



TQB Brands Pty Ltd



Setup Guide Mobile Blasting Kit

Product Codes: 3008 3032T 3060

Research has shown that media blasting productivity gradually increases with abrasive feeding rate until a critical value is reached, after which productivity maintains constant or can decrease. After that value has been surpassed, consuming more media actually reduces particle velocity, wastes abrasive and lowers efficiency.

SETTING THE AIR FLOW

1. Ideal setting up of the 3008.3032T,3060 Blast kit begins with the regulator set to 90psi input and the media valve at the base of the blaster tank fully closed.
2. Hold the gun trigger open fully and check to see if there is a steady stream of air with no loss of pressure at the gauge.
3. Gradually increase the air pressure via the regulator adjustor knob while holding the trigger open, if your compressor has a free air delivery rating above that of the blasters specifications the gauge reading should rise with the adjustment.



Ideal pressure will be dependent on the ability of the air supply to remain constant and without pressure drop at the gauge, as there are many variables including media type and nozzle size. However, in most cases this pressure generally around 90 to 110 PSI. Keep note that the blaster will have a peak operating pressure rating and should not be operated above this rating.

SETTING THE AIR/MEDIA FLOW

Once a solid uninterrupted air flow is achieved, we need to then open the media flow valve. Ideally a sample of the item to be blasted should be on hand to test while the adjustment process is done.

TUNING YOUR BLASTER

The media valve (abrasive media valve) at the bottom of the tank determines how much abrasive mixes in with the air going to the nozzle.

4. Open the media metering valve to approximately 1/8th of its total swing and test the blast against your test sample.



You may need to adjust a further 1/8th if a quicker cutting degree is required but keep in mind that adding media into the air stream will slow the velocity and effectiveness of the blast stream and raising the air pressure a further 10psi may be required.

Please note that a fully open media metering valve can cause media to stall in the hose behind the gun assembly due to the added weight in the flow stream and dramatic slowing of the stream velocity. Should this occur, close the media valve, and repeat the settings instructions 1 to 4.

Be aware of abrasive clogging the system. Depressurise if necessary and replace the abrasive media with drier or cleaner abrasive media and repeat steps 1 to 4.