

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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along with credit for buybacks and trade-ins.

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- In stock / Ready-to-ship
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Find the *NuAire 21.5 X 25.75* at our website: ***Click HERE***

STABLE - EFFECTIVE - EFFICIENT

Simple to Operate - Exceptionally Stable
Innovative Design - Functional Features
Highest Quality - Exceptional Value

- SIMPLE - STABLE - COMPLETE - EFFECTIVE - EFFICIENT
  NuAire's US AutoFlow Incubator is an excellent example of development of an exceptional design achieving the goals of a superior incubator that provides laboratory professionals with a simple to operate, low cost, yet fully functional incubator.
  - "Self-running" after initial set-up.
  - Exceptionally stable internal environment maintained by the programmable microcontroller with "fuzzy logic".
  - Optimum culture growth conditions through precise preset control of temperature, CO2 level and relative humidity (optional).
  - Simplified design for better overall performance.
  - Configuration Flexibility.
  - Exceptional value.

  The US AutoFlow from NuAire offers laboratory technicians an incubator which, after set-up, virtually runs itself to dependably control temperature and CO2 levels, with an optional relative humidity control, providing optimum conditions for culture growth within the chamber.

  US AutoFlow's simple set-up involves programming the incubator for chamber temperature, chamber CO2 percentage, humidity level (optional), door heating, and calibrating the CO2 sensor. And it's all done from the Control Panel that's as dependable and sophisticated as it is simple to operate.

- PROGRAMMABLE MICROCONTROLLER DEPENDIBILTY
  The US AutoFlow is run by a programmable microcontroller that samples input sensors, sets control outputs, makes corrections through the use of fuzzy logic, and displays status on the control panel. This provides for an exceptionally stable interior environment. After set-up, the incubator monitors and maintains chamber temperature, CO2 humidity levels, and heats the door. If any problems are encountered, an audible alarm is sounded and red lights flash on the control panel indicating what the problem is.

  "Fuzzy Logic" provides quick, accurate, adaptive control to all the incubators parameters: chamber temperature, CO2, humidity levels, and door temperature. Fuzzy logic tolerates environmental changes and component variation. IT

develops quick development cycles and makes decisions like a human. It continually adjusts and improves to provide a "living", exceptionally stable chamber environment. Fuzzy systems are easier to program, calibrate and maintain.

- USER FRIENDLY OPERATOR CONTROLS
  The control panel keypad gives the operator maximum flexibility and simplicity in programming, and complete display information of major system components in one convenient location that's easily visible and accessible to authorized personnel. The Control Panel is simple to operate, using only three keys. SEL (select) allows the programmer to select which display will be changed. Up and Down arrows increase and decrease selected values, respectively.
- RELATIVE HUMIDITY DISPLAY & CONTROL (Option)
  The US AutoFlow has available an optional relative humidity display and control system. The system controls from ambient to 95 percent relative humidity. The recovery time to 95% + 2% is typically less than 10 minutes. The accuracy is +3% from any given set point.

  The control system uses a solid state capacitance humidity sensor to monitor the relative humidity within the chamber. If humidity is required, the control system will activate an independent recirculation pump. The pump will then draw chamber air to itself and push it through a 0.3 micron capsule HEPA filter, through a humidified heated enclosure and returned to the chamber. The control will continue until the setpoint is achieved. The relative humidity display and control option offers an accurate and reliable method to control option offers an accurate and reliable method to control relative humidity when required.

- CLEAR and COMPLETE INFORMATION PRESENTATION
  - Chamber Temperature, setpoint and actual.
  - CO2 Level, setpoint and actual.
  - Humidity (optional), setpoint and actual.
  - Output and Alarm Status.
  - Water jacket, low water level warning.
  - Chamber Door Ajar.
  - Water jacket heater status.
  - CO2 infusion status.
  - Tank status (with optional second CO2 tank).
  - Optional humidity infusion and water reservoir level status.v
  - System Alarm condition status.
- AUTOMATIC ALARMS BACKUP
  Red lights on the control panel automatically illuminate to clearly display visual alarms in the unlikely event there should be any faults within the system. These system faults can include failure of temperature sensor(s), or any control failure, (e.g. if temperature should exceed the setpoint tolerance).
- HEPA FILTRATION SYSTEMS
  The US AutoFlow employs two separate capsule HEPA filters to minimize

potential contamination problems within the chamber. After a door opening, the internal recirculation system will return the chamber to better than Class 100 air quality conditions within 45 minutes.

STABLE - EFFECTIVE - EFFICIENT PERFORMANCE

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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