

## STONE DUSTING MAXI-DUSTER OPERATING INSTRUCTIONS

The Brain Maxi-Duster is a non-pressurised trickle duster that will continually discharge and has no moving parts.

### SET-UP

- » Site the unit in a stable position before filling.
- » Remove hopper lid and ensure unit is free from foreign objects or solidified stonedust.
- » Fill unit. (Hopper has 15 bag plus capacity.)
- » Ensure no pieces of paper bag are left in the hopper as they may cause blockages.
- » Replace the lid.
- » Connect required length of 50N.B. stonedust delivery hose to the male outlet camlock.  
**DO NOT KINK, BEND OR OBSTRUCT THE DELIVERY HOSE WHEN OPERATING.**
- » Select suitable 25NB.air supply hose with claw coupler and “blow “ it clear before connecting to the air inlet to ensure that the air supply is clean and free of water.
- » **IMPORTANT:** Always use a safety clip or whip arrester on the air supply hose connection.
- » Partially open the mini-ball valve to the fluidising jets.
- » Turn on the air supply hose and open the air inlet valve to commence operation.



Air Inlet Valve

Mini-Ball Valve

We welcome your enquiries

+61 2 4969 2111 | +61 429 916 097 | [admin@brainindustries.com.au](mailto:admin@brainindustries.com.au)

Brain Industries (International) Pty Ltd | ABN: 85 610 708 168

[brainindustries.com.au](http://brainindustries.com.au)

# MAXI-DUSTER OPERATING INSTRUCTIONS

## ADJUSTMENT

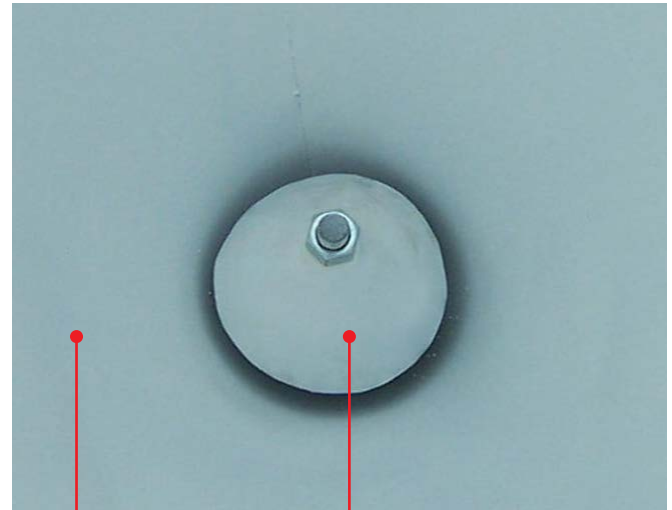
There are three adjustments that may be made when operating to optimise performance for different applications.

1. The main air supply can be throttled back by partially closing the air inlet valve to control the jet-pump air throughput.
2. The fluidising jets can be regulated using the mini-ball valve. (The jets only need a small volume of air to work effectively.)
3. The dust induction volume can be adjusted when the hopper is empty by undoing the 16mm nut and rotating the stonedust volume control cone up or down and re-locking the nut.

By using these adjustments in combination, lower density dust volumes can be discharged up to 150mtrs. or higher density dust volumes may be discharged over shorter distances using less air.

## SHUT-DOWN

- » Before shutting the unit down ensure that it has fully discharged the contents of the hopper.
- » Open the mini-ball valve to the fluidising jets fully to ensure they are blown clear and return it to the partially open position.
- » Open the air supply hose valve fully to ensure that the stonedust delivery hose is blown clear before it is disconnected.
- » Isolate the air supply hose at its source and depressurise it by momentarily opening the units air inlet valve before disconnecting the hose.
- » **DO NOT LEAVE STONEDUST IN THE HOPPER WHEN NOT IN USE.**



FLUIDISER  
NOZZLE

ADJUSTABLE DUST  
VOLUME CONTROL  
CONE

We welcome your enquiries

+61 2 4969 2111    +61 429 916 097    admin@brainindustries.com.au

Brain Industries (International) Pty Ltd | ABN: 85 610 708 168

brainindustries.com.au

# MAXI-DUSTER OPERATING INSTRUCTIONS

## SET AND FORGET MAXI-DUSTER VARI- ANT MODEL INSTRUCTIONS

The Set & Forget model has the same operating and adjustment features as the standard unit only with the addition of an air actuated / spring to close air supply control valve, air storage unit with bleed valve and press button operating valve. This enables the unit to be activated and left to operate for a factory pre-set time after which it will automatically shut down.

**NOTE:** The operating time will vary depending upon the available air supply pressure. Whilst the bleed valve may be adjusted the adjustment is very fine and the set time can only be determined by trial and error. The locking collar must be “nipped up” to avoid the set time changing.

### OPERATION

- » Set up as for the standard unit.
- » Turn on the air supply hose and open the manual air inlet valve.
- » Press and HOLD the red button for 5 seconds to charge the system.
- » Unit will commence operating for the factory pre-set time before shutting down automatically.
- » If the unit is operated on a regular basis the air supply hose may remain “ON”.

### SHUT-DOWN

- » Having operated for the set time the hopper should already be empty, the fluidising jets clear and the stonedust delivery hose clear.
- » Isolate the air supply hose at its source and depressurise it before disconnecting by leaving the manual air inlet valve open and pressing and holding the red button for 5 seconds. The unit should operate briefly until it runs out of air indicating that it is now safe to disconnect the air supply hose.
- » Keep the lid on the hopper at all times. **DO NOT LEAVE STONEDUST IN THE HOPPER WHEN NOT IN USE.**

ADJUSTABLE DUST VOLUME  
CONTROL CONE



AIR ACTUATED  
SUPPLY  
CONTROL VALVE

AIR STORAGE UNIT  
c/w BLEED VALVE

### SUPPORT

Replacement parts, service and repair is available from Brain Industries.

Do not hesitate to contact us for advice on the operation of, or applications for your Brain product.

We welcome your enquiries

+61 2 4969 2111 | +61 429 916 097 | admin@brainindustries.com.au

Brain Industries (International) Pty Ltd | ABN: 85 610 708 168

brainindustries.com.au