



**Environmental
Control Systems**

*“You crush the rock,
We’ll stop the dust”*

MOBILE FOAM DUST SUPPRESSION SYSTEM

Building on the success of our Foam Dust Suppression systems for static plants Environmental Control Systems has responded to customer demand and now offers a unique “Mobile Foam System.”

MAIN FEATURES & BENEFITS

The main features and benefits are derived from its fully self-contained design and portability. It is built in a 10ft sea container and has all the equipment required for producing consistent and good quality foam.

Benefits include:

- Easy operation via remote control or from signals taken from the crushing plant controls.
- Simple to use, and quick to set up.
- Long or short term rental options for only dry, dusty parts of the year or during a particular crushing campaign.



COMPONENTS OF A MOBILE SYSTEM



Compressor
and
Receiver



Pump cabinet
and
Control Panel



Environmental Control Systems

FEATURES

- Housed in a robust loft shipping container with lights, air vent and distribution board for incoming power.
- Unique Foam Generating Unit
- Water filter
- Air compressor and receiver
- Unique nozzle design with adjustable mounting brackets
- Control panel with warning lights
- Remotely controlled via radio control unit
- Bunded area for chemical storage
- Low power requirement

SPECIFICATION

	4 PORT	8 PORT
No. of nozzles	4	8
Maximum flow rate	30 L/min	75 L/min
Compressor	7kW/44cfm	11kW/60cfm
Water filter	Optional	Optional
Total power requirement	8 kW	12 kW
Chemical tank capacity	1000L	1000L

Typical Usage

300 tph plant with 3 crushers:

	Nozzles	Amount of solution
Primary	2	10 L/min
Secondary	2	10 L/min
Tertiary	1	4 L/min
Total	5	24 L/min



24 L/min = 1,440 L/hr • Dosing rate = 200 parts water to 1 part chemical

Chemical usage 0.024L per ton of material

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Note: An estimate of consumption is to be used as a guide only as there are a number of factors that can potentially affect usage.