



# STORM MACHINERY

## VAPOUR INJECTION KIT

WATER INJECTION FOR DUST CONTROL



## DESCRIPTION

The Storm Vapor Injection Kit is designed to significantly reduce dust during abrasive blasting operations by introducing a controlled fine mist into the blast stream.

This vapor injection process suppresses airborne dust while maintaining the efficiency and performance.

The result is a cleaner working environment, improved operator visibility, and better control of dust emissions.



## WHAT MAKES THE VAPOUR KIT UNIQUE?

### 1 FLEXIBLE & MOBILE DESIGN

The Vapor Injection Kit is designed to be versatile and easy to integrate into existing blasting systems.

#### Key Features

- Fits any existing blast pot
- Lightweight and portable design
- Easily switch between dry blasting and vapor blasting
- Can support two blast pots simultaneously

### 2 MODULAR KIT SYSTEM

The Storm Vapor Injection system is supplied as a stand-alone modular kit, which means your blasting equipment remains fully flexible.

#### Design Advantages

- Install the system only when dust control is required
- Remove and store easily when not in use
- Blast pots remain fully functional for standard dry blasting

### 3 PRECISION WATER CONTROL

The Storm Vapor Injection Kit allows precise control over the amount of water injected into the blasting process.

The operator can adjust the system from minimal mist to a higher water flow, depending on dust control requirements.

#### Control Features

- Adjustable pressure regulator control water flow rate
- Accurate pressure gauge monitoring

## HOW THE SYSTEM WORKS

Water is injected directly into the blast hose where the high-velocity air stream atomizes it into a fine mist.

A second stage of atomization occurs when the mist exits the blast nozzle, producing extremely fine droplets.

These droplets attach to airborne dust particles, increasing their weight and causing them to fall to the ground instead of remaining suspended in the air.

### Performance Benefits

- Reduces airborne dust by up to 95%
- Improves operator visibility
- Creates a cleaner and safer work environment

## WATER SUPPLY OPTIONS

The system offers flexible water supply options depending on the working environment.

### 1. Direct Tap Water Supply

The system can be connected directly to a low-pressure tap water supply.

### 2. Container Supply *\*Clean water only*

Water can also be supplied from a water container, with the pump drawing water directly from the tank.

Additional Benefit: Using a water container allows operators to add rust inhibitors or other additives to the water to improve surface protection.



**THE FUTURE OF BLASTING**

Dust-controlled blasting is becoming an essential requirement across many industries. The Storm Vapor Injection Kit offers a practical and flexible solution that improves safety, productivity, and environmental compliance.



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