



Emergency Air Handler

Designed and built by **BioZoneGlobal** to maintain animal welfare and survival in the case of Air Handler failure

Emergency AHU Features:

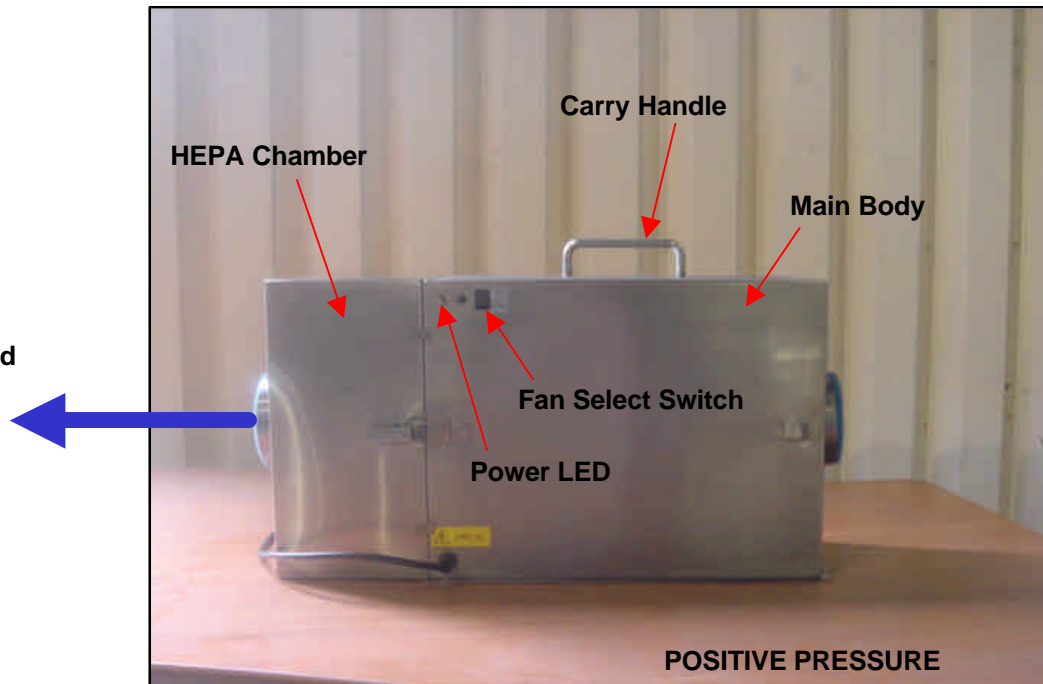
- In the event of Air Handler Failure, the specially designed “Emergency Air Handler” from BioZoneGlobal can temporarily supply your animals with fresh **HEPA Filtered** air while your main Air Handler Unit is repaired or replaced.
- Lighter, more compact design allows much **easier transportation** from room to room.
- Simple design means **easy operation** for the user.
- Unit can be used on Single and Double sided racks, in either **Positive** or **Negative** Pressure modes.
 - Keep animals alive
 - Experiments stay operational
 - Reduced equipment downtime
 - Peace of mind
 - Select between Positive/Negative Pressures
 - Select between Single/Double sided IVCs.

Giving the customer all the benefits of BioZone’s **Emergency AHUs** but from a **more compact, lightweight** design

Setting up for Supply Air (Positive Pressure) Mode:

