

SPRAYCANNON



HIGH PRESSURE DUST SUPPRESSION



WE BEAT THE DUST!

DUST CONTROL - ATOMIZATION - HUMIDIFICATION - CLIMATE CONTROL - FIRFIGHTING - SNOW MAKING



WE BEAT THE DUST!



MB DUSTCONTROL

MB Dustcontrol specializes in the development and production of a full range of (mobile) SprayCannons. With or without trailer, water tank, or generator and from small to big. UV unit, remote control or frequency control are but a few of the available options.

MB Dustcontrol also provides indoor dust management solutions that can be mounted on a wall or ceiling, as well as solutions that can be used in open spaces.

HOW DOES THE SYSTEM WORK?

A high-grade network of stainless steel pipelines will be installed at the top of your hall, which will be equipped with specially created high pressure stainless steel nozzles, optionally equipped with Tracing. In the Technical Area we will install the pump, operating board, filters, UV – installation and water treatment installation.

By increasing the water pressure to 70 bars we will be able to create an extremely delicate screen of fog. Any floating dust particles will clot to these droplets of water and will fall down to the ground.



NO MORE HAZARDOUS DUST EMISSIONS!

SIMPLY 5 SOLUTIONS:

- AREA DUST CONTROL
- FOGSCREEN
- DRIVING PATH ATOMIZATION
- STORAGE BUNKER
- DOOR ATOMIZATION

Area dust control

When it proves impossible, or when there is simply too much dust in an area to fight it directly at the source, an excellent alternative is the of hall atomization.

A high-grade network of stainless steel pipelines will be installed at the top of your hall, which will be equipped with specially created high pressure nozzles. By increasing the water pressure to 70 bars we will create an extremely delicate screen of fog. Any floating dust particles will clot to these droplets of water and will fall down to the ground.

An additional advantage of this is that any droplets of water unaffected because of a lack of dust, will quickly evaporate. This will set a higher value of humidity, and will cause relatively less dust to be released from any source creating it.

Fog screen

When trying to control dust directly at the source becomes too complex or too expensive, and there is a clear separation between the sources creating dust and the rest of the hall, a fog screen might offer a potential solution. We will attach a high-grade network of stainless steel pipelines equipped with high pressure nozzles to the top of your ceiling. The overlaying of any already existing haze of water will be taken into account during the installment of our system. This will create a fog screen of approximately 1,5 meters wide down the hall. The length and size will be determined by the number of nozzles we install. Any dust created on one side of the screen will remain in place. As soon as it passes into the screen, it will gain weight because of the droplets of water clotting the dust particles, causing them to fall to the floor.



LEAVE DUST CONTROL UP TO US!



Driving path atomization

When a vehicle drives over a driving path, a large cloud of dust is created behind the wheel loader. A lot of this dust was created somewhere else, and descended on the bridge path. By installing bridge path nozzles, we can combat this dust in an efficient way. We will install a high-grade network of stainless steel pipelines equipped with various high pressure nozzles at the top of the bridge path. By locally increasing the humidity, a lot less dust will be formed when driving over the path. Any dust that is released still will simply clot together with our droplets of water and fall to the ground. Driving path atomization can be a part of your central hall atomization. But it can also be applied to be used on its own. The humidification can simply be controlled by means of remote control from a wheel loader, crane or truck.

Storage bunker

When you store products that are sensitive to dust in open bunkers, dust control is an absolute necessity. Especially when loading bunkers, a lot of dust can be created. In order to fight this forming of dust as best as possible, you can apply atomization systems.

Depending on the product that is stored and the wishes of our client, we can use humidification down the sides of the bunker, or place an efficient fog screen. This way we can increase the humidity locally and this will result in the decreasing the amount of dust on or near the product. This way, a very efficient dust controlling system is created.

