Anaerobic Chambers

AC505/515/706/716/505A/515A

MADE IN THE USA

Designed to control atmosphere with O_2 sensitive materials. Any inert gas may be used.

Anaerobic Chamber for Single Operator

AC505
115-120V 60Hz 10 amps

AC515
220-240V 50Hz 5 amps

Anaerobic Chamber for Multiple Operators

AC706
115-120V 60Hz 10 amps

AC716
220-240V 50Hz 5 amps

Ideal for up to two (2) operators

Features

- Two vacuum diaphragm pumps, one each for the drying train and the transfer chamber (purging)
- All controls are illuminated
- "Bright Light" illumination system with a 40,000 hour lamp guarantee
- All clamps are adjustable to compensate for wear
- Adjustable vacuum gauge on transfer chamber
- Transfer chamber is 12' (305mm) long x 11' (280 mm) I.D.
- Four (4) ground key-cock valves for purging
- Electric outlet (socket) strip (UL, CSA, CE)
- Self-sealing quick disconnects allow changing of the drying train without disturbing the internal atmosphere

Catalyst Heater

- Reduces trace amount of O_2
- Maintains correct incubation temperature

Drying Train

- Includes its own vacuum pressure pump and polycarbonate canisters filled with molecular sieve

Molecular Sieve

- Absorbs moisture
- Easily rejuvenated in an oven

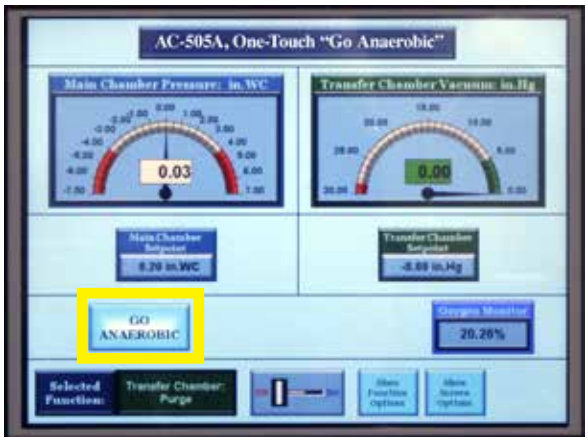
Applications

- Microbiology
- Biochemistry
- Plasma environment work
- Animal science studies
- Electronic sub-assembly work

Specifications

Model	AC505/515	AC706/716
Top and bottom sections	Top: Formed one-piece clear plastic with "Easy Clean" corners Bottom: Matched die-molded whote thermoset with "Easy Clean" corners	Optically clear top and bottom sections with "Easy Clean" corners
Drying train	Includes three (3) clear plastic canisters filled with molecular sieve	Includes six (6) polycarbonate canisters filled with molecular sieve
White ambidextrous hypalon gloves	One (1) pair	Two (2) pairs
Inside dimension (WxDxH)	41" x 28" x 26" / 1040 x 710 x 660 mm	60" x 38" x 31" / 1520 x 960 x 790 mm
Outside dimension (WxDxH) (includes transfer chamber 12" long)	55" x 35" x 38" / 1400 x 890 x 970 mm	76" x 47" x 42" / 1930 x 1190 x 1070 mm
Approximate volume	17.3 cubic ft. / 489L	40.9 cubic ft. / 1157L
Approximate shipping weight (crated)	450 lbs. / 205 kilos	685 lbs. / 311 kilos

"Go Anaerobic" Control Panel



Automatic "One Touch" Anaerobic Chamber

AC505A
110-120V 50/60Hz 5 amps

AC515A
220 50/60Hz 3 amps

Simply press the "Go Anaerobic" button to automatically create an anaerobic atmosphere

Features

- One-Touch, “Go Anaerobic” button to initiate purging sequence
- One-Touch, on-screen data-logging with USB port for long term studies
- Larger, easy to use operator touch screen display, 24 hr. data logging
- Automatic pressure hold function. Pressure control maintains user selected pressure levels
- Automatic purging cycles for main chamber and transfer chamber
- Larger, easy to use operator touch screen
- Continual display of atmospheric oxygen conditions in percentage (%) and parts-per-million (ppm)
- Oxygen display automatically switches to ppm when O_2 levels is <0.5%
- User selectable gas: Nitrogen or Anaerobic gas mixture
- High and low level alarms with alarm history log
- Password protected administration window
- Optional Rh monitoring and control

Specifications

Model	AC505A/515A
Oxygen sensor accuracy (%)	0-100.0% ±1.0%
Oxygen sensor accuracy (ppm)	0-10,000 ±1.0% FS
Temperature range	Ambient to 41°C Accuracy: (±0.5°)
Gas consumption for anaerobic achievement	300L
Pressure range	-3" WC to +3" WC (-1500 Pa to +1500 Pa)
Optional Rh control	Rh range: 5-90% Rh Control accuracy: ±1.0%
Inside dimension ((WxDxH)	41" x 28" x 26" / 1041 x 711 x 660 mm
Outside dimension (WxDxH)	55" x 35" x 38" / 1397 x 889 x 965 mm
Approximate shipping weight (crated)	450 lbs. / 205 kilos

The units are shipped as complete systems. Nothing needs to be added except your gas of choice and work samples.

⚠Attention
- Never use in flammable or explosive gas atmosphere
- Never use explosive or flammable material
Caution: High temperature components