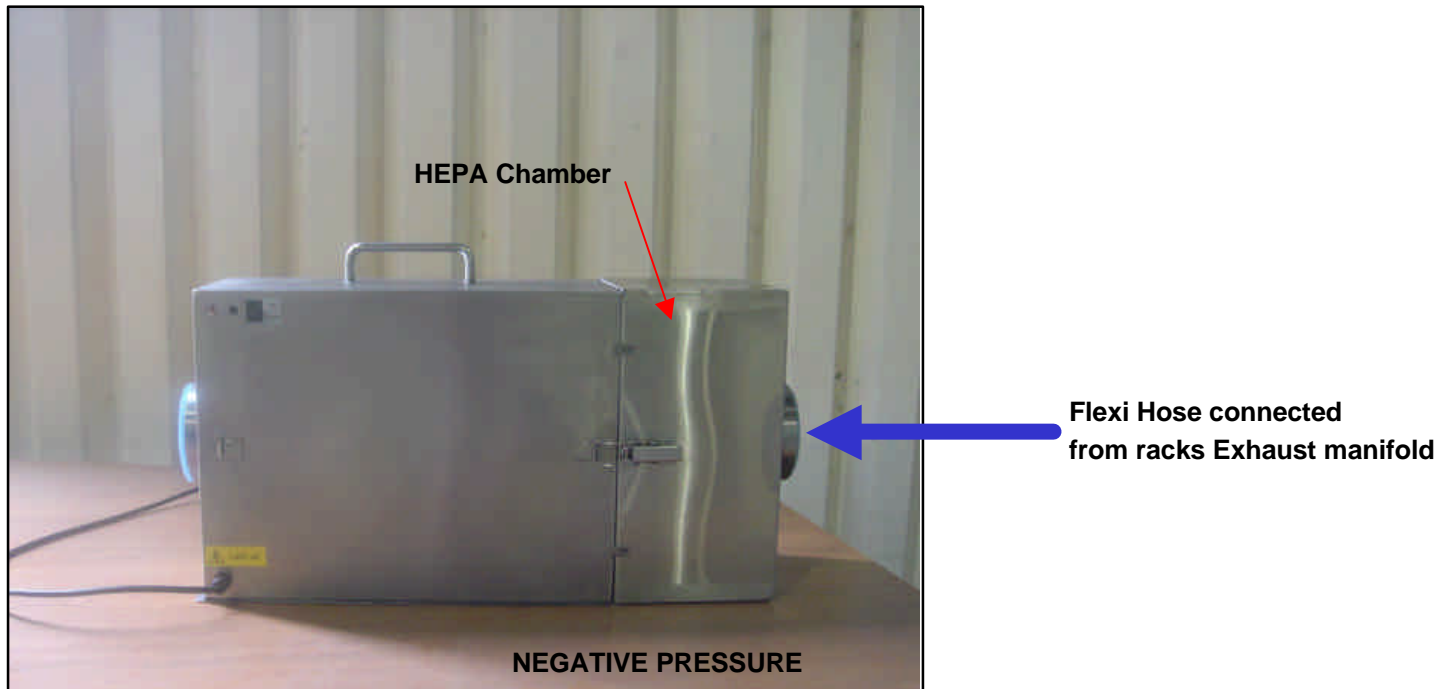
- Place the round blue Pre-Filter into the end of the main unit labelled “**Exhaust Filter**”.
- By using the two latches, attach the **HEPA filter chamber** to the end of the unit labelled “**Supply Filter**”.
- Set the “**Fan Select Switch**” to “1 FAN” for use on a single-sided rack or “2 FAN” for use on a double-sided rack.
- Attach the FlexiHose from the supply manifold of the rack to the **Hepa Filter Chamber**.
- Plug the Emergency Air Handler into the main electrical supply and check that the **power light** of the unit is illuminated.
- The rack is now in **Positive Pressure** Mode and supplied with HEPA Filtered air.
- Please note: If the original Air Handler is connected to an exhaust HVAC system, leave the FlexiHose from the exhaust manifold of the rack connected. This will assist to provide a circular flow of air.

Flexi Hose connected
To racks Supply manifold



Setting up for Exhaust Air (Negative Pressure) Mode:

- Place the round blue Pre-Filter into the aperture of the **HEPA Filter Chamber** (small box with a latch on either side, shown in diagram).
- By using the two latches, attach the **HEPA filter chamber** to the end of the unit labelled “**Exhaust Filter**”.
- Set the “**Fan Select Switch**” to “1 FAN” for use on a single-sided rack or “2 FAN” for use on a double-sided rack.
- Attach the FlexiHose from the exhaust manifold of the rack to the **Hepa Filter Chamber**.
- Plug the Emergency Air Handler into the main electrical supply and check that the **power light** of the unit is illuminated.
- The rack is now in **Negative Pressure Mode** and the Exhaust air is HEPA Filtered.
- Please note: Leave the FlexiHose attached to the supply manifold of the rack connected to the original Air Handler. This will ensure that air drawn through the rack will continue to be HEPA Filtered.



Additional Notes:

To determine which manifolds on your BioZone Rack are Supply and Exhaust, stand at the front of the rack and face it. The Exhaust manifold is always on the left hand side and the Supply manifold is situated on the right hand side. Please contact Technical Support at the BioZoneGlobal office if unsure.

This system is designed to be a temporary measure to supply or extract air from your IVC Unit whilst your main AHU is not functioning or being repaired/replaced. Please contact BioZoneGlobal as soon as possible to receive assistance in the case of Air Handler failure.

For more information on **BioZoneGlobal** Products please contact us:



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