Door atomization

When obtaining permits, you are often asked which means of dust controlling restrictions you have applied. After all, it is of the utmost importance that any residents living close-by, experience the least amount of nuisance possible from the activity in municipalities. Door atomization could be a contributing asset to this. A high-grade network of stainless steel pipelines is mounted to the frame of the door. This will be equipped with various high pressure nozzles. As soon as the door is opened, the atomization process is initiated. Trucks can simply drive through the haze while the dust that is trying to escape the hall will be clotted together by the droplets, reducing the hindrance of dust. Door atomization can easily be combined with driving path and/or hall atomization, and can be connected to the same pump unit.





THE RIGHT SOLUTION FOR EVERY DUST PROBLEM!



MB DUSTCONTROL

Fine dust emissions are hazardous. For years, MB Dustcontrol has been manufacturing fog/misting solutions that optimally control dust and minimize the risks. Our proven system consists of weighing down the emitted dust particles by binding them with droplets of water so they quickly fall to the ground through gravity.

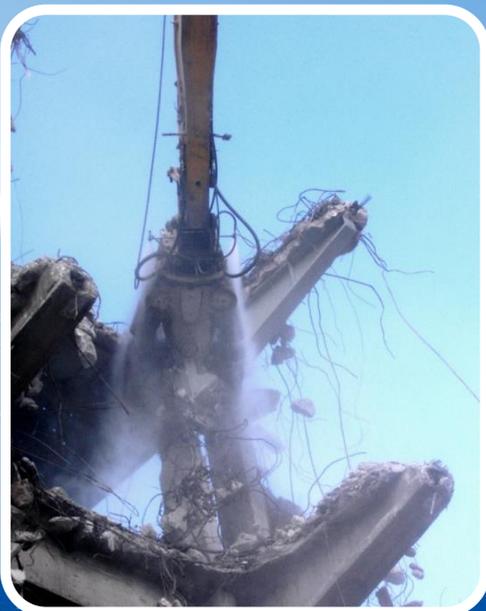
HP DUST SUPPRESSION SYSTEM ON BOOM OR TOOL

MB Dustcontrol also provides the possibility to mount high pressure dust suppression systems on various tools, machines or booms.

A high pressure system mounted a boom or tool will be a very complementary solution to a SprayCannon. In this way we try to achieve the 100% of suppressing dust for example at Demolition Sites.

Mounting the nozzles, the hydraulic valve and water tank onto the excavator, loader, crusher, pulverizers, breakers, drills, grapples, mobile crushers etc. will do the job and in this way you will be able to suppress the dust at the dust emission source...

HIGH PRESSURE DUST SUPPRESSION...MINIMUM WATER USAGE A MAXIMUM OF DUST SUPPRESSION!



HP DUST SUPPRESSION BOOM KIT

- HPW Pump
- Hydraulic priority control valve
- HP SS Dust Suppression Nozzles
- Washing Pistol (incl. 10 m. Pr. hose)

TECHNICAL DETAILS

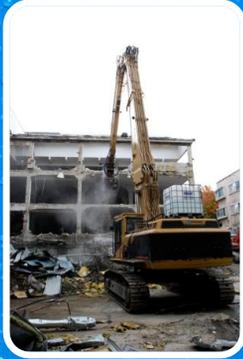
- Water Output Power: 120 - 140 Bar
- Water Usage: 5 - 30 L/min.
- Nozzles: 4 x SS Nozzles
- Dimensions Valve: 25x16x17 cm
- Weight Valve: 19 kg.
- Hydraulic Input Flow: 0 - 45 L/min.
- Hydraulic Input Press: 130 - 160 Bar



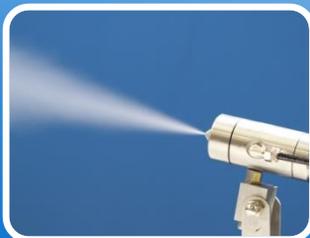


THE BEST DUST SUPPRESSION RESULT!

HP DUST SUPPRESSION SYSTEM ON BOOM OR TOOL



HP "AREA" DUST SUPPRESSION



MB DUSTCONTROL B.V.

INDUSTRIEWEG 2
2254 AE VOORSCHOTEN
THE NETHERLANDS

T. 0031(0)71-5610096
F. 0031(0)71-5614420

INFO@MB-DUSTCONTROL.COM
WWW.SPRAYCANNON.COM

