



AirBench™ BD

Operation and Maintenance

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NOTE

Directions for Use

AirBench BD is built to CE standards (1995) and conforms to HSG258 (controlling airborne contaminants at work). As such, it must be operated in strict accordance with this manual.

AirBench BD is designed for indoor installation only and must be protected from excessive moisture. Always make sure that good access is provided for the maintenance of the BD.

The BD must not be used in an environment where there is a risk of explosion from dust or gases in explosive concentrations

- The BD must not be used for extracting toxic substances
- The BD must not be used without filters
- Disconnect from air supply and ensure unit is fully discharged before performing maintenance operations.

PRIOR TO USE

PREPARATION

Immediately upon receiving the unit, examine the packaging for any damage that may have occurred during shipment. Ensure the shipper is advised of any damage prior to signing any delivery receipt. In the event of any damage please contact the supplier immediately.

INSTALLATION

The unit should be located in a suitable position with good access for operators.

AIR CONNECTIONS

The unit is supplied with a series 25 airline connector and this should be connected to your compressed air supply. BD requires air at approx 80psi.

COMMISSIONING

The unit is commissioned and tested prior to despatch. A commissioning certificate will be provided with the unit.

OPERATION

PRINCIPLE OF OPERATION

BD uses a compressed air supply to

- a) generate a downwards airflow through the surface using a venturi effect.
- b) power the blow gun.

The unit is supplied with a single stage filter.

Air is blown through a nozzle downwards, towards the scrap bin. This air movement entrains atmospheric air creating a downdraught through the surface of the bench. Swarf and small particles are trapped in the disposable filter pad, which is in turn held within a removable bin in the base of the unit.

CONTROLS

There are no electrical controls. The air supply to the unit is controlled using the integrated footpedal; when the air supply is activated the blowgun can be used by depressing the trigger.

FILTER REPLACEMENT

The filter should be inspected regularly and replaced when holed or damaged.

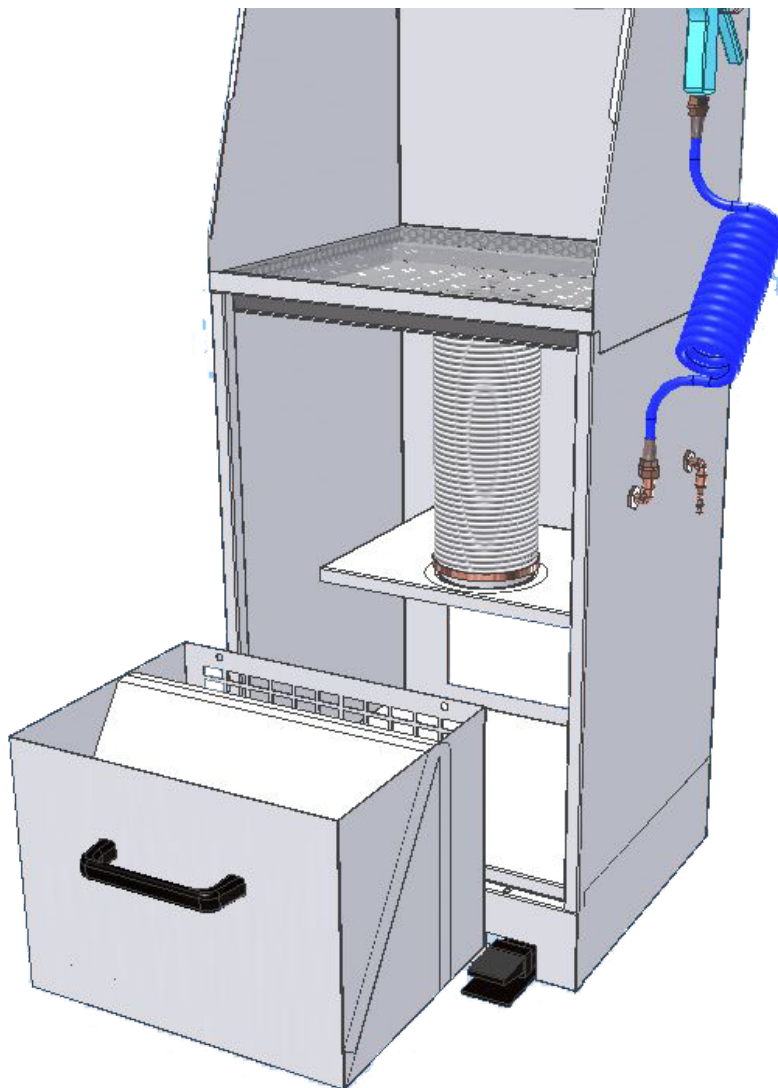
FILTER ACCESS

To access the filter pad, remove the front door. This is held in place magnetically.

The lid on the interior bin can then be lifted off and the bin slid forward to remove from the body.

The pad can then be removed and disposed of. The bin should be emptied and cleaned at this point; a new filter can then be fitted.

Note the folded filter arrangement ensuring exhausted air is passed twice through the filter.



CONSUMABLES

The only consumable part for this unit is the disposable prefilter pad. This can be purchased direct from AirBench. We recommend the purchase of bulk packs for easy replacement.



WARNING! Risk of personal injury.

- Always isolate the air supply before changing filters or removing any components from the BD.
- Use necessary PPE

SUPPORT

Contact your supplier, or the manufacturer:

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