The Whitley A35 Anaerobic Workstation

The Whitley A35 Anaerobic Workstation is the latest innovation in workstation technology from Don Whitley Scientific. Complete with a built-in, rapid airlock and intuitive touch-screen control panel, this new workstation ensures a strict anaerobic environment. Available with rapid-entry ports or sleeve-gassing entry ports, the A35 is customizable to your lab’s needs. Available options include Electronic Anaerobic Conditions Monitoring System, 15 cm letterbox, data logging, custom-designed trolley, and removable front.

The A35 offers the option of rapid-entry ports, sleeve-gassing ports or an interchangeable removable front so your lab has both port options. Rapid entry ports are ideal for users who are in and out of the chamber for short periods of time. We recommend our conventional sleeve-gassing ports for users who will be spending extended periods of time working inside the chamber.

The work and storage areas of the chamber are temperature controlled with an impressively low gradient threshold of ± .6°. This allows the full internal volume to be used as an incubator if desired.

The A35 has the option of a standard, fixed front or the removable front. The removable front allows convenient access in the chamber and is easily removed and replaced with no extra tools or loose pieces.

The built-in 12L, rapid-cycle airlock can introduce samples or equipment into the workstation in 60 seconds. It has the capacity to move up to 40 Petri dishes at a time.

The A35 incorporates patented use of Anotox (activated carbon impregnated with ferric hydroxide) for atmospheric conditioning. By using Anotox, the catalyst does not have to be removed and regenerated routinely. Anotox removes the hydrogen sulfide and volatile fatty acids (byproducts of anaerobic metabolism) that poison the catalyst and impede the growth of anaerobes.

Features

- Automated humidity control with no user maintenance
- Rapid, built-in transfer airlock
- Internal storage shelf
- Dual gas operation and automatic commissioning cycle
- Constructed from 10mm thick annealed acrylic, most robust chambers available
- Tangential fans create laminar flow in chamber, internal atmosphere is constantly being circulated over catalyst, Anotox, and heating mat for a consistent and strictly anaerobic environment
- A35: ~500 plate capacity with ample work space
- No requirement to bake catalyst, simply replace catalyst and Anotox annually
- Chamber can be used for microaerophilic incubation, simply remove Anotox and catalyst and connect pre-mixed gas tank
- Touch screen interface to control all chamber settings, can be password protected
- Double internal power socket, 2 Amp max

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Whitley A35 Options

- 15cm Letterbox, ideal for quickly introducing small quantities of samples and supplies

- Spare Cable Gland

- The Whitley A35 is available with custom port and front panel options. Standard, fixed front with rapid-entry ports or conventional sleeve-gassing ports. Removable front with rapid-entry, or conventional sleeved ports, or users can specify both port options with two interchangeable removable fronts

- Data Logging, for temperature, humidity, chamber pressure and anaerobic conditions. Stores up to 30 days of system information, accessed via USB port

- Trolley, custom-designed trolley frees up bench space and allows the chamber to be moved. Can also be fitted with adapter for gas tank storage

- Internal Storage Trays, maximum 2 per unit; positioned under the shelf

- 10 Plate Petri Dish Rack

- Whitley Petrifoto Imaging System, conveniently fits inside all Whitley Workstations and allows users to capture detailed photographs of Petri dishes during incubation

- Anaerobic Conditions Monitoring System monitors and displays real time oxygen levels within the workstation. Depending on the percentage of oxygen present, the chamber/airlock symbol on the touch screen will read green, yellow or red. The system is complete with oxygen sensor and a special software package. The oxygen sensor is located inside the chamber for accurate, real-time readings and is easily and quickly calibrated via the touch screen

- Integrated Touch Screen Computer System, all Whitley Workstations can be fitted with an integrated touch screen computer for easy data entry. The touch screen is conveniently mounted for ergonomic use and connects to an external computer

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### Specifications

<table>
<thead>
<tr>
<th>Capacity (Liters)</th>
<th>326</th>
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<tbody>
<tr>
<td>Capacity (Petri Dishes)</td>
<td>500/600</td>
</tr>
<tr>
<td>Gas Supply</td>
<td>ANO2/N2</td>
</tr>
<tr>
<td>Airlock Cycle Time</td>
<td>60 seconds</td>
</tr>
<tr>
<td>Airlock capacity (Petri Dishes)</td>
<td>40 plates</td>
</tr>
<tr>
<td>Dimensions (w/d/h in mm)</td>
<td>1255 x 720 x 710</td>
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<tr>
<td>Weight (lbs/kg)</td>
<td>220/100</td>
</tr>
<tr>
<td>Temperature range</td>
<td>5°C above ambient up to 45°C</td>
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<tr>
<td>Electrical</td>
<td>110 V, 50-60 Hz</td>
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### Related Products

**Whitley DG250 Anaerobic Chamber**
Our smallest, most economical anaerobic chamber. 250 plate capacity, port hole doors operate as miniature airlocks

**Whitley A45 Anaerobic Chamber**
3 entry ports, 750 plate capacity with 40-plate transfer airlock. Available with combination ports

**Whitley A55 Anaerobic Chamber**
4 entry ports, 1,000 plate capacity with two 40-plate transfer airlock. Available with combination ports

**Whitley A85 Anaerobic Chamber**
540 plate capacity, larger 90-plate transfer airlock, conventional sleeve-gassing ports

**Whitley A95 Anaerobic Chamber**
1080 plate capacity, 4 entry ports, can accommodate two users, larger 90-plate transfer airlock, conventional sleeve-gassing ports

We also offer a complete line of oxygen-controlled workstations