



Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

*InstraView*SM REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at www.instraview.com ↗

WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. www.artisanng.com/WeBuyEquipment ↗

LOOKING FOR MORE INFORMATION?

Visit us on the web at www.artisanng.com ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

Contact us: (888) 88-SOURCE | sales@artisanng.com | www.artisanng.com

IR AUTOFLOW

MOST ADVANCED TOOLS



The IR AutoFlow Incubators are the most advanced tools for the modern laboratory professional in the most demanding environment. The IR AutoFlow has been designed for laboratory work which requires the precision of a microcomputer based Control system that is programmable for precise control of chamber temperature and CO₂, the added stability and efficiency of infrared CO₂ sensing, the dependability of sophisticated memory and back-up systems, and the advantage of add-on expansion built into the system.

- **PRECISION and CONTROL**

The IR AutoFlow control Center is microcomputer based and controlled by a infrared sensor that allows for user programmable precision and control for uniformity and accuracy that just aren't available in other incubators.

NuAire's Solid State infrared CO₂ sensor is the first of its kind designed specifically for the Water-jacketed CO₂ incubator, and senses only CO₂. The gas measurement is temperature compensated and non-sensitive to humidity. Variations. This maximizes CO₂ consumption efficiency by injecting gas only when required by the infrared sensor, and is especially evident in these impressive control specifications.

- CO₂ recovery to within 5% within 2 minutes per chamber
- CO₂ Uniformity + 0.1%
- CO₂ Accuracy + 0.1%

Temperature control is also extraordinarily stable and accurate. The microcomputer polls two temperature sensors: one in the water jacket and one in the chamber, analyzes the data and makes appropriate adjustments by executing a time proportional control algorithm. Once again, control specifications are impressive:

- Temperature Uniformity + or - 0.2C at 37.0 C
- Temperature Range 5.0 C above ambient to 55.0 C
- Triple redundant Temperature Sensors

The IR AutoFlow Control Center also offers:

- The convenience and precision of complete internal electronic diagnostics,
- Auto-Zero calibration that requires no tools and no cover removal,
- Independent parameter control for single or dual chambers,
- Plug-in plug-out modules for ease of service and minimum down time, and
- Add-on expansion built into the system.

- **HEPA FILTRATION SYSTEMS**

The IR AutoFlow employs two separate HEPA filter capsules 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.

- **DEPENDABLE & SOPHISTICATED MEMORY and BACKUP SYSTEMS**

The IR AutoFlow has several safety backup systems within the Control System for Temperature, CO₂, and operational configurations. Bright green LED's on the Control Center and audible alarms indicate alarm systems activation, and remote alarm contacts add redundant alarm notification security to the system.

The temperature control system incorporates triple redundant temperature sensing. The CO₂ control system incorporates a CO₂ backup system that, in the event of any detected CO₂ fault, will correct the CO₂ fault condition and stabilize the chamber CO₂ percent to prevent loss of cell cultures.

Operational configurations include a "Watch-Dog timer" to monitor all power throughout the system. Power interruption results in the storage of all RAM (Random Access Memory) control parameters in EEPROM (Electrically Erasable Programmable Read Only Memory), and an orderly shutdown of the microcomputer. When power is restored, the microcomputer executes diagnostics, then resumes operation with the stored parameters. The green "Time of Day" LED will light, indicating a power interruption has occurred.

- **AUTOMATED PERFORMANCE for the MOST DEMANDING ENVIRONMENT**

Put the future of your fingertips with the IR AutoFlow incubators from NuAire. These are the only incubators in the world that offer the unique combination of:

- Automated programmability and Control,
- IR CO₂ Precision and Efficiency,
- Backup Systems Assurance.

MOST ADVANCED TOOLS

It's quite simply tomorrow's incubator today. It took NuAire to bring this higher level of dependability, and significantly more accurate performance to the world of in-vitro incubation.

Consider the IR AutoFlow
Put the finest incubators in the world to work for YOU!



| [GP AutoFlow](#) | [CF AutoFlow](#) | [IR AutoFlow](#) | [TS AutoFlow](#) | [US AutoFlow](#) |
| [AutoFlow Accessories](#) | [Product Specifications](#) |



Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

*InstraView*SM REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at www.instraview.com ↗

WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. www.artisanng.com/WeBuyEquipment ↗

LOOKING FOR MORE INFORMATION?

Visit us on the web at www.artisanng.com ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

Contact us: (888) 88-SOURCE | sales@artisanng.com | www.artisanng.com