160 (2,300)	250 (3,650)	220 (3,200)
Maximum Oil Flow	l/min	18	40	70
Maximum Oil Pressure	bar (psi)	210 (3,050)	260 (3,750)	210 (3,050)



APPLICATIONS

EXCAVATORS

Several nozzles mounted on the end of the excavator provide a very targeted mist when activated via a joystick button when needed.

LOADERS

Whether mounted on a bucket or a scraper, a fine water mist helps reduce dust pollution in open areas.

SWEEPERS

Nozzles spray a fine mist around active brooms, dramatically reducing the dust that is normally produced.

CRUSHERS

Mounted inside hoppers, crushing compartments or on conveyers, our high pressure system is the ideal accessory to your crushing operation.

SCREENS

With the use of high pressure low volume water nozzles, material is not saturated and blockages are prevented.





Beattys

**EQUIPMENT SOLUTIONS TO EQUIP YOUR
BUSINESS FOR SUCCESS**

Land and sea, quarry or road, building or demolition site, we're proud to bring our customers a range of solutions and products to improve the efficiency and effectiveness of either a full fleet of vehicles or a single machine. These solutions are backed by genuine support and industry expertise by our passionate and qualified team.

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100% FAMILY OWNED
FAMILY PROUD